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Communication Network

News for the people of FCC



Esther Koplowitz, awarded the Gold Medal for Scientific Merit by the City of Barcelona



Domingo, Pedro, Tomás, Paco, Patricio, José, Andrés ... examples for all of us



FCC Environment participates in the "Building Communities" pilot project

Riyadh metro

Historic opportunity



قطار الرياض
Riyadh Metro

For the sixth consecutive year, FCC included in the Dow Jones European Sustainability Index

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Riyadh metro,
historic opportunity



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Business



FCC lands largest international contract in the history of Spain's construction industry



Riyadh metro (Saudi Arabia)

> The overall budget for Riyadh subway is more than 16.3 billion euro





FCC, the Citizen Services Group, has achieved a new milestone in international construction. The company has been awarded one of the contracts to build the Riyadh metro (Saudi Arabia), which has an estimated budget of over 16.3 billion euro, i.e. 2.5 times the cost of the Medina-Mecca railway. This is the largest international contract in the history of construction in which a Spanish company has been awarded a contract. The consortium headed by FCC will build lines 4, 5 and 6 of the subway; the contract is worth 6.070 billion euro.

FCC's main consortium partners are Korean company Samsung and French company Alstom. The other members are Strukton (The Netherlands), Freyssinet Saudi Arabia, Typsa (Spain) and Setec (France). The project is to be executed in 5 years, and will employ 15,000 people.

The Arriyadh Development Authority (ADA) has awarded the FCC-led consortium one of three contracts to build the Riyadh metro, the longest subway system under development in the world (176 kilometres). The contract includes the design and construction of lines 4 (orange), 5 (yellow) and 6 (purple), which will have 25 stations. Construction will include 64.6 kilometres of rail track: 29.8 kilometres of viaducts, 26.6 kilometres of underground track, and 8.2 kilometres of overground track.

Juan Béjar, Vice-President and CEO of FCC: "This award accredits Spanish companies' international reputation in infrastructure, specifically that of FCC, whose references were decisive in successfully this contract". He added: "The Riyadh subway dovetails with FCC's new international strategy in construction, which is focused on infrastructure and on countries where we can best leverage our capabilities".

The Riyadh subway is one of the largest public works projects in the world at present. The process commenced in July 2012, when 37 consortia comprising world leaders in construction, rolling stock and railway systems presented expressions of interest. Only four of these candidates were pre-qualified: those headed by Siemens with Vinci, Bombardier with OHL, and Ansaldo with Strabag.

The consortium headed by FCC will use three tunnel boring machines (TBM) to build tunnels almost 10 metres in diameter





for the three lines. These lines will use two-car conductorless trainsets supplied by Alstom. There will be four types of stations: elevated, ground level, underground and intermodal to connect with different lines.

The largest subway project in the world

The six lines comprising the Riyadh metro project will span more than 176 kilometres, making it the largest subway under development in the world at present. Construc-

> “A consortium led by FCC, the Citizen Services Group, will build lines 4, 5 and 6 of the city’s subway system for 6.07 billion euro”



> The consortium includes Samsung (Korea), Alstom (France), Strukton (The Netherlands), Freyssinet Saudi Arabia and engineering companies Typsa (Spain) and Setec (France)







tion will require 600,000 tonnes of steel (80 times the amount used to build the Eiffel Tower) and 4.3 million cubic metres of concrete (11 times the amount used for Burj Khalifa, the world's tallest skyscraper), and will employ over 30,000 workers, of which more than half correspond to the consortium led by FCC.

This new metro will transform Riyadh, reducing traffic congestion, strengthening and driving the Saudi economy and improving living standards for citizens.

Riyadh currently has a population of 5.7 million, which is expected to increase to 8.3 million by 2030. The subway is a solution to daily traffic problems: of 7.4 million daily commutes, only 2% use public transport.

FCC in the Middle East

This contract strengthens FCC's presence in Saudi Arabia, where it has operated for more than two years via FCC Aqualia to optimise Riyadh's water supply network, which measures over 6,000 kilometres. This project has created 160 jobs and will improve the services provided to more than 3 million people.

This was the first water management contract granted to a Spanish company in the Middle East. FCC Aqualia landed another contract in this market some months later: operation and maintenance of the sewers and sewage treatment system in the emirate of Abu Dhabi.





> “The Riyadh subway will be the longest in the world under construction, measuring 176 kilometres”

FCC also has offices in Qatar and Kuwait. In Qatar, it is currently building two pedestrian walkways as well as phase II of the Barzan camp housing development in Al Wajba, 15 kilometres from the capital city. It has also built other landmark projects in the zone, such as the Dubai Cricket Stadium.

Extensive international experience in subway construction

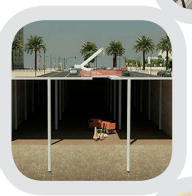
FCC already has extensive experience with building subway systems throughout the world The Group participated in the construction of the Lisbon Metro (Alameda-Expo section) and in the extension of line 2 of Athens Metro, which includes construction of two new stations (Periteri and Anthoupoli), and the Delhi Metro in India.

The company is currently building line 1 of the Panama metro, worth over 1 billion euro, the Toronto-York Spadina Subway Extension (TYSSE) in Canada, which includes construction of the North tunnels and the Highway 407 Station and is worth 304 million euro, section 1 of Bucharest Metro’s line 5 (Romania), for 267 million euro, the Malaga Metro, and Barcelona Metro line 8.

FCC also built extensions to Madrid Metro, including line 10, line 8 (Barajas-T4), and line 3 (from Legazpi to Villaverde), as well as sections I and III of Metrosur. In Barcelona, the company built several sections of Metro lines 2, 5 and 9.









> The project, which has an execution period of 5 years, will create more than 15,000 jobs

Link to pdf

President Martinelli attends FCC's inauguration ceremony of Panama City's central corridor for traffic



> "The Ministry of Public Works plans to invest 306 million euro in Vía Brasil I and II to improve traffic in Panama City
>
> The reorganisation of road networks in the capital will benefit more than one million people"

FCC has opened a section of the Vía Brasil corridor, Panama City's main avenue, for traffic. The inaugural ceremony was led by Ricardo Martinelli, President of Panama, and Esther Alcocer Koplowitz, Chairman of FCC; attendees included Jaime Ford, Panama's Minister of Public Works, Directors FCC Alicia y Carmen Alcocer Koplowitz and Fernando Moreno, head of FCC Construction, among others.

The section inauguratd will be completed with the Via Brasil II corridor. This first section, which cost 167 million euro, included the removal of traffic lights and the construction of an overpass, a tunnel and an aboveground roundabout.

After completing this section, FCC Construction is currently working on section II of the Vía Brasil corridor, which affects the

> “FCC Chairman Esther Alcocer Koplowitz highlighted the importance of Panama as the Group’s main international market for construction”

President Ricardo Martinelli of Panama and FCC Chairman Esther Koplowitz during the event.



intersections of three of the city’s main avenues (in addition to Vía Brasil, Calle 50 and Vía Israel) and is valued at 139 million euro. Both sections are part of Panama’s Ministry of Public Works road reorganisation plan.

The objective of the construction of the two Via Brasil Corridor sections is to improve the connection between the North and South corridors, where there is intense rush hour traffic, and to diminish congestion, reducing travel times and pollution. The new solution aims to reduce traffic jams, thereby saving time and reducing pollution. It also improves the access roads to the centre of the city, pedestrian traffic, road safety, and landscape integration

It is expected to benefit more than one million citizens who will benefit from theis Road Reorganization Plan. . Over 140,000 vehicles currently use Vía Brasil daily. More than 700 workers, 90% of them Panamanians, were involved in the construction of this first section of the Vía Brasil.

Panama, the leading international market

Esther Alcocer Koplowitz highlighted Panama’s importance for FCC, the Citizen Services Group, at her inaugural speech for Vía Brasil I. Panama has become FCC Construction’s main international market. The Group expects revenues of more than 700 million euro (around 850 million dollars) this year.

FCC is also currently involved in the construction of Panama Metro Line 1, the first underground in Central America; a Hospital Complex; a new building for the Electoral Board (one of the country’s most important legal bodies); as well as the extension of the Panama Canal.

Esther Alcocer also noted that Esther Koplowitz, FCC’s core shareholder, has always highlighted Panama as a key market for the Citizen Services Group, ending her speech before President Ricardo Martinelli, that “We are well aware that Panama is a meeting hub for all Latin American countries.”



.A.S.A. marks 25 years of growth



Björn Mittendorfer

.A.S.A. will be celebrating the 25th anniversary of its operations in Central and Eastern Europe in November 2013

"We started our activities in Austria in 1988" says Björn Mittendorfer, the CFO of the company. We used the growth opportunities and potential of the EEC market and have expanded over the years to the current 8 countries: Austria, Czech Republic, Slovakia, Hungary, Poland, Romania, Bulgaria and Serbia. Since 2006 the company has been a part of the Spanish FCC group.

".A.S.A.'s results have a steadily growing tendency", says Mittendorfer. 2012 yielded the best results ever. The net income which .A.S.A. achieved in the last year overcame the excellent results of 2011 by 3.5%. "Our financial stability is remarkable, as our ratio net debt to EBITDA amounts to 1.7 on a recourse base. This financial stability means that we can always pay our suppliers on time."

> "It will be our anniversary of growth and stability"

This reliability gives a competitive advantage to .A.S.A., which was noted earlier this year in a study of the waste management market in Austria.

"Reliability and financial stability are the characteristics and values about which we care systematically. We remain faithful to these characteristics", adds Mittendorfer.



.A.S.A. has "eSTYlo"

.A.S.A. participated in the 42nd annual Brno International Fashion Fair held from 18 to 20 August this year at the city's Exhibition Hall.

The company was involved in staging area called "ECO POINT: Give textile a second chance".

.A.S.A. provided information on textile recycling, a service that it began to offer last year in the Czech Republic where the .A.S.A. group has a lot of experience acquired in Austria and Slovakia. Together with the organizer of the fair, Trade Fairs Brno, .A.S.A. showed visitors that after some time, clothes, even the latest fashion, becomes ordinary waste and that we can collect them and put them to further use.
Visitors to the fair themselves were able to give textile products a second chance, since a container for collecting old textiles was installed at the facilities.

Link: http://www.bvv.cz/styl-kabo/aktuality-eco-point-dejte-textilu-druhou-sanci/

FCC Environment
increases recycling rate in East Midlands (United Kingdom)

The Alfreton materials recovery facility (MRF) in Derbyshire, recently inaugurated and worth an investment of 3.2 million pounds sterling, contributes to increasing the recycling rate in the region.

"The establishment of the Alfreton MRF closes the loop of our business waste infrastructure in East Midlands. We can now offer to our customers a service which incorporates business waste collection, recycling and the production of energy from residual waste", says Richard Jeffery, national sales manager of FCC Environment.

"This investment in recycling and waste management facilities underscores our commitment to helping companies increase their recycling, reduce the amount of waste sent to landfill sites, and also saves money", he added.

Located at the Somercotes Industrial Park, the modern recycling facility was built on the site of a former waste transfer station.



It can process up to 80,000 tonnes of commercial and industrial waste each year.

The plant plays a key role in maximising waste recycling and minimising the amount of waste that ends up in landfill sites. Of the materials sent to the plant, 47% is sorted into ferrous and nonferrous metals, paper, cardboard and plastics and then recycled. The remaining material, the fraction that cannot be recycles, can be used to produce refuse-derived fuel.

The fuel is burnt in the appropriate power plant, such as the one in Eastcroft (Nottingham) which is managed by FCC Environment, to generate electricity thereby reducing the amount of waste sent to landfill sites.

Recognition

Trowbridge Town Council has recognised FCC Environment's significant contribution to the local community. Trowbridge is the capital of Wiltshire County in England.

Trowbridge's mayor, David Halik presented a recognition certificate which was collected on behalf of FCC Environment by Mark Rower, the contracts manager for the West Wiltshire service at the Town Council's annual meeting.



FCC Logística renews the collaboration in Portugal with the Pharmaceutical company Sanofi

This company, a world leader in its sector, is one of the oldest customers of the logistics operator in Portugal, as the relationship began in 1999. This consolidated collaboration is based on transparency and mutual support, which has been reinforced by the extension of the contract for at least another 3 years.

Sanofi is currently one of the three main customers FCC Logística has in the pharmaceutical sector in Portugal, which makes the operator a leader in this sector.

Operationally, the logistics services undertaken for Sanofi are very varied due to the diversity of the products and brands (Sanofi, Genzyme, Zentiva) and the different models of distribution needed, from the traditional through wholesalers to direct delivery to the offices of the chemists and, more recently, to the patients themselves to their own homes.









CEMUSA installs an automated bicycle sharing system in Malaga

CEMUSA launches an automated bicycle-sharing system in Malaga to complement the city's public transport offering.

The Malaga Town Council is carrying out a project to improve the city's public transport, with the imminent implementation of an automated bicycle sharing system that will supplement the city's current offering.

This project forms part of the street furniture contract that CEMUSA arranged with Malaga Town Council in 2006 and will include a total of 400 bicycles and 600 anchor points in 20 stations that will be installed in 2013 and 2014.

The system's main objective is to supplement the city's urban mobility so that users can pick up a bicycle anywhere near a stop and ride to their destination, where they can drop off the bicycle at another station.

To enhance the users' safety, the pick-up and drop-off stations are located near the city's bicycle lane network so that users can use this mainly in their trips.

The service will be available every day of the year from 07:00h to 23:00h in pick-up or drop-off mode. From 23:00h, it will only be available in drop-off mode.

Users can join the system by registering in person at the points designated by the EMT, and the EMT bus pass will provide access to the system. Users with an EMT pass can also join the system by registering on the EMT's website. Registration will be free in the first year and only the 5 euros per year will be paid for third-party liability insurance.

The system's objective is to have maximum bicycle rotation so that a larger number of citizens can benefit from it. The first half hour is free and the rate approved by the EMT will be applied to the extra time.

Committed to the environment

As a company committed to the environment, CEMUSA is a pioneer in providing eco-efficient solutions to cities. In 2007, it launched the first automated bicycle sharing system with the aim of helping cities to reduce air and noise pollution in city centres and fostering sustainable mobility by integrating this clean transport into the overall public transport offering.

This is CEMUSA's fourth automated bicycle sharing system project, after having implemented this system in Pamplona, Rome and San Sebastian.

CEMUSA has been present in Malaga city since 1989, with the contract for the supply, installation, maintenance and operation of advertising for bus shelters and other advertising media. In parallel to this contract, in 2000 CEMUSA signed an agreement with AKIMA (Professional Association of Newsagents and Others of Malaga) and with each newsagent to carry out the advertising of the city's newspaper kiosks.

These contracts have changed the city's image, with contemporary designs that provide the image of a city that is committed to the environment and sustainable mobility.

The Asphaltgen project,
led by Servià Cantó, obtains the seal of the European Eureka Organization

The Asphaltgen project, led by Servià Cantó, obtained the seal of the European Eureka Organization. Asphaltgen is a bi-national R+D+i proposal submitted by Spanish (the road building company Servià Cantó S.A., Aplicaciones de la Catálisis S.L. and Rovira i Virgili University in Tarragona.) and Turkish companies (Tüpras and Istanbul University).

It focuses on investigating new pavements with self-generating properties so as to obtain mastic asphalts cabled of automatically repairing possible fissures or other problems produced in their interior as a result of traffic or the deterioration of the bituminous mixture. The possibility of repairing fissures in the asphaltic agglomerate will make it possible to reduce road maintenance and upkeep expense and will also enhance users' safety.

By being awarded the EUREKA seal Asphaltgen is now considered a European project and makes it possible to receive bilateral funding from the Spanish Centre for Technological and Industrial Development (CDTI, Spanish acronym) and by Turkey's Board of Scientific and Technological Research (TÜBITAK - Türkiye Bilimsel ve Teknolojik Araştirma Kurumu).

SYMDEX'13, is the most important national seminar on maintenance and the lifecycle of the defence and safety industry

FCC Industrial
proves that infrastructure maintenance generates savings



FCC Industrial took part in the SYMDEX'13 conferences, the most important national seminar on maintenance and the lifecycle of the defence and safety sector which was held in Madrid on 2 and 3 June. The company also demonstrated that it is essential to implement sustainable policies for infrastructures since this generates efficiency and cost savings.

Javier Pablo Ainchil Lavin, the technical director of FCC's Infrastrucrtures area, discussed sustainable construction of infrastructures and pointed out four key aspects that should be taken into account: durability, efficiency, possibility of renewal, and resilience, that is, resistance under exceptional circumstances such as in the event of fire.

Ainchil also spoke on how to make an installation sustainable, on the processes and included the use of advanced materials, design, and innovation, construction or industrial methods, and on environmentally-friendly measures.





Led by FCC Aqualia

Santiago de Compostela hosted the 13th World Congress on Anaerobic Digestion

Nearly 1,000 professionals from 50 different countries attended the event, considered the most important international seminar on biogas production.

> "The company's research team demonstrated its potential in the investigation of biofuels derived from waste water"

The 13th World Congress on Anaerobic Digestion, an event sponsored by the University of Santiago de Compostela, was inaugurated last 26 June in Santiago de Compostela. Nearly 1000 professionals attended the event which counted with the support of the International Water Association (IWA) and is the world's most important event of biogas production.

FCC Aqualia was not merely a sponsor of this congress; it also had many of the members of its scientific program investigation team participating in the event.

The opening session, "About Beauty and Consolation", was headed by Frank Rogalla, FCC Aqualia's director of Innovation and Technology. Several company researchers participated in the following three days of the seminar. There was one particularly interesting conference on the anammox process (anaerobic ammonia oxidation) in which FC Aqualia showed the results of two of its pilot projects at the Vigo and the Guillare (Pontevedra) waste water treatment plants which will make it possible to build large-scale units.

Following its R+D+i strategy, FCC Aqualia is developing, as a priority, processes that will make it possible to recycle and reuse water and energy. The company has several projects in the pipeline including those involving anaerobic digestion.

As part of its participation in this congress, FCC Aqualia set up a stand to provide additional information on its R+D+i projects that are being carried out by various company departments under the coordination of its Innovation and Technology Department. The participants at the congress were able to have a first-hand view of the practical application of this research thanks to the visits organized to the wastewater treatment plant at Guillarei and the Friscos canning company's facilities in Catoira.



Dow Jones Sustainability Europe Index (DJSI)

FCC continues in Dow Jones Sustainability Europe Index for sixth consecutive year

> "Its commitment to environmental policies and customer relations, key factors behind the Citizen Services Group's inclusion in the European edition of the U.S. firm's sustainability stock market indices"

FCC has been included in the prestigious Dow Jones Sustainability Europe Index (DJSI) for the sixth consecutive year. The company's inclusion in this leading index is especially notable given the difficulties faced this year as a result of the major economic crisis.

In particular, the U.S. stock market and business indices firm highlighted FCC's commitment to environmental reporting and policies, customer relationship management and its corporate citizenship and volunteer programmes, where the company's score advanced the most.

The Citizen Services Group obtained the highest possible score (100 points) in two areas, human-capital development and efficient resource management and conservation, and received very high marks in risk and crisis management (93 points) and environmental policies (92 points).

In connection with the company's policies on efficient resource management and conservation, Dow Jones experts underlined that FCC has played a vital leadership role in the main international working groups on sustainable construction. The index also called attention to FCC's initiatives related to reducing the environmental impact and using environmentally-friendly materials in the construction of its new headquarters in Las Tablas (Madrid).

Dow Jones Sustainability Indexes

Workplace health and safety

Workplace health and safety policies and FCC's position on ethics and integrity, as set out in its codes of conduct, and on anti-corruption and bribery also contributed notably to FCC's inclusion in the DJSI.

Lastly, the experts welcomed the environment and social action projects undertaken by Group subsidiaries in their respective geographical areas. Among the most salient initiatives they highlighted All-gas, a project led by Aqualia and Ekostone which seeks to obtain biodiesel from microalgae at a slag recovery plant built by FCC Ámbito. In terms of social action, the agreements signed by the water management subsidiary and FCC Construction with universities and business schools to offer courses and Masters programmes in those areas were worthy of mention.

The Dow Jones Sustainability Indices are based on an annual assessment of companies, which, together with the regional indices for North America, Europe, Asia-Pacific and Korea, are used to create financial products that focus on long-term value creation.



Esther Koplowitz,

awarded Gold Medal for Scientific Merit by the City of Barcelona

The Barcelona city council awarded Esther Koplowitz the Gold Medal for Scientific Merit, the city's highest distinction, in recognition of her extraordinary philanthropic work to promote science, and biomedical research in particular.

The resolution approved by the plenary assembly of Barcelona's City recognizes her efforts at the helm of the Esther Koplowitz Foundation, which is dedicated primarily to social work and to helping the most disadvantaged members of society.

The Foundation built and equipped the La Nostra Casa Retirement Home in Fort-Pienc for elderly people without resources, and the Esther Koplowitz Centre for Biomedical Research at Hospital Clínic, and donated them to the city of Barcelona.

The biomedical research centre, on track to become one of Europe's leading facilities in the field, employs more than 350 scientists, i.e. 60% of researchers at the hospital, who study autoimmune, neurodegenerative, digestive, nutritional, and infectious diseases, among others.

Esther Koplowitz's philanthropic work includes the construction and outfitting of two retirement homes, in Barcelona and in Collado Villalba (Madrid), and a third home for people with physical and mental disabilities in Valencia.

She also donated a da Vinci robotic surgical system to the San Carlos Clinical Hospital in Madrid, and provides financial support to other entities, associations, foundations and NGOs for their humanitarian and aid initiatives.

In addition to the Barcelona Medal, she has received numerous distinctions for her social and business achievements.





FCC completes asset writedowns in the first half of this year

FCC, the Citizen Services Group, recorded a loss of 607 million euro in the first half of the year mainly as a result of the writedowns at subsidiaries Alpine and FCC Energy. Having completed those adjustments, the asset writedown process that began last year is practically complete, and the company is now concentrating on the accelerated execution of its strategic plan.

The income statement for the six months of 2013 reflects two exceptional circumstances: the insolvency and subsequent liquidation of Alpine, FCC Construcción's subsidiary in Central and Eastern Europe, and the value adjustment at FCC Energy as a result of the regulatory changes implemented by the Spanish government. The combined adjustments represent a loss of 570 million euro: 372 million euro at Alpine and 147.9 million euros at FCC Energy.

Losses recognised in the income statement in the first half of 2013 do not change the forecasts contemplated in the budget or in

> The impact of the Alpine liquidation and depreciation of Energy area assets led to a loss of 607 million euro

> The Group maintains its objectives and is accelerating fulfilment of its strategic plan

the strategic plan, which focuses primarily on reducing debt and generating cash flow of 800 million euro and EBITDA of 1.2 billion euro within a two-year horizon.

Group revenues amounted to 3.133 billion euro in 1H13, i.e. 13.7% down year-on-year. Revenues reflect the effect of divestments in the period, including the handling business. In terms of geographic areas, the market in Spain contracted, contrasting with growth in Central America, the US, the Middle East and North Africa.

For the purpose of a like-for-like comparison, Alpine's contribution was eliminated from the figures for the first half of 2012. Its assets and liabilities were derecognised following the declaration of insolvency and the commencement of the process to liquidate the construction company and its holding company by the receiver in June.

EBITDA fell 34.7% to a total of 293 million euro. This figure slightly exceeds the company's expectations, which assume lower profit in the first half as a result of the seasonal nature of certain activities, such as construction and cement. Environmental Services and Water contributed more than 90% of EBITDA in the first half of the year.

A total of 210 million euro was recognized for depreciation and amortisation, 6.3% less than in the same period of 2012. Other operating income, which amounted to 46 million euro, was attributable to the Cement area and reflects capital gains of 104 million euro from the asset swap with CRH and the sale of a port terminal in the UK, and also provisions of 60.8 million euro for impairments and staff restructuring costs. As a result, EBIT amounted to 129.3 million euro.

Income before tax from continuing operations was -92 million euro due to net financial expenses of 210 million euro. The latter increased almost entirely due to the complete refinancing by Cementos Portland Valderrivas, while other financial income totalled -9.2 million euro, due to changes in the fair value of financial instruments.

The parent company's net attributable income amounted to -607 million euro, after applying the following to pre-tax income:

> Interest-bearing debt declined by 6.1% while the backlog expanded by 6.6%

PRINCIPALES MAGNITUDES

millones €	2013	2012	Var%
Importe neto de la cifra de negocios	3.133	3.633	-13,7%
Beneficio bruto de explotación (EBITDA)	293	449	-34,7%
Beneficio atribuido a la sociedad dominante	-607	53,4	N/A
Deuda financiera	6.654	7.087	-6,1%
Cartera	32.935	30.896	6,6%

The Group invested 361 million euros, 148 million of which relate to the contributions made to Alpine before it declared receivership. The remaining investments were earmarked for the Environment and Water activities.

corporate income tax (+50.6 million euro, due to a tax credit), net losses at FCC Energy (-147.9 million euro, due to the successive regulatory changes implemented by the Spanish government), other assets reclassified as discontinued operations (-50.1 million euro), and writing off Alpine (-372 million euro).

Group Capex was 361 million euro, of which 148 corresponds to injections at Alpine prior to its declaration of insolvency. The remainder was maintenance Capex for the Environment and Water businesses.

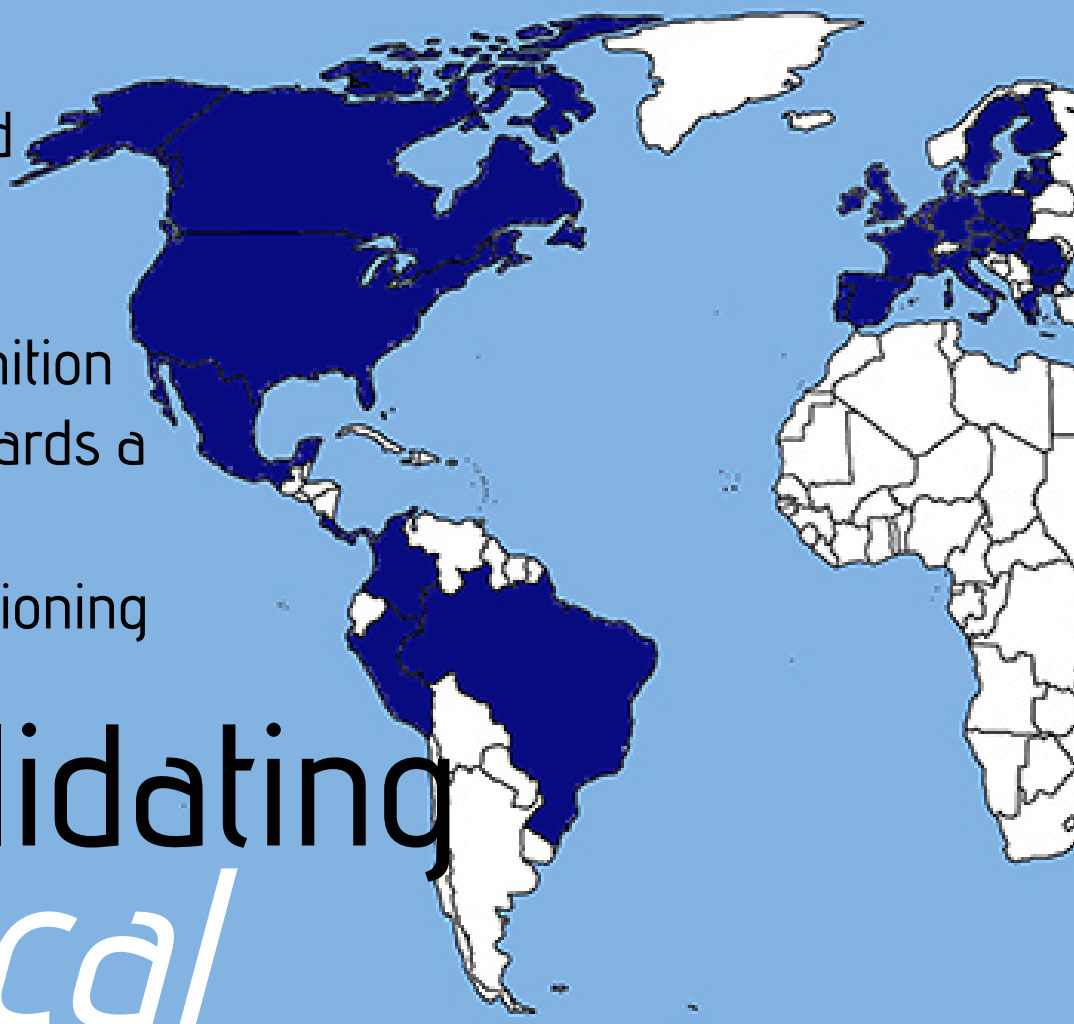
In line with the leverage target contemplated in the strategic plan, net interest-bearing debt declined by 433 million euro, i.e. 6.1% with respect to December 2012. The 6.654 billion euro in debt does not yet reflect the effects of the main divestments in the first half (50% of Proactiva, for 150 million euro; 49% of the Czech water business, for 97 million euro).

Those two operations, together with the disposal of FCC Construcción real estate assets and the reduction of the debt due to the deconsolidation of Alpine, represent nearly 1 billion euro in total divestments.

All these divestment processes are under way at present, and the programme is expected to be completed by year-end or in the first half of 2014 at the latest. Debt amounted to less than 5 billion euro as a result of divestments and cash flow.

In addition to the positive debt performance backlog expanded to 32.935 billion euro at the end of the first half, i.e. 6.6% more than in the same period in 2012. Order intake increased in the three business areas, especially in Environmental Services, guaranteeing more than 3.5 years' work.

The brand should evolve from lo*cal* recognition and prestige towards a *glo*bal positioning



Consolidating a *glocal* brand

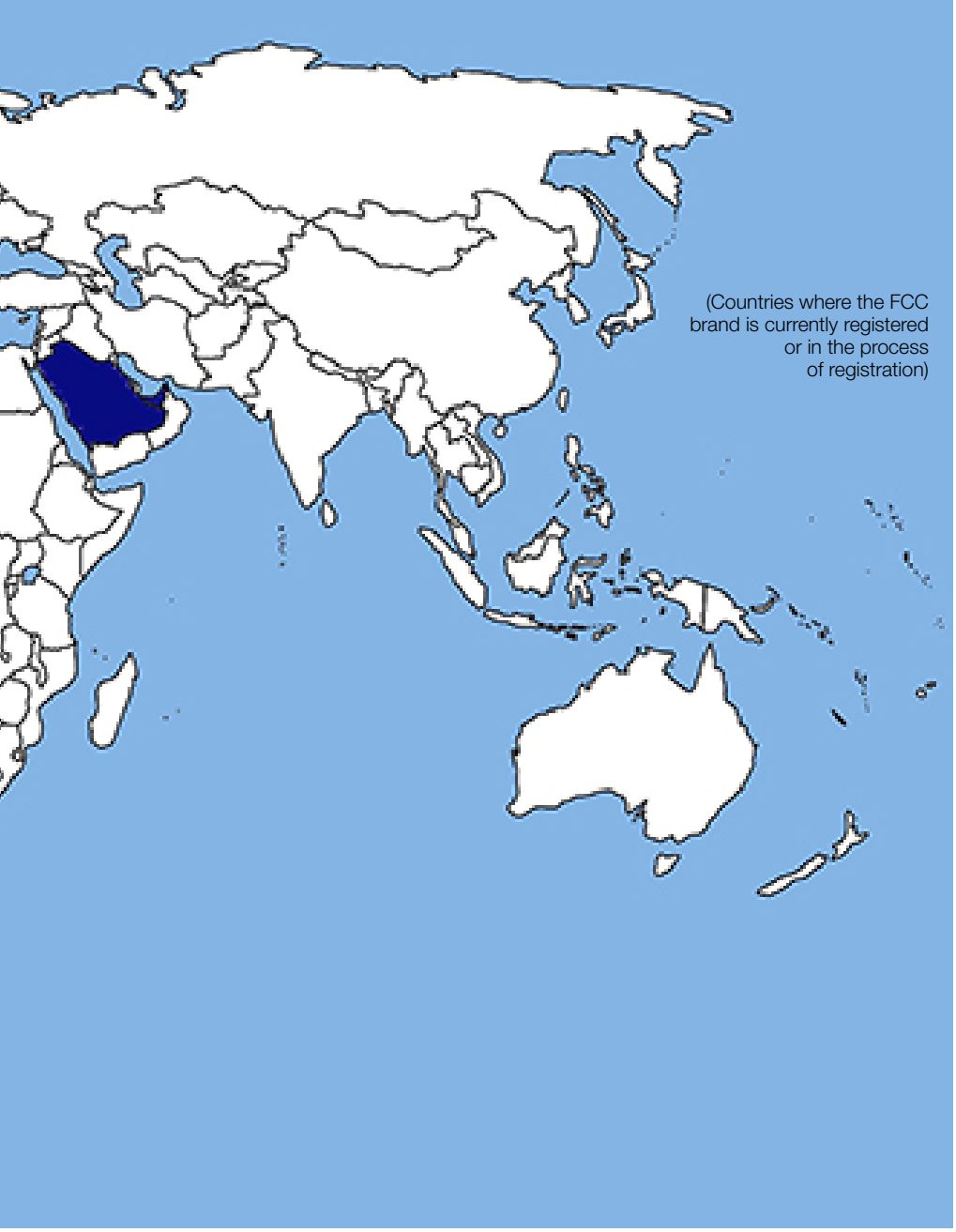
> "A well-structured brand architecture that reflects the singularities of the activities and is properly protected is essential for the survival and growth of any corporate group"

The FCC Strategic Plan contemplates clear guidelines for the coming years: concentrating in three business areas, slashing costs, boosting profitability and international expansion under a glocal brand.

In current markets where changes are rapid and constant and there is great competition, a strong brand is a key element for adapting to new market realities and for maintaining a presence in these markets by facing challenges proactively. We change in order to grow but in order to ensure that our brand is successful and perceived as such, the brand must be managed properly and professionally.

Therefore, more than ever, it is necessary to work in a coordinated fashion and to generate synergies when it comes to managing our greatest intangible asset: our Brand: a glocal, strong, and recognised brand that represents all of us and makes us part of its success and proud of belonging to the Group. A brand that maintains a coherent identity and that conveys the strength and unity of a great Citizen Services Group from the best possible positioning to enable the Group to maintain and increase its market share.

Thanks to globalisation, everybody is aware of any company's relationship in its market. This means that more than ever, a correct positioning strategy is necessary to avoid competitive weaknesses. Glocal brands, from their prestige and positioning, contribute significant advantages to their companies. They are resistant and contribute credibility in difficult times, set themselves apart from the competition and facilitate greater expansion capabilities.



(Countries where the FCC brand is currently registered or in the process of registration)

Consequently, most of our peers are already operating under a brand which aims to become a glocal one. They have become aware that internal-external recognition grows and this generates more business opportunities, supporting the various Group activities beyond its portfolio diversification and the numerous markets where they already operate.

A common task, seizing synergies

In a globalised world and in view of our international expansion process, it is essential to count on the involvement and discipline of all areas and divisions to protect our corporate brand and the distinctive signs inspired therefrom as well as any other distinctive sign or new corporate name related to any of the activities requiring external visibility and is used in the market for commercial and/or advertising purposes. In this respect, our Intranet contains the "Brand Registration and Management Policy", a document that was prepared jointly by the Corporate Marketing and the Brand and Mercantile Department of the Group's legal department. A unified brand policy for managing and protecting the necessary industrial property rights is necessary for protecting the corporate image and its reputation and safeguard the FCC Group's industrial property rights vis-à-vis third parties. It is also essential to avoid possible future ownership conflict against competitors or other companies.

In line with the contents of the aforementioned document, the brand is currently being registered in the company's target countries. In addition to the European Union, where our property rights date back many years, the brand is currently being registered in Brazil, Mexico, Costa Rica, Panama, Colombia, the U.S., Saudi Arabia, Qatar, and the United Arab Emirates.

The brand registration process is not free of problems and peculiarities. Good practices for success indicate that the best thing is to start to register the brand as soon as possible when a target country has been identified. Since this is often a slow process (the brand registration process, for example, in Brazil could take from 2 to 3 years without including any possible legal problem along the way) and full of uncertainties due to incompatibilities with other brands previously registered in the country. Therefore, the most logical approach is to start to register the brand even before staring operations in a territory. There have been cases where our Group has already faced these types of problems, such as with the Brazilian oil company Petrobras which has registered its "FCCPlus" product in several countries, particularly in Latin America, and the OSCO construction group that registered its "FCC Construction" brand in Canada.

FCCPlus
Petrobras Light Olefins Ultimate System

FCC Construction

Any company that wants to grow must certainly branch out internationally. A glocal brand will undoubtedly contribute to this process, facilitating the recognition of our activity and conveying to the market a way of doing and understanding things and this is an extraordinary source of value for FCC and a springboard for its growth.

(Link to the Brand Registration and Management Policy)

Book on the 3rd Edition of the International Eco-Efficiency Awards

The e-book on the winning projects in the 3rd Edition of the International Eco-Efficiency Awards is already available at our Intranet. It includes:

- Combined photovoltaic and thermo-solar power generation for our buildings, submitted by María Herrando Zapater from FCC Energía.
- Recycling demolition waste submitted by Alberto Pradillo Roberti and Miguel Hernández Hernández from FCC Construcción.

It also contains the runner-up projects which were awarded honour diplomas:

- Mentality Water App, submitted by Aqualia's Bernabé Hinojosa Lopera
- S.E.D.R.U.S Sharing Environmental Data to Reflect Urban Sustainability Platform submitted by Catherine Milhau, Patricia Ana Serrano Héctor, Isabel Mañeru Puig, Elena Mínguez Castro, Susana Cea Berrueco, and Gabriel Morales Barreras from FCC Medio Ambiente, and by Jaime Ramón Quintilla, from Information Systems and Technologies.
- Manufacturing of iron and steel aggregates from recycling of waste from steelworks, submitted by Enrique Cordero Fernández, Carlos Martín Ortiz and Roberto Rivero Eguía from FCC Ámbito.

Link to pdf

One of FCC's key objectives it for eco-efficiency to become one of its trademarks and for this reason and with the same objectives of the first edition of the awards, we will be launching the 4th Edition of the International Eco-Efficiency Awards in the very near future.

You play the leading role in your training

Training is not a social benefit at FCC; it is a tool to contribute to the Company's growth along with that of its employees.



What can you learn at FCC?

Through the Construction, Environment and Water Knowledge Schools, you will learn all the technical knowledge on your activity...







"FCC is committed to in-house training on all subjects where we specialise and where we develop our careers, with a level of quality and efficiency"

Learn everything that we share at these schools...



School of values



School of Processes



School of Skills



Language School



Computer Science School

Administración | Finanzas | Jurídico | Dirección de proyectos | Concesiones | Integra, Incorpora, Ariba, etc. | Seguridad de la información | Innovación | Recursos Humanos | Secretariado

"FCC has confidence on the top level suppliers of those subjects that are not part of our «core business»"

Lastly, we broaden the knowledge and competencies of those who hold management jobs and those who will do so in the future.

Training at FCC works!

More than 800,000 hours of training were given in 2012, half of which were at classrooms and the remaining part online.

Furthermore, in 2012 we continued to work of managing more efficiently the available training resources. Thus, training was given to 33% more participants with 10% less



hours of training and 28% less expenses.

Do you know how people learn?

It is widely accepted that people learn according to the 70/20/10 model:

- 70% of our learning is from our work experience l (learning by doing),
- 20% is acquired from other people (learning from others),
- and only 10% is from structured training courses (formal learning).



We will shortly be able to find knowledge management communities in Intranet.

We have prepared some information sheets for you so that you can be informed of everything that you can learn at FCC.



Link to pdf



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NOSOTROS GESTIONAMOS
EL CICLO DEL AGUA A
TRAVÉS DE AQUALIA.
TÚ HACES UN CONSUMO
RESPONSABLE.

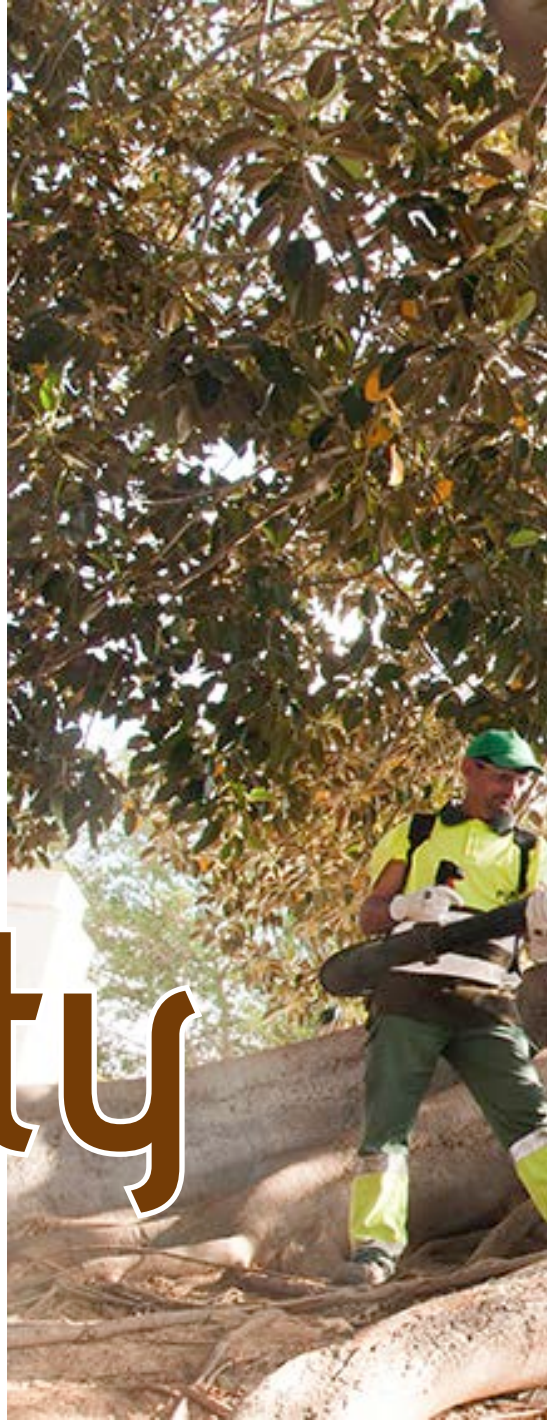
LO ESTAMOS
HACIENDO JUNTOS

FCC
Servicios Ciudadanos

Infraestructuras | Medioambiente
Gestión del agua | Energías renovables

People

Domingo, Pedro, Tomás, Paco, Patricio, José, Andrés... several examples of capability



Domingo, Pedro, Tomás, and Paco jointly with Alberto, the supervisor, work in Cartagena and, in another part of the city at Parque de la Rosa, work Patricio, José and Andrés. All of them express their satisfaction for the opportunity that FCC has offered them.

In 2002, the City Council of Cartagena awarded FCC the management and maintenance contract for the city's parks and gardens which cover an area of 700,000 m^2.

Just in the city of Cartagena, the company is in charge for the upkeep of 175,000 m^2 of lawns and about 8,000 trees in landmark districts, such as the landscaped cultural Parque Torres and Parque de las Cornisas (50,000 m^2); the rustic La Vaguada and La Loma gardens (30,000 m^2); and the historical Finca Torre Llagostera or Huerto de Las Bolas (55,000 m^2).

Agreement with ASTUS

In line with the Company's corporate social responsibility policy on the integration of socially excluded groups, in 2005, the Murcia-



Almería branch of FCC Medio Ambiente entered into an agreement with ASTUS (Asociación Tutelar de la Persona con Discapacidad of Cartagena) to launch the "Employment with Support" project to promote the inclusion of people with disabilities in the company's workforce and ensure that they had the necessary support during their training, recruitment, assessment, monitoring, and mediation phases.

In the first phase of this project, the company and the association look for and decide the appropriate profile for any existing vacancy, firstly for a practice period and then to occupy the vacancies. In the final selection, gardening experience was required as well as the incorporation of someone who had worked with the disabled youth as a monitor.

The objective of the project was not for these individuals to work accompanied by someone who did not have a disability, but rather to create a group of workers who had some sort of disability and which could be taught, thanks to training courses, a trade, as explained by Pedro Cifuentes, the head of the Parks and Gardens Department in Cartagena.

The first recruits were assigned to the landmark Parque Torres and Parque de las Cornisas, a point of landscape, culture, environment, and social reference and one of the key structural elements of the city of Cartagena. The following recruits were for jobs in other parts of the city thanks to the positive experience at Parque Torres.

Both Parque Torres and Parque de las Cornisas are currently being maintained by intellectually disabled personnel. This is where Doming, Pedro, Tomás, and Paco are working, all of whom have gardening training and experience and are example, jointly with their monitor, Alberto, of capability based a respect and empathy.

> The Parks and Gardens Department of Cartagena's City Council has a workforce of 79 employees of whom six have mental disabilities and another six physical disabilities.





At another spot in the city, in Parque de la Rosa, we find Patricio, Jose, and Andrés, on top of a scaffold pruning the bougainvillaea. They are part of the mobile crew assigned to different locations and their physical disability does not prevent them from doing a good job since, as Pedro Cifuentes told us, once the work tools have been adapted, their performance is the same as anybody else's.

All of them expressed their satisfaction for the opportunity that FCC provided by offering them a job which has contributed to facilitating their integration in the job market. Pedro commented that real integration had been achieved and that the most important thing was that this should become a normal and everyday affair and a triumph for all.

Remarks

"I would not change my job for anything in the world".

"I'm very happy about the opportunity that the company gave me".

"My friends are asking me where they have to send their CVs; they want to have a job like mine".

"I want to keep on learning".









Diverse capabilities

FCC remains committed to the integration of people with physical and intellectual disabilities in the job market, bearing much in mind the concept of disability but discovering another concept: diversity of capabilities. Attitudes and capabilities such as constancy, dedication, a noble spirit, perfectionism at work, undoubtedly make up for any other type of disability and enable the job and personal integration in a company such as ours and, in short, in the current society.



The boss and his project



Antonio Piqueras,
Manager of Superporto do Açú" in Rio de Janeiro (Brazil)



The "Superporto do Açú" is currently being built in Sao Joa da Barra in the State of Rio de Janeiro and, at the help of this major project is Antonio Piqueras, the project manager.

Antonio has been working at FCC since 1995, that is, eighteen years and practically all of his job experience has been acquired at FCC: "100% of my professional career has been in maritime projects. I have been lucky to have participated in projects that area almost always innovative", he remarked.

"I started as the head of the Technical Office at the construction project of the Saladillo inner harbour in Algeciras", he told us, "where we used single layer "accropode" type blocks for building the main seawall, when in Spain, there had only been two prior similar projects."

"Later, I continued to work as the manager of the "Third and Fourth Quay" in the port of Almeria. At that time, our floating dock "Mar del Teide" had not manufactured many caissons and we were awarded a project for building 6 of these for the Port of Almeria."

"After Almería, we secured another major project in Palma de Mallorca where I participated as the project manager: the construction of the "Terminal Mixta Ro.Ro/Lo.Lo". In this project, FCC used the Bocami dredger for the first time. It was an interesting project because of the problems in managing materials from the quarry, the process for dynamic compacting of soil that we used, and the experience acquired in managing scarce resources because of the fact that we were working in an island".

After the project in the Balearic Islands, I returned to the Peninsula, to the port of Castellón, where I continued to work as a project manager and then was promoted to Group manager, and then, head of the Department. At the Castellón harbour, FCC was an example of a harbour building construction company since during a 10-year period; we enlarged the harbour and made into one that is very competitive in relation to other ports."

A major challenge

Also, Castellón harbour marked the first experience in Spain in the construction of seawalls with low-reflection caissons, and the results were excellent since we have been able to confirm empirically the predictions previously made in the laboratory tests. This last project did present an important challenge since the construction procedures were developed for the first time for this specific project since Spain did not have any seawalls of such characteristics before. The patent is held by FC and the results were as expected."

Lastly, at the end of 2012, we were awarded the construction of what is to become one of the largest harbours in the world; terminal





TX1 at the Superporto do Açú, the project which is currently occupying all of my time".

This is the first time ever that floating caissons will travel such a long distance.

What does working in such a huge project mean for you?

"It fills me with pride and, at the same time, I feel a great responsibility. We are lucky to have the will and the professionalism of the colleagues who coordinated all the work in Spain. The customer was very pleased with the speed at which the caissons were built."

What are the first steps for transferring these caissons to Açú?

"Tug vessels are used to transfer the floating caissons from the Rio de Janeiro harbour to Açú. Other possibilities were considered at first but the harbour in Rio de Janeiro was finally chosen because of its depth of the Guanabara Bay which allows manoeuvring of the caissons and because the custom authorities have to receive the merchandise at that location. That is, there is a customs authority in Rio and, besides, it is the nearest harbour to Açú that met with these conditions. "

Can you describe how the transfer was made?

"The transfer was made in two separate stages. Firstly, five of the caissons were transferred in the semi-submergible vessel "Black Marlin" and later, another semi-submergible vessel transferred the other four caissons. These caissons will be used to protect the installation of the Mar de Aneto and Mar de Enol floating docks for manufacturing the remaining caissons required for the Açú project. It is important to point out that this involves not only the technical difficulties of loading the caissons in the semi-submergible vessel, but also the legal problems for this type of operation in Brazil. Brazil is an impressive country, however, it is extremely bureaucratic and protectionist. We obviously had to import into Brazil a good that was manufactured in Spain. Brazilian laws are very protective of its economy and it is very complicated to import goods. Just to have an idea of these complications, we had to import our Acanto barge and classified it as a dredger since Brazilian authorities permit the import of dredgers but not of barges."

How many days did it take before they arrived?

"It took seventeen days to cross the Atlantic from the Algeciras Harbour to Buanabara Bay in Rio de Janeiro. "

Are the weather conditions in Açú favourable for the floating caisson solutions? Is depth also important for these manoeuvres?

"The sea conditions in Açú Harbour are very complicated during the winter months (summer in Spain) for these types of operations. This, however, was already taken into account in the preliminary project studies. Statistically, we were aware of our possibilities for monthly anchorage. For example, our "window of possibilities" this month for successfully anchoring is for thirty, versus fifteen during January of next year. "

Effectively, the solution of the floating caissons as a building procedure cannot be performed in all places and geotechnical conditions determine the possibility of using this procedure. In the case of Açú, we had to dredge, with the work having been completed this week, 4.1 million m^3 of material from the foundation ditch of the caissons over which we dump the rockfill which will form the foundations of the caissons."



"This means that it could happen that the volume of material to be "replaced" was so large that it was not financially advantageous and, therefore, the use of the caisson as a construction solution was not financially or technically advantageous. Nevertheless, in Açú, because of the great depth required for oil tankers that will be using the interior berths, the use of the sloping wall dykes would have meant that the project would not be viable because of the huge amount of quarry material that would have had to be transferred in such a short period of time. Moreover, as it could not be any other way, environmental concerns mean that we must use construction solutions that are less aggressive with the environment and the impact of the caissons is much less than the equivalent sloping wall since the amount of materials used for manufacturing the caissons is significantly less".





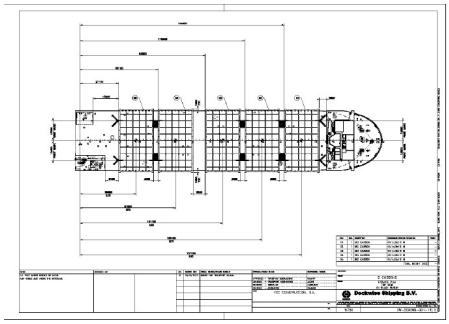
The first caisson is anchored at "Superporto do Açú" in Rio de Janeiro

After a 4,200 nautical mile journey across the Atlantic Ocean, the first caisson was anchored last 31 July at the Açú Port. This is the first of a series of 47 floating caissons that will comprise the future TX1 terminal known as "Superporto do Açú", in Río de Janeiro (Brazil).

This activity represents a major technical achievement. Until now, no floating caissons had been shipped across such a long distance. This milestone is worth mentioning due to its symbolical importance as the first "stone" of the future mega-harbour.

The caissons were shipped in two different phases in a semi-submergible vessel. Five caissons measuring 45 metres in length, 24 meters wide, and 18 metres high were transferred in the first journey and, subsequently, another four all measuring the same except one that is 37 metres long, were transferred in the second shipment. These caissons will be used to build the seawall to protect the floating docks Mar del Aneto and Mar del Enol at their first station for manufacturing caissons at Açú Harbour.

The caissons were downloaded at Rio de Janeiro, at Guanabara Bay, from which they were towed to their provisional destination at Açú Harbour.









Cómo crear y hacer el seguimiento de tareas asignadas

Queremos enseñarte a fondo esta funcionalidad de Outlook porque creemos que puede agilizar mucho la capacidad de colaboración entre usuarios. Después de crear una tarea y asignársela a alguien, quizás haya algunas tareas de administración para realizar su mantenimiento hasta que se complete. Por ejemplo, quizás desees informes de estado y actualizaciones sobre el progreso de la tarea. Además, si la persona a la que asignes la tarea la rechaza, quizás desees reasignarla a otra persona.

→ accede al curso

¿Qué son los Tips Tecnológicos?

Los "tips tecnológicos" (ayudas tecnológicas) son simulaciones grabadas paso a paso, que visionarás desde tu PC, y te mostrarán de una forma sencilla y clara, la manera de obtener el máximo rendimiento a las aplicaciones informáticas que tenemos disponibles. También podrás consultar un manual de usuario en formato pdf.

Periódicamente os informaremos de las nuevas publicaciones de "tips tecnológicos" en la Intranet de FCC.

Ventajas de los Tips Tecnológicos

- Ahorrarás tiempo y esfuerzo innecesario: las tareas más comunes que resultan largas y pesadas pueden convertirse en sencillas y provechosas para nuestro trabajo diario.
- Conocerás funcionalidades de aplicaciones que ya tenías y no habías utilizado.
- Ampliarás conocimientos y te ayudarán a asumir el avance de las tecnologías de la información.

División de Sistemas y Tecnologías de la Información

FCC
Servicios Ciudadanos

Intertview

Pablo López Marzo,

Technical and Production Manager of the Transmotana Motorway





For Pablo López Marzo, the Transmontana Motorway

“is an interesting project at a particularly interesting time”

What would you highlight about this project?

We carried out the main execution work on this motorway in two years; a short period if we consider that we had to work with the motorway open for traffic. Also, we had to build 17 special viaducts, including the unique Corgo viaduct which has a central cable-stayed section that is 300 metres long, consisting of 88 struts built by BBR providing an innovative system that improves the durability of these struts.

How were you able to execute the project so quickly?

Teamwork was very important. Three companies worked on the project: FCC, RRC and Soarse da Costa, and we were able to remain united and complete this project, working up to 2,500 people at peak production. This has meant that we had to overcome difficult moments which were resolved thanks to the good rapport among all the parties involved in the project.

What value does this project have for citizens?

There are many positive aspects since it connects all of northern Portugal with the Tras-os-Montes region, enhances road safety and reduces travel time. The new motorway is expected to reduce the accident rate by half and driving distance between the most important cities in the region and Oporto by 40%.

What has this experience meant for you?

For me, it is a very special project because of its size and, basically, because of the management efforts required to execute it.

How was the collaboration with the local surroundings?

Very good. The road crosses the districts of Vila Real, Mirandela, Murça and Bragança with which we had a very close relationship during the work execution phase. The Chamber of Commerce of Murça erected a monument to all the people who made the Transmontana motorway possible because of all that it means for this interior region, now connected to Europe.











What is your impression on this international experience?

I think that an international project has many advantages. You never know what you win or lose by not being in your own country but I think that in the long run, it's a win situation. I take this opportunity to encourage others to travel and to learn about other cultures.

Transmontana Motorway

FC completed work on the Transmontana between Vila Real and Bragança which forms part of the TransEuropean Transport Network and will enable the connection with the A-4 carriageway from Oporto (Matosinho) with the Spanish border.

The new 194 kilometre dual carriageway consists of 32 kilometres of new construction, 106 kilometres of widening, and 56 km of conditioning and upgrading of the current IP4. Besides the motorway, 17 special viaducts were built with the most outstanding one being the Corgo viaduct that stretches over 2,780 kilometres with a height of 230 metres, making it the second highest in Europe.

Intertview

Joaquín Jiménez,
manager of the Ribeiradio and Ermida dam project



What does this project involve?

The project involves the construction of two dams and their respective hydraulic systems in order to generate energy. The main upstream dam is the Ribeiradio and the downstream on, 8 kilometres downstream, is the Ermida dam. These are straight gravity dams of vibrated concrete with a maximum height of 83 and 40 metres, respectively, and a total volume of hydraulic concrete of 450,000 m^3.

Ribeiradio and Ermida dams, a water-to-energy project in Portugal

The Ribeiradio and Ermida dam projects include the access road to the Ribeiradio dam and the refurbishment of the EM 569 road at the Vouga River near Aveiro and 50 kilometres north of Coimbra.



What does this experience mean for you?

This experience is an important professional challenge since a dam involves all engineering aspects.

What is FCC's contribution?

Expertise, good professionals, safety, quality, and care of the environment.

How many people work at the project?

About 450 people, 80% of them being Portuguese employees.

What does this international experience mean for you?

It was easy. For me, working in Portugal is working with family; it's like working at home.











Since 1990

FCC Construcción has been operating in Portugal since 1990, the year in which it acquired the Portuguese construction company now known as Ramalho Rosa Cobetar (RRC).

RRC is a reference company in Portugal, with a team of nearly 300 people, which has won the respect of its customers, suppliers and competition thanks to its performance in major construction projects in various areas of activity.

References in Portugal

Motorways and roads. Sections and viaducts in the A1, A9 motorways (and Montemor Tunnel); A7, A3, A6, A2, A23 (and the Ramela and Gardunha tunnels); the Alverca (A1) and Carregado loops (A10) and the Gala Bridge in Figueira da Foz.

Maritime projects: The transmarine pipeline of Matosinhos and Doca de Olivais for Expo 98.

Hydraulic projects: The Óbidos dam, the Aveiro and Matosinhos waste water treatment plants (includes operations); the dyke and pipeline at Coruche.

Railway projects: The EN10 section in Bobadela, Lousado-Nine and Castelo Branco.

Stations: The Lisbon underground stations Lumiar and Alfornelos; the EXPO 98 underground and the Bela Vista, Chelas, Cabio Ruivo and Oriente stations, among others.

Buildings: Instituto Portugués de Calidad, in Coimbra; The Geosciences Building at Aveiro University; ISCTE of Lisbon University, and the El Corte Inglés department store in Gaia.

Refurbishment and maintenance of monuments: San Bento Station in Oporto; the Abade Baçal Museum in Bragança; the Arraiolos Pousada, and the Vila Formosa Roman bridge.

Road upkeep and maintenance: Lisbon and Vila Real.

Environment: the Mirandela waste treatment plant and landfill site and the integrated hazardous industrial waste plant in Chamusca.

Industrial: Reconversion of the Sines refinery.





Football at FCC Environment

FCC Environment's North vs. South football friendly finished a goal-fest.

There are a number of keen footballers within the Company and recently, FCC Environment's players decided to take on players from the South in a friendly match.

The first game took place in Rotherham and finished with a score of 3-3. Nevertheless, the second game was played in Northampton were the South team were victorious with a 5-3 win, an aggregate score of 8-6 in favour of the South team.

Rotherham

FCC Environment Waste Management Rotherham offers the most agile waste management solutions in the United Kingdom. The Company collects household waste, hazardous waste, and waste from the hospital industry. FCC Environment Waste Management Rotherham currently provides metal, plastic, glass, paper, and cardboard recycling services and processes these into new raw materials.

Northampton

FCC Environment is a wholly-owned FCC waste management company with central offices and headquarters in Northampton in the East Midlands (eastern England).

With a population of 25,200 inhabitants, Northampton is one of the most populated regions in England that is not governed by a single mayor. It is also one of the most populated urban districts that are not part of London, either as a metropolitan district or within the city and, therefore, its inhabitants claim that Northampton is the biggest town in England.


infraestructuras
medioambiente
agua
En 100 años
prestando servicios
a los ciudadanos
hemos visto cambiar
muchas cosas,
la primera de ellas
al propio ciudadano.
En FCC diseñamos y construimos infraestructuras, recogemos, reciclamos y valorizamos residuos urbanos e industriales, limpiamos calles, cuidamos parques y jardines, mantenemos el mobiliario urbano y gestionamos el agua en 5.000 municipios de todo el mundo desde hace más de 100 años. Al principio éramos unos pocos preocupados porque millones de personas disfrutasen de un lugar mejor donde vivir. Hoy son esos millones de personas los primeros que se preocupan por crear un lugar mejor donde vivir.
Lo estamos haciendo juntos.
www.fcc.es
FCC
Servicios Ciudadanos

Social Responsibility

FCC offsets emissions from its Annual General Meeting 2013 in a UN Project in China

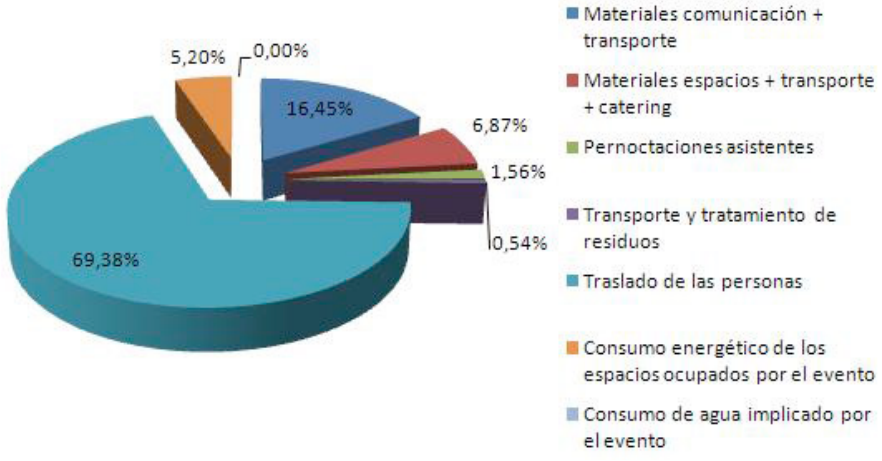


FCC, as a sign of its commitment to the environment, decided to calculate the carbon footprint associated with its 2013 Annual General Meeting and to offset the emissions generated by the event. The AGM, therefore, became a neutral CO_2 equivalent event.

The Standard Corporate Accounting and Reporting Standard for the emissions of green house gas emissions, the GHG Protocol, were used to calculate its carbon footprint. The main greenhouse gas emissions at the AGM were those associated with the transfer of people to the venue, which amounted to nearly 70% of total emissions.

Nevertheless, other sources of emissions were also taken into account, such as those related to the preparation and transport of communications materials, those associated with the catering, as well as the emissions from the generation of electricity consumed during the event.

Distribución por categorías de la huella de carbono de la Junta de Accionistas 2013



The calculation methodology used made it possible to determine that the carbon footprint of FCC's AGM in 2013 amounted to 12 tonnes equivalent of CO_2. FCC has took an additional step and offset these emissions by purchasing Certified Emission Reduction (CERs) accredited by the United Nations Framework Covenant on Climate Change, and stemming from a project developed under the Kyoto Protocol Clean Development Mechanism (CDM).

Wind power generation project in Gansu (China)

The project selected for offsetting the emissions was the wind power farm in the China's Gansu province.

Thanks to this project, besides reducing CO_2 emissions by more than 400,000 tonnes through the use of renewable energies, more than 300 local jobs were created associated with the wind farm and a significant improvement in air quality by reducing contaminating SO_2 and NOx emissions from burning fossil fuels.

The wind farm contributes to the sustainable development of a region with a great shortage of electricity which significantly hampers its economic growth.



Building Communities

FCC Environment is immersed in a pilot project known as "Building"; a joint initiative with WREN to help local populations chose projects in disadvantaged communities that require funding.

Townships in the UK benefit from 200 million euros thanks to funding tax proceeds from FCC's landfill sites.

The British landfill site tax, implemented in 1996, has proven to be a very efficient mechanism for transferring waste from landfill sites to more sustainable options, such as recycling and recovery.

When the tax was first introduced, the Government allowed landfill site managers, such as FCC Environment, to recover a small percentage to be earmarked for projects that fulfilled certain conditions in the communities within ten miles from the landfill site.

Known as the Landfill Communities Fund (LCF), since 1996, the program has already invested more than 1 billion euros and completed more than 32,000 projects, focusing on improving community infrastructures, conservation, and biodiversity. The program is supervised by an independent governmental regulator, ENTRUST and the projects must comply with a series of strict rules.

Because of the strong funding crush since the start of the economic recession in 2009, several British conservation and regeneration community organizations have started to resort to LCF as a major source of funds which are crucial for completing their projects aimed at improving the quality of life.

FCC Environment was one of the first landfill site managers that started to participate in LCF; setting up, to this purpose, the Waste Recycling Environmental Limited (WREN), non-profit, distributive, environmental and independent organization for managing the sums recovered from landfill site taxes. WREN is now the largest environmental organization of this program and since 1998

FCC
BUILDING COMMUNITIES
resourcing your projects



Froncyssyllte Community Centre.
WREN financed the refurbishment of the centre.
Froncysyllte township in Wales.
Froncysyllte is a small rural centre without stores or post offices; the community centre is crucial for the village's social activities.



WREN funded the BMX cycling venue at the March Tracks centre in Rhyl, in northern Wales. The facilities provide the opportunity for a variety of recreational and riding and other types of sports, totally inclusive with access for everyone.

has contributed nearly 200 million euros for than 6,700 projects in England, Scotland and Wales.

Mike Snell, the head of FCC Environment external affairs managers and a director of WREN over the past 13 years said that "WREN is focusing exclusively on providing significant benefits to the communities through tax deductions from landfill sites owned by FCC Environment. The projects can contribute significant improvements in the quality of life of people".

"We are proud of the work that is being carried out by WREN. It is important to point out that WREN has accumulated enormous experience in the efficient management and delivery of funds for projects thereby ensuring that communities receive the greatest possible value from LCF", he stated.

WREN has three specific funding streams: the community, improving important infrastructures in towns and villages; biodiversity by conservation of natural surroundings in woodlands, and historic heritage, preserving old and historic buildings.

WREN funded the St. Barnabas Garden in Macclesfield, England. The project involved working with marginalised youth to create a community garden with benches, fruit trees, a vegetable patch, a natural garden and a recreational area.



Radical change

This year, however, WREN radically changed its method for project funding allocation.

According to Mike, "WREN has had significant success in attracting applications for project finance and the richest communities are very capable of identifying their needs and of participating in the process of finding the required funding".

"Nevertheless, WREN's recent research has shown that the most deprived communities do not necessarily have the expertise or the necessary resources to take advantage of this funding from landfill tax proceeds, despite being precisely those that have the greatest need for better installations, for examples, safe and pleasant community centres.

Program at England's Lincolnshire county

WREN now aims to tackle a new unique, 900,000 euro program being piloted at Lincolnshire, an English county.

Called the FCC Building Communities Programme, the new project is being rolled out in the town of Gainsborough where research has suggested that communities most in need of funding do not always apply for it. If it proves successful, the programme could be extended to seven other areas around the UK with a funding pot of 7 million euros million.

The FCC Building Communities Programme is now working in Gainsborough to find great ideas to improve the town's community life. Initial work by Community Lincs has included surveys at the Gainsborough Riverside Festival in June where more than 100 people came forward to say what they would like to see developed in the town.

Simon Settle, Grant Team Manager for WREN, said "This is a new way of working for WREN. Usually, communities approach us with fully developed ideas, but in Gainsborough we want to work with the local people, who may only have an idea in mind when they first come and talk to us, and help them to develop these ideas and turn them into amazing projects. We have never set aside such a large sum of money for one community to tap into – it's a really exciting opportunity".

Mike Snell added: "this new and exciting program represents a different approach so that environmental organizations such as WREN can satisfy the needs of those who live in impoverished areas. It also fits in very well with FCC Group's commitment to offer socially important services such as infrastructure and waste water management which truly improve the lives of people".

Cash for the NGO St John's Ambulance thanks to recycled cooking oil

An innovative new charity drive which encourages residents to recycle their used cooking oil into cash for charity whilst at the same time increasing the area's green credentials was launched last July.



In a tri-party scheme between Suffolk County Council, waste contractor FCC Environment and eco-firm Living Fuels, residents are being encouraged to recycle their used cooking oil at any one of the county's 11 household waste recycling centres (HWRCs) in a bid to divert waste from drains. A donation for each litre collected between July and September will go to not-for-profit organization St John Ambulance.

Water companies in the UK currently spend 15 million pounds a year clearing used cooking oil from their drains and 75% of the 200,000 drain clearance call outs each year can be attributed to waste cooking oil clogging up drains and pipes.

Simon Hale, FCC Environment Regional Operations Manager, said: "This is a really important initiative that supports Suffolk's Greenest County aspiration and will bring significant sustainability benefits, firstly through the avoidance of potential environmental damage and secondly by the generation of valuable renewable energy. We're also confident that the people of Suffolk are up for the challenge of helping such a great charity."

Once collected, the used cooking oil is taken to Living Fuels' state-of-the-art recovery facility in Thetford and recovered naturally into an environmentally friendly bioliquid, LF100. This bioliquid is then used in the company's renewable energy facilities to generate carbon neutral electricity for the National Grid, helping to lower the UK's reliance on fossil fuel derived energy generation.

Just one litre of used cooking oil can provide enough renewable electricity to make 240 cups of tea, and one full recycling tank can power the average home for an entire year.

As the nation's leading first aid charity, St John Ambulance believes that nobody should die because they needed first aid and didn't get it. Yet every year, up to 140,000 people die in situations where first aid could have given them a chance to live.

Suffolk

Suffolk's HWRCs are managed by FCC Environment on behalf of Suffolk County Council and they collectively reused or recycled over 81% of all waste during 2012, and have over one million visitors per year across the 11 sites.



FCC Environment continues its charity work at its recycling facilities

FCC Environment, in collaboration with South Bucks Hospice has rescued 45,000 household objects for recycling.

FCC manages 10 household waste recycling centres (HWRCs) on behalf of Buckinghamshire County Council has reached the milestone after only 10 months after recovering household items in good condition.

The items are sent from the recycling centres to shops at High Wycombe and Aston Clinton HWRCs run by the hospice where they are sold to help fund the running costs of current services, which total over one million pounds per year.

Bikes left at the recycling centres are retrieved as part of a scheme where those suitable for refurbishment are sent to HMP The Mount, near Bovingdon, and restored by prisoners as part of their studies to gain a qualification.

Steve Bell, development manager for reuse at FCC Environment said: “The bike reuse scheme is a great project benefiting people from all walks of society. The project also helps prisoners who are getting the opportunity to learn and develop new skills which will help them to gain employment when they leave prison.”

The scheme is also working towards a 500,000 pounds needed for a new, larger hospice planned for 2014.

FCC intends to extend the program to other plants that it manages throughout the United Kingdom.

Plastic arts at school and at the HWRC in Bury (United Kingdom)

The household waste recycling centre (HWRC) at Bury St. Edmunds is now decorated with the recycling-inspired works of art drawn by the students at the Lakenheath, Suffolk (UK) primary school.

Dan Pepper, who works at the recycling centre, organised an art competition for Lakenheath school pupils in collaboration with the Town Council. He visited the school to explain how HWRCs work and asked students to make posters about recycling.

"We were thrilled to work with a local school on this project and those posters liven up the site as well as making visitors think about the importance of recycling, composting, and reusing waste".



Gardner Aerospace's Recycling with FCC Environment Takes Off



Gardner Aerospace, one of Europe's leading suppliers of aerospace parts, has achieved zero waste to landfill at its Derby facility by working with recycling and waste management company FCC Environment.

Since January 2013, FCC Environment has been working towards diverting 100% of the site's waste away from landfill disposal and delivering substantial landfill tax savings.

After auditing the waste produced at the Derby facility, FCC Environment's expert team recommended separating different materials for recycling together with recovering energy from the remaining materials that cannot be recycled.

This plan was implemented and now FCC Environment diverts all of Gardner Aerospace's waste away from landfill instead of paying 72 pounds sterling for every tonne in landfill tax.

FCC Environment collects waste directly from the Derby site which goes to its brand new 3.2 million recycling facility (MRF) in Alfreton which separates materials that can be recycled.

The left over waste is then used to generate renewable energy at FCC Environment's Eastcroft plant in Nottingham, which provides steam for an extensive district heating system.

Eco-efficient management, key item in FCC Aqualia's 7th CSR Report

FCC Aqualia just published its seventh Corporate Social Responsibility Report (CSR) which details all the measures that the Company implemented throughout 2012 as part of its socially responsible management activities. This edition of the report focuses on the eco-efficiency concepts as part of responsible resource management where economic development can be, at the same time, environmentally sustainable.

From the standpoint of how the information is organised, the report contemplates the CSR measures from different perspectives: the company; its clients; its employees; the environment; and, the community. The results is a plan aligned with FCC Aqualia's activities following the guidelines set out in FCC's CSR 2011-2014 Master Plan and its commitment to offering sustainable and responsible services.

> "The document received the highest score (A+) pursuant to the Global Reporting Initiative (GRI)"

The first point of the reports describes 2012 as being a year of consolidation and international recognition of FCC Aqualia. Global Water Intelligence, the world's leader in water market analysis, places FCC Aqualia as the third leading company in its sector worldwide, providing services to more than 30 million people throughout the world and to 36% of the indirect market in Spain.

In addition to the new projects that have been awarded recently, such as "management of the sewage network and waste water treatment plant in Abu Dhabi's east district", the company was also invited to participate in international seminars and projects such as the European Benchmarking Cooperation (EBC). It was also awarded several international distinctions such as the Water Deal of the Year 2012 award for the conclusion of the "El Realito" funding project currently being carried out in Mexico.

As to improving the quality of life of consumers, the report details the implementation and certification of FCC Aqualia's Management System in accordance with UNE-ISO 27001:2007 standards. This initiative guarantees the security of customers' information contained in both FCC Aqualia's contact system as well as in the FCC Aqualia online, the company's main channels for communications with its customers.

The fourth point of the report focuses on employees, highlighting the company's best all-time record relating to the rate of since the implementation in 2000 of its Safety and Health Management System.

Regarding the environment, all operating units at FCC Aqualia have an environment program in place to identify risks and minimise risks affecting the environment. In 2012, the company continued to wager on R+D+i as the driving force for ongoing improvement in its products and services, offering the best quality, the least impact on the environment, and the lowest possible costs for its users.

The last point in the report describes all the measures implemented to bolster FCC Aqualia's commitment to the communities where it operates.

FCC Aqualia's CSR report again obtained the highest score (A+) according to the Global Reporting Initiative (GRI). The Spanish Standardisation and Certification Association (Spanish acronym, AENOR) was responsible for delivering the verification to FCC Aqualia. In keeping with the Company's expansion and internationalisation strategy, the report was published in Spanish, English, and Portuguese.



Link:
http://www.FCC Aqualia.es/FCC Aqualia/responsabilidad-social/la-rsc-en-FCC Aqualia/index.html-,

aqualia

Informe de Responsabilidad Social Corporativa

impulsar
colaborar
avanzar
creer
poder



Well-being

2nd Edition of the Safety and Health Awards

With these awards, the organization aims to recognise the initiatives and measures, group or individual that were carried out at FCC to support the workers' safety and health management.

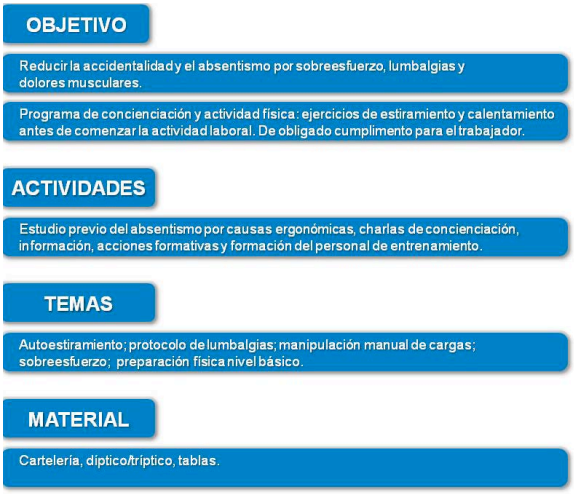
The second edition differs from previous ones since it was expanded to include international areas as an initiative to strengthen and integrate the prevention policy throughout the entire Organization, one of our company's key priorities.

This initiative is one of the tools created by the Department of Occupational Safety, Health, and Welfare to bolster and revitalise enthusiasm, motivation, and the involvement of our personnel in safety and health at work related issues.

The following were the winners of the 2nd Edition of the Safety and Health Awards:

Preventive Management Category

Activity: Preventing injuries
Muscles, skeleton, Sports Warming-up from the Canary Islands Environment Delegation.



System: Wrexham's demonstration of excellent H&S culture de FCC Environment (UK).



Category: Technical R+D+i Innovation

Plant mobile lock off system, FCC Environment (UK)



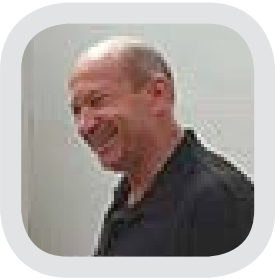


- Procedimiento de aislamiento y cerradura: bloqueo de elementos.
- Nombramiento controlador de aislamiento: Paraliza /pone en marcha actividad.
- Asignación de candados personales.
- Registro de aislamientos y bloqueos: cuándo se ponen, se activan o se quitan.
- Procedimiento para la manipulación de un bloqueo fijo (por rotura, p.e.): aviso inmediato a los servicios de prevención.
- Información de los puntos con bloqueo: imágenes para identificación rápida.

Special Personal mention for a professional

Ángel Luis Sánchez Sánchez, of FCC's General Services is in charge of maintenance and conservation work at corporate buildings. He also coordinates all project activities carried out in the building.

Strict in applying prevention and safety principles, with initiative and involvement, he spreads among his colleagues, personnel under his responsibility and other external personnel the benefits of work that is safe and well-done.



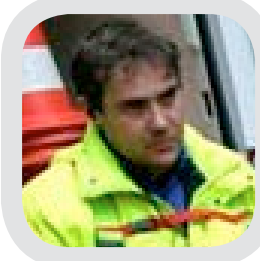
Paul Stokes, of FCC Environment. He is responsible for Safety, Health, Quality, and the Environment at the Company in the United Kingdom.

Responsible for various initiatives that were submitted in other categories for these prizes, he leads the change towards a culture of occupational safety in his surroundings. His passion for positive safety and his strict procedures have made it possible to contribute improvements to the business with the respect and commitment of management and workers.



Francisco Javier Suárez González, of FCC Aqualia north regional office, Trainasa sewage system, Vigo.

A pioneer in the implementation of the prevention of occupational hazards culture at the company, he goes far beyond his basic obligations as a worker in charge of the prevention activity, implementing several novel technical measures, safe work processes in hazardous activities, and management improvements.



Participants

19 projects were submitted from the Company's main business areas, of which 13 are from Spain and six were sent from businesses in other countries.

The Environment Area submitted 9 proposals, four of which were in the United Kingdom by FCC Environment, three from the Levante II Environment Delegation, and the remaining two from the Canary Islands Environment and the Andalucía II delegations.

The Construction division submitted 4 proposals, one international and 3 national, from FCC ACI (Asturias), from the Central Warehouse of Ancillary Resources (Arganda), and from FCC Construcción's Western Andalucía delegation.

Aqualia submitted award-winning proposals in each category, 2 from the Southern Regional Office and 1 from the North Office.

A proposal was submitted by Ámbito from FCC Environmental and another one from the Spanish company Marepa.

Lastly, this year, the General Corporate Services Department participated by submitting one proposal.

The works submitted covered various themes:

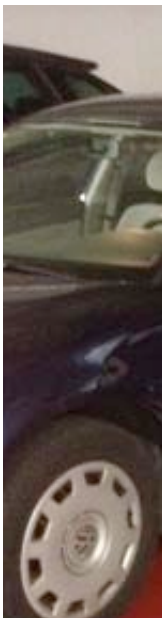
- Information, training, and campaigns on road safety, children's hazards, accident prevention, etc.
- Studies on the calculation of occupational accident costs and on the effectiveness of prevention.
- Safety measures such as those applied by workers in back-load waste collection trucks, or the installation of an auxiliary break in the truck cabin.
- Teamwork as a system for opening the sewage manhole covers and outlets and the automation of the process for cleaning the formworking panels.



Panel of judges

The panel of judges was made up of members from different company areas and also external collaborators of the Safety Technical Office of the National Centre of New Technologies – INSHT; the Mapfre Foundation's Institute of Prevention, Health and the Environment, and trade union representatives from Occupational Health from the Federal FSP Executive Offices of the UGT Trade Unión and the Occupatio-







nal Health Department of the Federation of Private Services of the trade Union Comisiones Obreras.

The FCC members represented in the panel of judges were:

- Francisco Martín Monteagudo, FCC's General Manager of Human Resources
- Tomás Núñez Vega, General Manger of International Services.
- Antonio Pérez Gil, Manger of the Central Regional Department of the Construction Division.
- José Manuel Illescas Villa, manager of Machinery.
- Pedro Rodríguez Medina, manager of FCC Aqualia's Corporate Development.
- Faustino Elías Morales, manager of the Environment Division, Zone II.



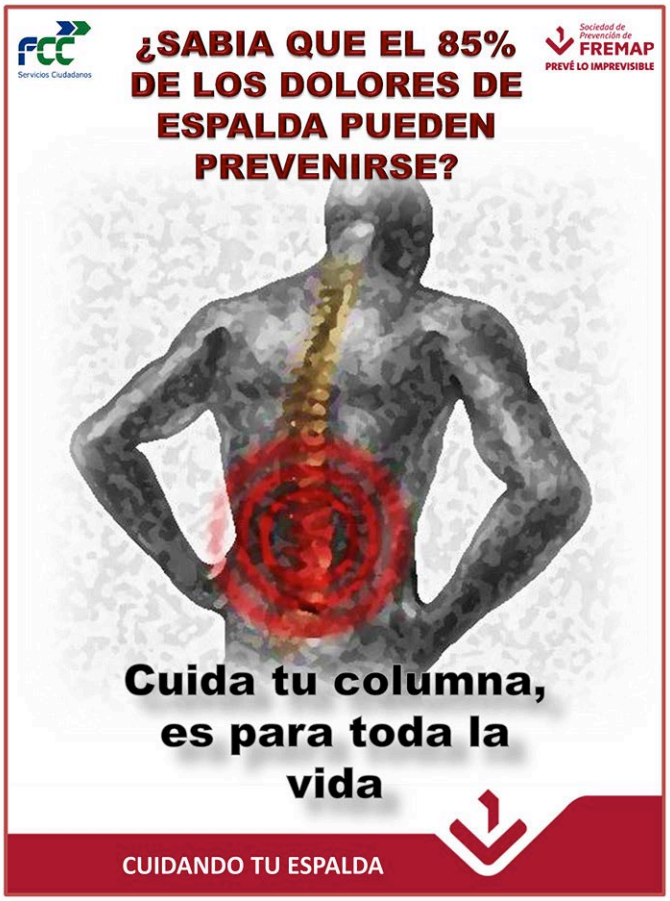
The technical team in charge of organizing the awards led by Juan Carlos Sáez de Rus, Manager of FCC0s Corporate Division of Safety, Health and Welfare, in appreciation of the participation, organised a personalised training activity on road safety for the members of the panel of judges which was given by specialists from FESVIAL.

This activity consisted of theoretical practices and information and training to build awareness on the risks faced by drivers behind the wheel (position of the seat, use of the safety belt, headrest, the vehicle's safety elements, airbags, etc.) which they were able to put into practice later in their own vehicles under the supervision of specialists for the optimal position of the driver and other people in the car to minimise injuries in the event of an traffic accident.

Award ceremony and publication of the projects submitted

The awards will be given out shortly and a document will be published containing the projects submitted (including those for the 1st Edition of the Prevention Awards) to disseminate good practices and the measures which have been implemented so that everybody may know about these and to promote their implementation in other company activities.





New health promotion campaign at the company

Taking care of your back

Between 60& and 90& of the population suffers or will suffer from back pain at one point in their lives and 36% of those who are affected attribute it to their work activity.

This ailment is not limited to workers who work with heavy loads: it also affects those whose work involves little physical activity and there is a significant incidence among those who spent a long time sitting down.

These figures are sufficient to prompt the Company to launch a specific program aimed at preventing back pain and at “re-educating” our spines.

In collaboration with the Prevention Department of FREMAP, and as part of the activities conducted by the company to promote health within the framework of the “Healthy Company” project, we are launching the “TAKING CARE OF YOUR BACK” campaign designed by professional experts.

The objective is to provide workers with the appropriate tools and theoretical-practical knowledge to prevent muscle-skeleton and back disorders which, in many cases, are caused by bad posture and unhealthy habits.

This campaign will be carried out until the end of the year and will consist of training and the dissemination of information promotional material such as:

- Posters placed at strategic sites.
- Information leaflets on specific subjects: “Back pain hand the manual handling of loads”, “Back pain and driving”, “Back pain and overweight”.
- Training seminars at work places.

These actions, we hope, will provide workers with the tools to identify the risks, to which they are exposed in their surroundings, propose solutions and recommendations to diminish these risks, and to encourage the practice of similar adequate measures for each individual and activity.

We hope to count with your collaboration to make FCC increasingly safer and healthier. Participate!!

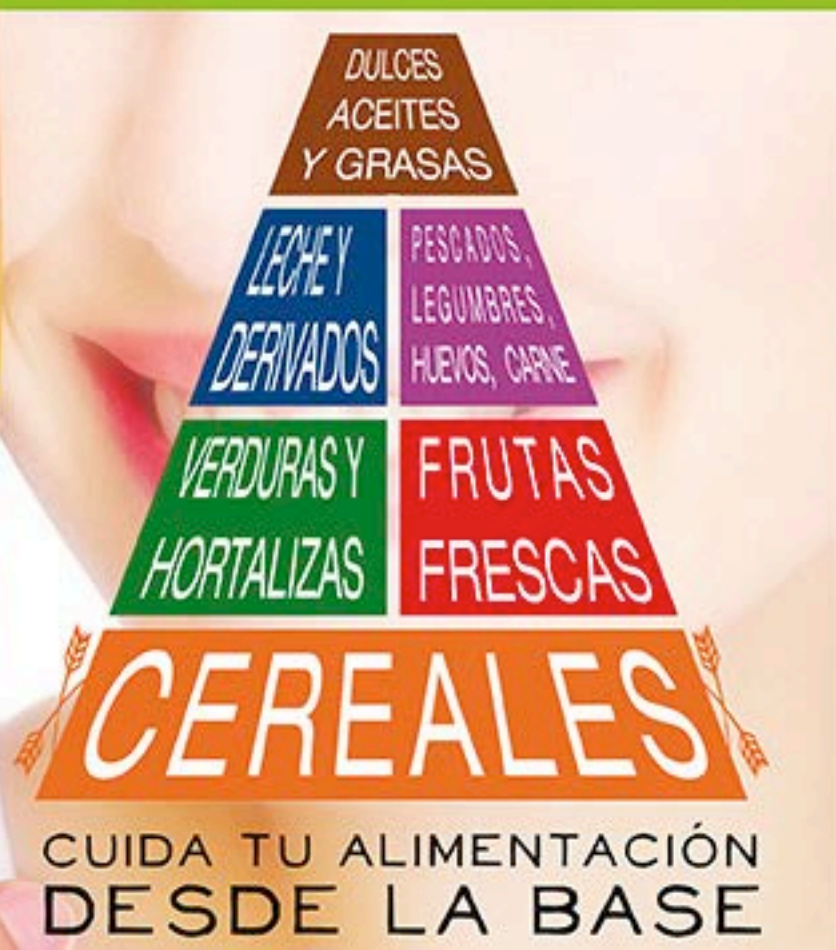


Una alimentación sana, SÍ vale la pena

seguro que SÍ

¡CUÍDATE! ELIGE ALIMENTOS SALUDABLES. PUEDES ENCONTRARLOS CON ETIQUETA **VERDE**





CUIDA TU ALIMENTACIÓN
DESDE LA BASE

Quitting smoking is possible:

OF COURSE IT IS

Collaboration:
Dr. Román Rodríguez Barrigüete

Smoking is one of the main epidemics in our society in terms of how it affects the health of the population and is the leading cause of death in developed countries. It is a widespread disease. Approximately 33% of the population in the world smokes regularly and this has serious consequences on their health, with pathologies directly related to the consumption of tobacco which are among the most frequent in our times.

The consumption of tobacco has multiple consequences on our organism and could be resumed, depending on the systems affected, as follows:

- **Cardiovascular:** Tobacco is one of the main factors in cardiovascular risk and heart attacks are frequent among smokers, as well as angina, ictus, or strokes such as peripheral artery disease that could lead to severe blood risks in the legs.

- **Lung problems:** 90% of chronic obstructive pulmonary disease (COPD) is attributable to smoking. In fact, anyone who smokes a pack of cigarettes during 14 years or more than 10 years should have a check-up to rule out this disease.

- **Neoplasms:** Certain types of cancer are linked to smoking. The most significant among these are lung cancer (more than 80% of cases), cancer of the larynx (more than 90% of cases), bladder cancer (more than 80% of cases) without mentioning many others which are also related to smoking although not as categorically as the above-mentioned (stomach, colon, and other types of cancer).

Quitting smoking certainly improves the quality of our lives. Abandoning this addiction would significantly reduce the causes of death in the western world. It is calculated that between 4.5 and 5 million people die each year as a consequence of smoking.

To achieve our objective, we want to warn the smoking population in clear terms that:

- Tobacco does not contribute anything to our lives; quite the opposite. It represents an important financial expense and the only thing that it does is damage our health.

- Quitting smoking is perfectly possible with the current available treatments.

All efforts to disseminate these messages from the Public Health System and private entities, including the Medical Services of the Company can play a key role and would certainly help in improving the health and quality of life of our co-citizens.

¿Sabes cuál es la mejor medida para cuidar tu salud?

Dejar de fumar es beneficioso para la salud a corto y largo plazo y a todas las edades, independientemente de cuánto se haya fumado o durante cuánto tiempo. Es algo muy reconfortante. Tu salud mejora desde el momento en que se abandona el hábito:

- **20 minutos.** La presión de la sangre y el pulso vuelven a su nivel normal.
- **8 horas.** Los niveles de monóxido de carbono y de oxígeno se normalizan.
- **24 horas.** Disminuye el riesgo de un ataque al corazón.
- **48 horas.** Mejoran el olfato y el gusto.
- **3 semanas.** Mejora la circulación sanguínea y se incrementa la función respiratoria en un 30%.
- **9 meses.** Desaparece la tos, la fatiga y las dificultades respiratorias.
- **1 año.** Comienza a disminuir la posibilidad de desarrollar enfermedades del aparato circulatorio y el riesgo de enfermedad respiratoria y de cáncer.
- **5 años.** El riesgo a desarrollar una enfermedad cardiaca es igual que en un no fumador. Baja a la mitad el riesgo de cáncer de pulmón, de laringe y de esófago.
- **10 años.** El riesgo de tener cáncer de pulmón, boca, páncreas y esófago es similar al de un no fumador. Las células precancerosas han sido reemplazadas.
- **11 años.** Las posibilidades de sufrir enfermedades periodontales es la misma que la de un no fumador.
- **15 años.** El riesgo de padecer un ataque al corazón se iguala al de un no fumador.

Dejar de fumar, es posible

¿Sabes cómo ahorrar 1.200 €?

¿Cuánto se ahorraría un fumador si dejara el tabaco? En España, la media de cigarros que consume un fumador diariamente es de 13,4. Teniendo en cuenta un consumo diario de 15 cigarros y un precio medio de 21 céntimos/cigarro, en tan sólo 15 días el ahorro es ya de casi 50 euros y en 3 meses alcanza los 285 euros

- Unos 95€ al mes
- Unos 285€ en tres meses
- Unos 1.157€ en un año
- Unos 5.782€ en cinco años
- Unos 11.566€ en diez años

Según la OCU, la ropa y el calzado escolar suponen como mínimo 97 € y los libros alrededor de 200 euros.
Total = 297 euros = 3 meses sin fumar.

Según el INE, el precio de la compra mensual de una familia española es de aproximadamente 333 euros3/ = 3,5 meses sin fumar.

Dejar de fumar, es posible

¿Sabes cómo rejuvenecer?

Las radiaciones solares y el tabaco son los enemigos más destacables de la piel, sin embargo, los daños del tabaco son, generalmente, reversibles y la piel es el primer órgano que muestra los efectos positivos a las pocas horas de dejar de fumar, "La piel se vuelve más tersa e hidratada". Dejar de fumar, son todo ventajas:

- La piel está hidratada y no se producen arrugas prematuras. El acné y los granitos desaparecen.
- Desaparece el olor desagradable que está impregnado en las ropas. Se recuperan los sentidos del gusto y el olfato.
- El mal aliento desaparece como el mal sabor de boca.
- Los dientes vuelven a brillar y a ser blancos. Los dedos no amarillean. El aspecto del cabello mejora.
- Mejoran las digestiones.
- El dolor de garganta no es tan frecuente, la tos no aparece. La respiración mejora. Las infecciones respiratorias y de oído no son frecuentes.
- Tiene mayor capacidad de realizar ejercicio.
- Las enfermedades periodontales no son tan frecuentes.
- Los niveles de colesterol y de tensión arterial disminuyen.
- Los medicamentos son ahora más eficaces.
- Se elimina un aliado de la celulitis. Dejar de fumar no tiene por qué engordar.
- Aumenta la autoestima.
- Aumenta el deseo sexual.
- Dará un buen ejemplo a sus hijos.

Dejar de fumar, es posible

¿Sabes cómo evadirte de situaciones estresantes?

Es físicamente imposible que el tabaco relaje: la nicotina que contienen los cigarrillos aumenta ligeramente la presión sanguínea y estrecha las arterias, además de acelerar el ritmo cardiaco. Todo ello son indicios de tensión y nerviosismo, es decir, la antítesis de la relajación. **Entonces, ¿por qué fumar PARECE relajante?**

Una buena gestión del estrés: Cuando una persona fumadora se encuentra en situaciones estresantes, suele ocurrir lo siguiente: se marcha un rato para "fumar un pitillo". Enciende uno, le da una calada profunda y exhala el humo lentamente. Se ríe y charla con otros fumadores o, si no hay nadie más, ordena sus pensamientos.
Estas acciones son técnicas estupendas para gestionar el estrés. Los fumadores son capaces de relajarse, son los artífices de su propia relajación, pero se la atribuyen al tabaco.

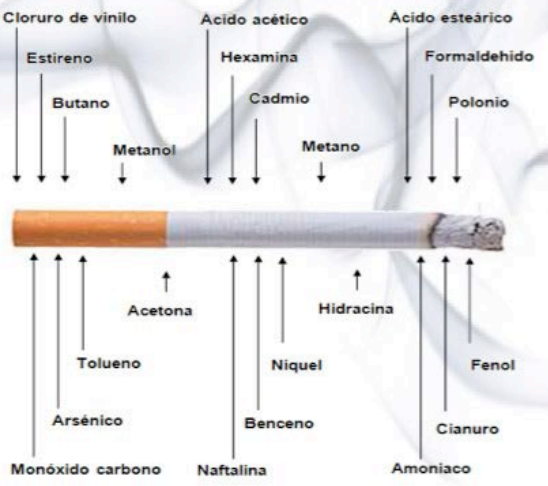
Desaparece el síndrome de abstinencia: Si crees que fumar alivia el estrés, estás confundiendo éste con el síndrome de abstinencia. Cuanto más se espera a fumar, más evidentes son los síntomas característicos del síndrome de abstinencia asociado a la nicotina, tales como la irritación, la tensión y la falta de concentración. Con un cigarrillo estos síntomas desaparecen en cuestión de segundos proporcionando una sensación de calma y alivio. Esta forma de "relajación" no es sino la desaparición del síndrome de abstinencia. Por tanto, si crees que el tabaco te relaja, piensa que su capacidad de relajación viene dada por el simple hecho de que fumas. Si no lo hicieras, no padecerías el síndrome de abstinencia y no tendrías que aplacarlo.

Los fumadores son capaces de relajarse, son los artífices de su propia relajación, pero se la atribuyen al tabaco.

Dejar de fumar, es posible

¿Sabes qué tienen en común el benceno, el butano, el metano... ...y el níquel?

Forman parte de las más de 4.000 sustancias distintas que forman parte de un cigarrillo, considerando los componentes del tabaco, el papel, el filtro y sus aditivos. Gran parte de ellas son altamente tóxicas y los fumadores las saborean en sus cigarrillos.



Dejar de fumar, es posible

FCC helps you to stop smoking

We propose that you abandon this unhealthy habit and join our initiative that will help you to improve your health.

At FCC, we want to promote a work environment with healthy people. That is why we count on you to help us promote health and to prevent the occupational hazards related to our jobs. Building a healthy company is the responsibility of all of us.

The medical services of FCC are actively involved in several initiatives organised to promote a healthier work environment and healthy habits, including quitting smoking.

Therefore, in June and coinciding with the World Without Tobacco Day, several awareness-building seminars were organised to encourage people to stop smoking. The FCC medical team made presentations at four of our work sites: Balmes, Federico Salmón / Comandante Azcárraga, Acanto and Las Tablas.

These seminars were also accompanied by information material based on the advice and data that all smokers should be aware of. Are you ready to try to stop smoking? Learn how we can help you by calling the FCC Medical Services to obtain information.

Technology that saves lives

New prevention equipment is being tried out at the FCC Environment facilities in Bletchley (United Kingdom) which is the first of its kind in the waste recycling and management industry.

This technology, which could save lives, involves a devise that is attached to a bracelet or hung from the neck that triggers an alarm if a person comes too close to machinery or vehicles in operation. It warns people that they are in a dangerous situation and it is believed that it will help prevent accidents and injuries to workers at waste management facilities.

Once the pilot test at Bletchley is completed, it will be implemented at the Luton installations. If the results are satisfactory, the safety system will be implemented at all FCC facilities.

The locations with the highest risk will be the first to receive the equipment as part of a three-year campaign to prevent and reduce serious accidents.

Location

The Bletchley Landfill Site is 0.5 south-west of Bletchley and 0.5 kilometres northeast of Newton Longville, near Milton Keynes, in Buckinghamshire county. The place is surrounded by fields of crops, restored industrial land, and some suburban living areas. It is bordered on the east by the Natural Blue Lagoon Reserve. It can be reached from the west, through the access road from the A4146, Drayton Road.



Dejar de fumar es posible, seguro que sí



Podemos ayudarte

Consulta a los Servicios Médicos de FCC o al Responsable de Prevención de tu centro.

FCC
Servicios Ciudadanos

seguro que SÍ

Representatives of the Department of Employment, Tourism and Culture of the Madrid Autonomous tour the Prefabricados Delta facilities

As a reference company in the areas where it conducts its activities, FCC maintains close ties with public administrations, offering its facilities, management expertise and good practices in several collaboration initiatives.









On 9 September, the vice-councilman of employment of the Madrid Community, Juan Van Hallen; the general director of Work, Mar Alarcón; representatives from the Madrid Regional Institute of Safety and Health, accompanied by the general manager of Prefabricados Delta, Rafael Villa and FCC personnel, toured part of the Prefabricados Delta factory in Humanes (Madrid). Specifically, they visited the installations where fibreglass-reinforced polyester pipes are manufactured, a facility spreading over an area of 8,000 m^2, 3,100 m^2 of which are indoor facilities.

The day started off with an introduction on the company, its structure, materials, the manufacturing processes and the application of these products in different sectors and continued with an interesting tour of the facilities where these types of pipes are manufactured.

During the visit they were able to confirm how work conditions are controlled and the safety and health measures implemented



throughout the entire process that back up the good results achieved in the rate of accidents.

Prefabricados Delta operates four factories; two in Humanes (Madrid) and another two in Puente Genil (Cordoba) where it offers its customers the best pipe solution for each project, either metal sleeved concrete pipes (post-stressed or reinforced and elastic or welded joint) and fibreglass-reinforced polyester pipes, as well as its experience in the water sector.

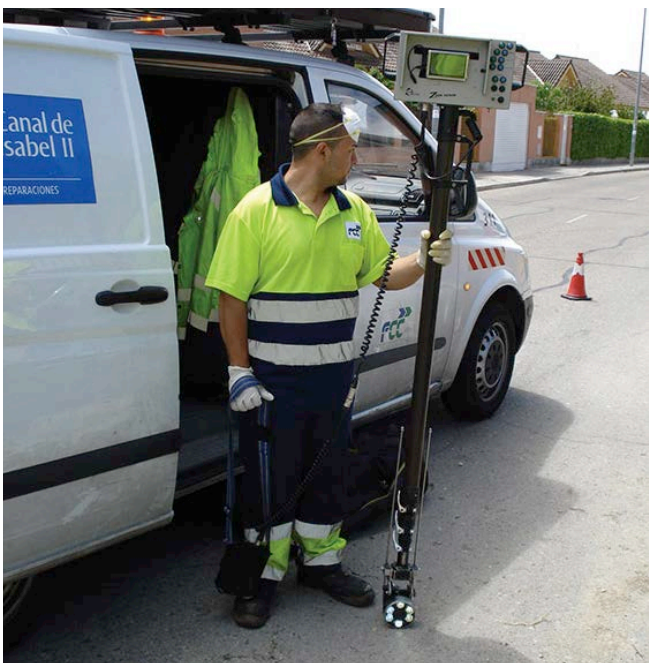
Besides pipes, Prefabricados Delta supplies other products, such as special parts for hydraulic systems, railway sleepers, and concrete arches.

GFRP Pipes

These pipes provide great resistance to abrasion which makes them particularly adequate for using in places with aggressive fluids (industrial applications) and are classified according to their ND (Nominal Diameter), NP (Nominal Pressure) and NR (Nominal Rigidity). The pipes are manufactured using mainly three materials: a matrix made of non-saturated polyester resin, reinforced with glass fibre in the interior of the matrix, and an inert material (generally quartz/silica) which is incorporated in the matrix as a structural load.









Collaboration between the Regional Institute of Occupational Safety and Health (IRSST, Spanish acronym) and the prevention technicians at Conservación y Sistemas

Conservación y Sistemas is a technological company specialising in the design, installation, operations, and maintenance of traffic and shadow toll management systems in intercity networks, tunnel safety installations, roads, railway tunnels as well as in the maintenance and upkeep of urban infrastructures.

As part of the collaboration agreement between the Regional Institute of Occupational Safety and Health (IRSST, Spanish acronym) and FCC; last May the prevention and occupational hazard technicians of this organization accompanied the personnel from Conservación y Sistemas in a visit to the "Operations of the Municipal Sewage Network of Madrid: Lot D: Subbasin South, West, Valdebebas and Rejas" which is part of the sewage activities of the Department of Urban Services, in order to acquire deeper knowledge on the work processes and the protection equipment used in this activity.

The activities carried out in this zone are classified as conservation work and sewage network cleaning.

For several days, they checked the inspection procedures at the part of the network that can be visited and is tubular (interior and exterior communication methods from well to well, signalling, opening of the well) and were shown the work carried out to clean the sewers (the use of a tubular network cleaning truck) as well as the tasks involved in conservation and repairs.

During these processes, emphasis was made on the importance of monitoring safety measures and on the sue of work equipment such as the tripod for descending, escalating, and rescue operations, the use of a gas detector, the oxibox, the use of a pole vault, head gear, gloves, boots, and overalls, all of which are necessary to ensure safety in the work processes.



Knowledge FCC Aqualia focuses its research activity on providing smart services

> “Proposes an open R+D+i model governed by the UNE 166002 certificate”

> “Encompasses all knowledge and the results of its projects in designing and implementing Smart Cities”

In its role as an efficient collaborator of public administrations in providing end-to-end water services, FCC Aqualia, FCC’s water management company, pays special attention to research, development, and innovation activities (R+D+i). Water is a basic service that must be provided without interruptions, in sufficient quantities and quality. Under this premise, the activity of operators is directly related with the so-called Smart Cities as a concept of urban hubs that offer citizens the most efficient and environmentally-friendly services.

At FCC Aqualia, innovation is considered an open activity and, therefore, even though its Innovation and Technology Department is responsible for channelling the implementation and development of projects, this work involves its 7,000 workers. All of the activity is carried out under the UNE 166002:2006 certificate that guarantees excellence in the management of all projects.

From its daily performance in more than 1,100 cities and towns, FCC Aqualia applies its expertise in three key areas: quality, sustainability, and end-to-end management. The company’s work in these three areas means specific improvements which are applied on a daily basis in the services provided to the cities and towns where the company operates.

More than twenty projects developed or in progress

FCC Aqualia, over the past year and in collaboration with the leading Spanish and European research projects, has increase the number of projects under management, more than twenty and totalling over 70 million euros.

One of FCC Aqualia’s projects has been carried out and completed in Medina del Campo (Valladolid) over the course of 2012. In this case, and with the support of the Ministry of Education for innovation and professional training programs, the company completed its Predictive Maintenance research project.

Executed jointly with several Professional Training schools, the project has made it possible not only to develop the technology required for determining the percentage of useful life of certain parts or elements and confirm if the repairs restore these back to their ideal functioning order, but also to implement this technique, the training and instrumentation of which is costly, in participating organizations.







The FCC company, as part of its project portfolio, is also a partner in consortiums that are studying revolutionary aspects in bio-energy production from wastewater. In the case of All-gas, a pan-European consortium led by FCC Aqualia, is investigating as part of the 7th European Union Framework Program, the sustainable production of biofuels based on the low-cost cultivation of micro-algae.

The project reached its first milestone in September 2012 when the first results were approved and aims to recycle organic material from farm waste and wastewater to produce biogas. It also seeks to recover nutrients and water to benefit the growth of algae under favourable conditions and extract oil and chemical by-products of the algae biomass. If this became a possibility, it would revolutionise waste water treatment since the waste could generate a very valuable energy resource.

The Smart City study

One of the major projects focuses on investigating the treatment, reuse and control of water for its sustainable use. This is the case of the ISIIS project (Integrated Research on Sustainable Islands) which is posing the challenge of designing a "home of the future" that is more respectful of the environment and capable of evolving and responding to stimuli in its surroundings.

With this objective in mind, the project partners are conducting an advanced and ambitious investigation on the necessary materials and technologies for developing a building that is self-sufficient in all aspects (water, energy, basic food, waste treatment and recycling, etc.), featuring integrated installations and an intelligent management and control system all of which is aligned with the "smart cities" concept.

FCC, in this investigation, has contributed all the synergies that, as one of the leading European citizen services group it has at its disposal.

Alcoy (Alicante)

As part of the ISIIS project, the city of Alcoy (Alicante) is involved in a study for optimising energy resources in the water cycle. The objective of this investigation, a pioneer worldwide, is to reduce service costs and the environmental impact by producing less CO2 emissions to air.

It is precisely in the conception and development of Smart Cities where FCC Aqualia wants to integrate all its knowledge and the results achieved in its R+D activities. Based on the involvement of all agents (administrations, companies, citizens), the Company wants to generate a new relational framework that will make it possible to take a step forward, from citizen services to smart services.

The Company's plan contemplates four pillars that must be managed correctly to achieve this new concept: Human Resources, Quality, Innovation, and Sustainability. A new approach is required as part of this framework: citizens must play a fundamental and proactive role, though information on real time, in the field of smart services.

FCC Aqualia proposes that the ongoing improvement in the new generation of services is assessed and monitored by means of a series of indicators (management, financial, and environmental), the measurement of which on real time makes it possible to achieve ongoing improvement and the implementation of corrective measures whenever necessary.

Guest Column

By: Javier López-Galiacho Perona

Director of Corporate Social Responsibility at FCC

The corporate culture as leverage for improving results

Summer reading always brings pleasant surprises, such as the book The Culture Cycle: How to Shape the Unseen Force that Transforms Performance, by professor James L. Heskett of the prestigious Harvard Business School (HBS) and the Baker Foundation.

This Emeritus professor who has dedicated many years to exploring ways to satisfy employees and customers, shows in this interesting work how an effective corporate culture not only helps to improve work performance by 20 to 30%, but how it is also a critical factor to retain talent. The culture of an organization, states professor Heskett "is not a trivial concept; quite the opposite, it can and should be measured and quantified".

If, as this management guru assures us, a properly deployed corporate culture seems to ensure results or improvements, it is necessary to ask ourselves what is the culture that defines FCC and what can be done to reach that point of pride of belonging or of earnings returns.

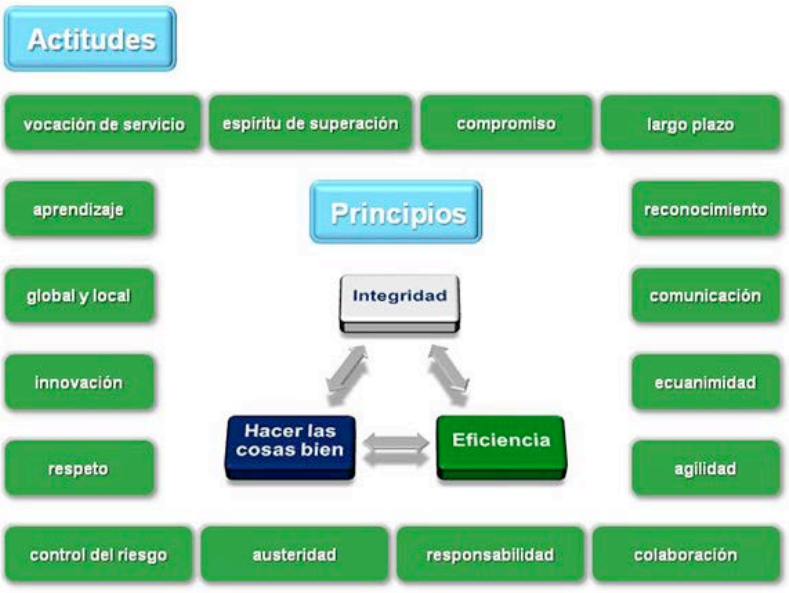
For now, the steps forward that are necessary for this achievement have already been taken. Between 2010 and 2011, the Corporate Division of Communication and Corporate Responsibility in conjunction with the Corporate Division of Human Resources led a process for reviewing the FCC culture and its results was a renews cultural framework that encompasses our mission, vision, principles, attitudes and conducts that are expected of all of us who work in this Group.

> "We design, execute, and manage services and infrastructures the purpose of which is to satisfy the requirements and needs of our customers and to contribute to the sustainable development of the communities where we are integrated"









The first phase consisted of learning, by means of a questionnaire, the opinion of FCC Group management on the mission, vision, values, and on the Code of Conduct.

In this phase, 220 managers representing different age segments, business units, and seniority in the company participated after being invited to express their opinion on the elements of FCC's official culture and the level to which it had been assumed, as well as on the changes and improvements that they deemed most appropriate. The high level of participation (74%) made it possible to obtain significant knowledge on the perceptions of the organization and considerably enriched the process for reformulating the cultural framework.

The second phase was to compare these results by interviewing ten senior managers of the FCC Group and, in the third



phase, based on all the information collected, a new cultural framework for FCC took a definitive shape.

As a result of this review process, the FCC culture, from being underpinned by three elements (vision, mission, and values) is now based on five (vision, mission, principles, attitudes, and conducts) all of which are included in the new version of the Code of Ethics that was approved by the Company's Board of Directors in February 2012.

Hence, FCC0s mission, that is, the organizations raison d'être was defined as follows: we design, execute, and manage services and infrastructures the purpose of which is to satisfy the requirements and needs of our customers and to contribute to the sustainable development of the communities where we are integrated".

As to the vision, that is, where the Group wants to go, this would be expressed as follows: "we are an international reference group in citizen services which contributes to the welfare and sustainable progress of society".

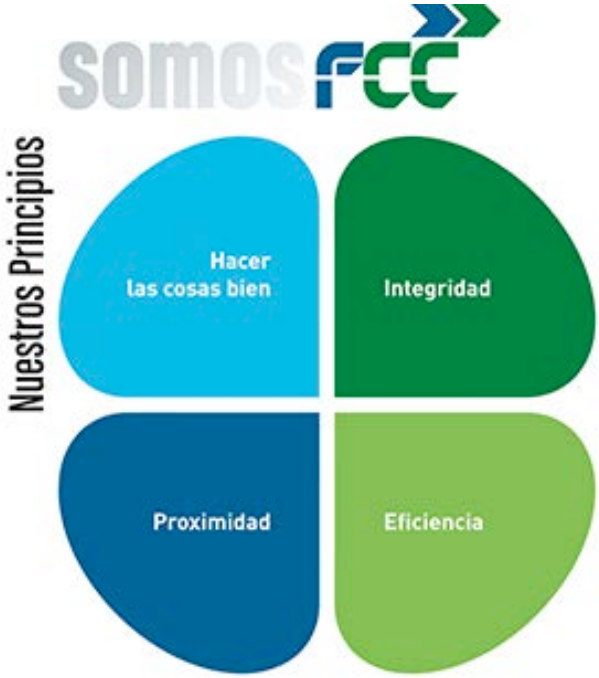
In respect of values, which are now defined as Principles, the organization understands that it revolves around the following four concepts:

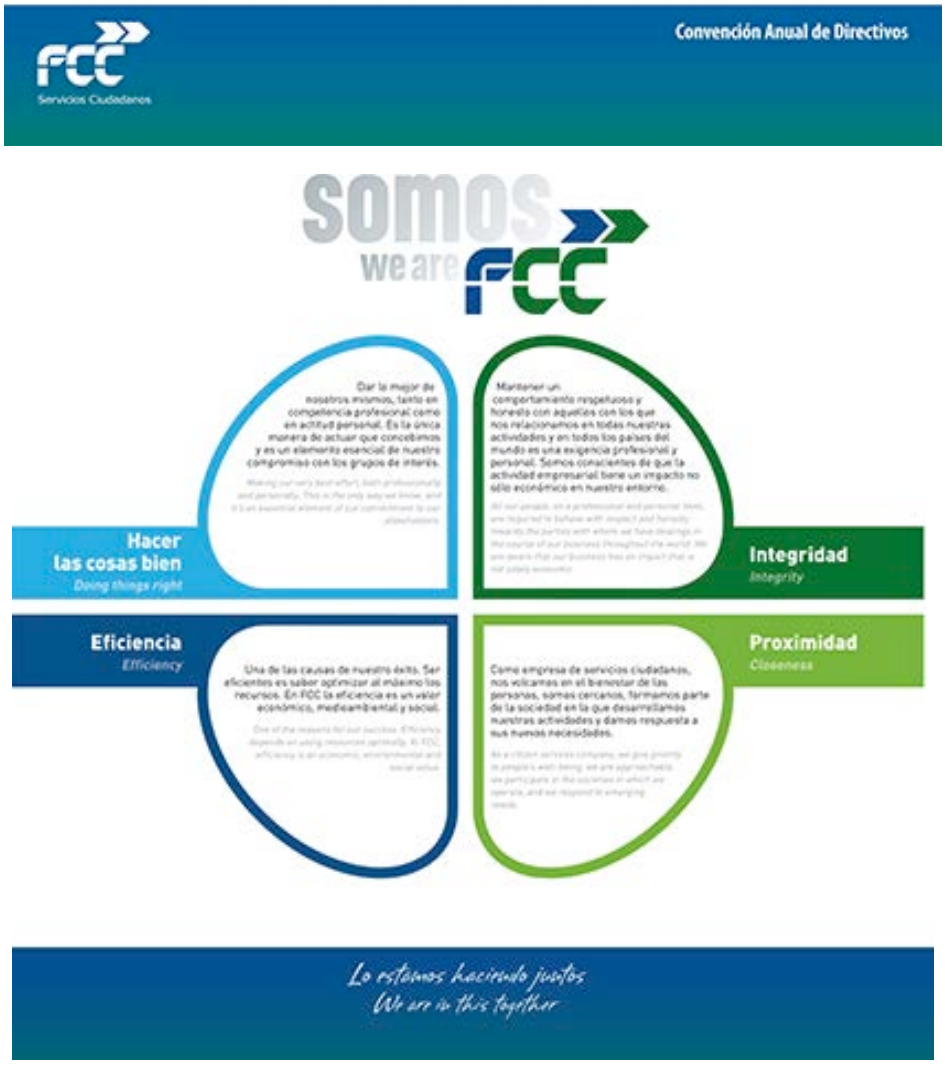
- **Doing things well.** At FCC we have always striven to do things well since it is the only way that we conceive it and it is an essential element of our commitment with our internal and external stakeholders.

- **Uprightness** as a personal and professional requisite. Being upright means that, besides fulfilling our commitments, we must respect the person with whom we have relations and behave honestly and transparently every day in all our activities and in all the countries in the world where we operate.

- **Efficiency** as part of our history and one of the reasons behind our success. For all members of FCC, being efficient means being austere, minimising the use of all types of resources and taking the most advantage of these resources in developing our activities and in fulfilling our objectives.

- **And proximity.** We are a citizen services company that is close to the societies where we conduct our activities. This principle means that we must respect the expectations of those who make up these communities while trying to offer them the responses that satisfy the general interest.





> “We are an international reference group in citizen services which contributes to the welfare and sustainable progress of society”

The review of FCC’s cultural framework, based on these principles, resulted in the definition of a series of attitudes and conducts that the Group expects of each one of us when we perform the competencies and functions entrusted to us and which can be summarised as in the following outline:

The redefinition of the FCC cultural framework is only the first step. As in any organisation, there is still a road to travel until the corporate culture is understood and then adopted as a way of being and of performing in the company.

We began and end this collaboration with Heskett. The mission, vision, principles, attitudes, and conducts expected of everyone in the organization is of little use if, according to the HBS professor, we limit ourselves to defining it and then putting it away in a drawer. We must live them and measure them in order to be a source of competitiveness and efficacy. We should all strive to achieve this.

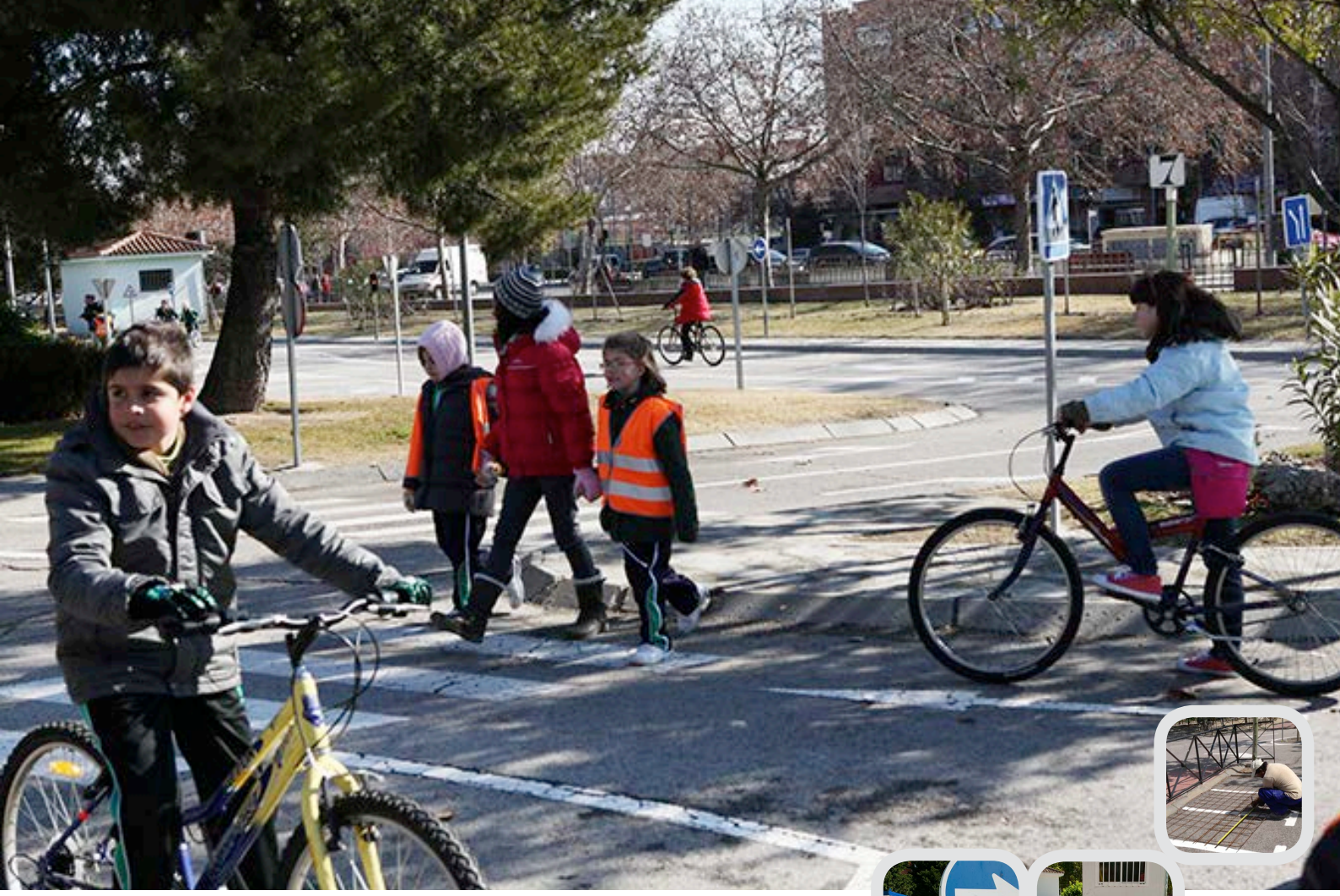
The Place



The Road Safety Park in Alcobendas (Madrid), a place for learning

> "The Agreement has already led to the "Dress the Park" program at the Road Safety Park in Alcobendas"

FCC and the city's Town Council entered into an agreement for promoting educational measures









The Road Safety Park in Alcobendas is a facility designed for promoting road safety, Providing the practical means to users required for appropriate training and safe driving habits.

Managed by the local police force, the park recreates a miniature circuit of the city with traffic lights, pedestrian crossings, signalling and roundabouts. It offers the possibility of driving practices in a smaller-scale environment.

Students ride on various types of vehicles such as regular or electrical bicycles, karts, mopeds and motorcycles and put into practice the knowledge acquired in road safety.

The facilities include a classroom for theoretical classes on road safety and education that support and complement practical driving activities.

It also includes offices, a repair and maintenance workshop for vehicles, a gardening warehouse and a recreational area with swings, benches and a fountain.

In operations since 1986

In operations since 1986, the park has become a point of reference for training and for building awareness among as users of public thoroughfares and as future drivers. Besides the children's educational programs, it also provides courses on moped and motorcycle driving safety, road safety for people with special educational requirements, programs for the elderly, training for civil protection volunteers and training programs for monitors of leisure and recreational activities.

One of the most attractive features of the training programs organized at the park is the fact that the theoretical courses are then put into practice at the park's circuits by students who drive their motorcycles, mopeds, bicycles or karts.

Collaboration agreement

As part of this initiative, the Alcobendas Town Council and FCC have entered into

> “The Road Safety Park in Alcobendas is a good example of efficient training and road safety management”

a collaboration agreement to promote joint road safety and educational actions. The agreement was signed by Ignacio García de Vinuesa, the mayor of Alcobendas, and by Francisco Martín de Monteagudo, managing director of FCC's Human Resources division.

The agreement is the fruit of a meeting at Gestiona Radio, a radio program in which José Félix Gómez, the councilman for Citizen Safety and Traffic at Alcobendas Town Council, and Juan Carlos Sáez de Rus, the director of FCC's Corporate Division of Safety, Health, and Welfare.

At that meeting, the idea came up of joining forces in awareness-building programs on road safety, accidents, and mobility; training and seminars on road safety, and other projects on research, advisory services, and the exchange of materials.

The actions carried out

As part of the agreement, "Dress the Park" program at the Road Safety Park was born. As part of this program, all the road simulation elements and the installations of the various city furniture elements were installed at the park. Various departments from different areas and companies of FCC which have signed the company's Strategic Road





The agreement was signed by Ignacio García de Vinuesa, the mayor of Alcobendas, and by Francisco Martín de Monteagudo, managing director of FCC's Human Resources division.

FCC's track record in road safety

Since the creation of the Road Safety Strategic Plan in 2010 at FCC, there has been an ongoing commitment to work on the social, work, and economic aspects of traffic and travel and the necessity worldwide of taking actions, building awareness, participating, and having a commitment.

Our lines of actions are driven by four basic tenets:

- Occupational Hazards – Road Safety Plan.
- The Plan on Medicine at Work - Health on the Road.
- Driving Education and Training Plan.
- Mobility Plan.

European Road Safety Charter

Signatories of the European Road Safety Charter since 2011, during these years, the company has formed alliances with entities focusing on Road Safety such as the Mapfre Foundation – Road Safety Institute and FESVIAL (the Spanish Road Safety Foundation), carrying out specific actions aimed at dissemination, awareness building, and practical training.

The collaboration agreement that FCC Citizen Services and the Town Council of Alcobendas marks an important step for the development of joint actions on road safety and mobility, the fight against traffic accidents, and the development and promotion on road safety education for citizens.



Collaboration agreements

FCC has collaborated closely with Dirección General de Tráfico (National Traffic Department, DGT Spanish acronym) in different work groups and in providing support and facilitating the dissemination of various campaigns and good practices.

Safety Plan participated and collaborated in this program.

On 21 September, coinciding with the European Mobility Week, a seminar on road safety for children was organised, consisting of several free-of-charge activities, by FCC jointly with the city's local authorities. Thanks to this activity, the children and family members of company employees enjoyed the event while learning at the same time.
The collaboration agreement between the Alcobendas Town Council and FCC Citizen Services Group will promote educational and training actions, promoting road safety and will increase this offering by including other concepts such as road safety during working hours and risk-awareness.

Special characteristics

- Created in 1986.
- Total surface area of 5,170 m^2.
- Two-lane roads.
- Roads inside the park are 4 metres wide and those in the surroundings are 5 metres wide.
- A 1.5 metre wide bicycle path .
- Numerous horizontal and vertical signs adapted to the size of the park and placed at a level matching the height of children.
- Circulation is regulated by four complete sets of traffic lights.
- Includes a large building, approximately 230 m^2, with a classroom, a warehouse, an office, and service areas.
- The vehicle park includes:
  - 18 Kart-type electric vehicles.
  - 60 bicycles.
  - 20 mopeds.
- The park includes a children's playground fitted with various types of play equipment.
- About 2000 primary school students visit the park each year.
- Tours are organized for schools from other cities and towns.
- Approximately 800 students from secondary schools receive driving lessons.
- Several special education schools visit the facilities each year.
- There is also a traffic education program for the elderly organised at various retirement homes in the city.
- It has been awarded several prizes in national contests on Traffic Education organized by the National Traffic Department.
- The work it carries out has received recognition from several national organizations.

José Félix Gómez Gómez,

General Director of the City Hall and Delegate for Citizen Safety, Traffic, and Civil Protection

Could we say that one of the strong points of this agreement is the fact that the administration and a private company are joining efforts to achieve a shared objective that has a direct impact on the community, such as the issue of road safety and traffic accidents?

Certainly. The administration and companies must collaborate hand-in-hand in other projects and the need for mutual cooperation is certainly the case in those related to Road Safety.

Since the Road Safety Park in Alcobendas is an example of driving and road safety education, can you tell us if other administrations or entities directly involved in road safety, such as the National Traffic Department, have supported and given recognition to this Park?

Since 1986, the Park has represented Alcobendas in 20 national traffic education events and, also represented Spain in the 4th European Cup held in Dublin (Ireland) in 1994 where it was awarded the second prize.

Nationwide, the Park was awarded two first prizes, two second prizes, one third prize, 4 fourth prizes, and 4 first prizes individually.

In respect of moped safety, it received three first prizes, two second prizes, two third prizes, four fourth prizes, and six first prizes individually.

Besides contests and championships, it was a topic of discussion in several seminars and conventions by being mentioned in communications and in presentations.

The last recognition was in February 2012 when it won the Spanish Road Safety

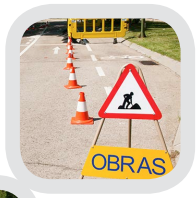
Can you give us some figures on the means, resources, and users of the Road Safety Park?

The human resources consist of three members of the local police force and a corporal in charge.

The facilities were recently refurbished and made more comfortable. There is a new blackboard, slide projector, video monitor, signs and posters, more courses, etc. As to traffic and driving equipment, we have 54 bicycles, two of which run on electricity, 20 Karts, 21 mopeds plus two electrical ones, and a repair shop for keeping all vehicles in perfect working order.

In short, the Park has all the resources necessary so that Road safety is part of our children's education, making them perceive it as something that is fun and part of their everyday lives.

About 60,000 children have visited the Road Safety Park over the past 20 years, including students from various public and private schools in Alcobendas and nearby cities and towns that have also asked to participate in our Road Education courses. This educational offering has been extended over the years to other groups (senior citizens, young people taking recycling courses, children with special needs, such as those diagnosed with autism. , etc.).



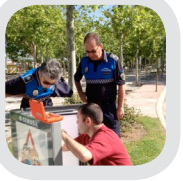














What is your opinion about companies such as FCC that develop plans of action that go beyond its labour force, in issues as delicate and specialised such as road safety?

I believe that training (for our employees, children) on prevention is something that is very necessary and positive. That is why our Town Council will always support these types of initiatives, either in the field of road safety or on matters related to sustainable mobility.

The fact that FCC is developing these plans is very satisfactory and reflects the company's commitment to Corporate Social Responsibility.

What other activities is the Town council contemplating, for the European Mobility Week, for example?

We have carried out activities in public roads, excluding automobile traffic, mainly with bicycles, and have also organized workshops, round-table discussions, and dissemination campaigns on sustainable mobility.

What would you tell other Town Councils to convince them on the need for investing and on carrying out educational and training activities for the community? What would you tell the citizens of Alcobendas or FCC employees to convince them to participate in the initiatives being implemented by the City Council and by the Company?

Drivers' education is an investment that saves many lives. Today's children will be driving on the roads tomorrow. It would come as a surprise to many of us to realise how many things are related to drivers' education which we know nothing about.

We all play roles in our daily lives: we are parent, sons and daughters, company workers, civil servants, we have families, friends, obligations, leisure time…and we realise that many of our activities take place on the road, a place shared by all of us, either as drivers o pedestrians. The need for sharing this common space makes it necessary for us to be respectful and to know the regulations and to be involved in this task which is a task that is the responsibility of all of us.

That is why it is worthwhile to participate in these types of initiatives which also contribute to the peaceful coexistence of our citizens.



.A.S.A. recycles tyres

for horse tracks and stud farms

Already used at the Napajedla, stud farm in the Czech Republic

The nearly 130-old is one of the best of its kind in Europe. As the cradle of several famous winners, the stud farm has scored a number of successes throughout its history. Horses born and raised at the stud farm in Napajedla have won races not only in the Czech Republic and Slovakia, but have also been victorious in races in Great Britain, Germany, Austria, France and Switzerland.

The stud farm is now home to 156 stallions and mares, consisting of current, future and former winners of many prestigious races. "We are dedicated to 'all of our residents' despite the limited financial resources for their maximum care," says Margit Balaštíková, the director of the stud farm. "We are constantly striving to improve conditions for their training and recovery, because we treat a number of horses with problems, particularly with the musculoskeletal system, at our facility."



That is why the stud farm has decided to test hipotextil, a special compound produced by the company RPG Recycling, which belongs to the REC Group. It is a mixture of textile material and rubber granules, which is a by-product in the process of recycling used and new tires.

It is an environmentally friendly product that does not affect the quality of the environment, nor endangers human health or animal health. "Tires are an amazing material and are 100% recyclable," says Radomír Bureš, the executive director of RPG Recycling. Tires are made of rubber, textile fibres, a steel cord, and a small amount of soot.

The first step in the recycling process is to cut up the tire into pieces measuring approximately 20 x 30 cm, including the cords, which, at this stage, cannot be separated from the rubber. The next step involves chopping and crushing these tire pieces into bits no bigger than 20 mm. A strong magnetic belt then removes more than 95% of the free steel cords from the debris.

> “.A.S.A., partners with RPG Recycling”

This is followed by fine crushing, where the rubber for recycling is cut to the final size.

During this process, the free textile fibres are continuously extracted through a vacuum and the remaining steel cord is removed in two phases. The resulting product is primarily rubber granules, with secondary bits of steel cord and textile fibre. “From one car tire weighing 10 kg we are able to extract on average 6,7 kg of rubber granules, 1,4 kg of steel cord with a purity exceeding 95% iron, and 1,9 kg of textile fibres, called chemlon,” adds Bureš.

RPG Recycling annually recycles about 18.000 tons of tires, of which 500 tons come from .A.S.A., which has long been one of RPG Recycling’s partners. The company .A.S.A. is one of Europe’s leaders in waste management and the provision of municipal services. Every year .A.S.A. processes more than 0.5 million tons of secondary raw materials.

“Our experience with this compound so far is very good,” says Mrs. Balaštíková. Mixing it with silica sand creates a pleasantly elastic coating with stable, excellent anti-slip







The case of Millas

A beautiful example is Millas, the best vaulting horse for individuals in 2012. In that year he finished in 2nd place with Adam Lukáč (junior men's category) at CVI in Stadl Fears (Austria) and in 1st place with Viktoria Martinčeková (junior women's) at SVP in Šaľa (Slovakia). Millas is now recovering at the stud farm following a difficult operation for a chip inside the hoof joint on his right front leg. Thanks to training on the hipotextil surface, his health is improving and we expect him to continue his promising career after recovery.

Like other horses at the stud farm, Millas is also used in the commendable program of hippotherapy. For many years, the Napajedla stud farm has been cooperating with the Sunshine Home for Children and Adolescents in Otrokovice.





tic coating with stable, excellent anti-slip and damping properties. "It is a very soft and flexible surface, which really surprised us, and since it doesn't freeze, it reduces the risk of injury to people and animals."

This has been confirmed by veterinarians Petr Eim and Tomáš Benko, who look after the health of the horses. "Although we have had this surface for only a short time, we can see positive results. It minimizes vibrations and therefore protects the joints and ligaments of horses and ensures the total safety and flexibility of their movements."

And so old tires at the end of their motoring career can connect two practically incompatible worlds and "do good deeds". They are further proof that the lifetime of products need not end in the trash bin, container or at a recycling centre.

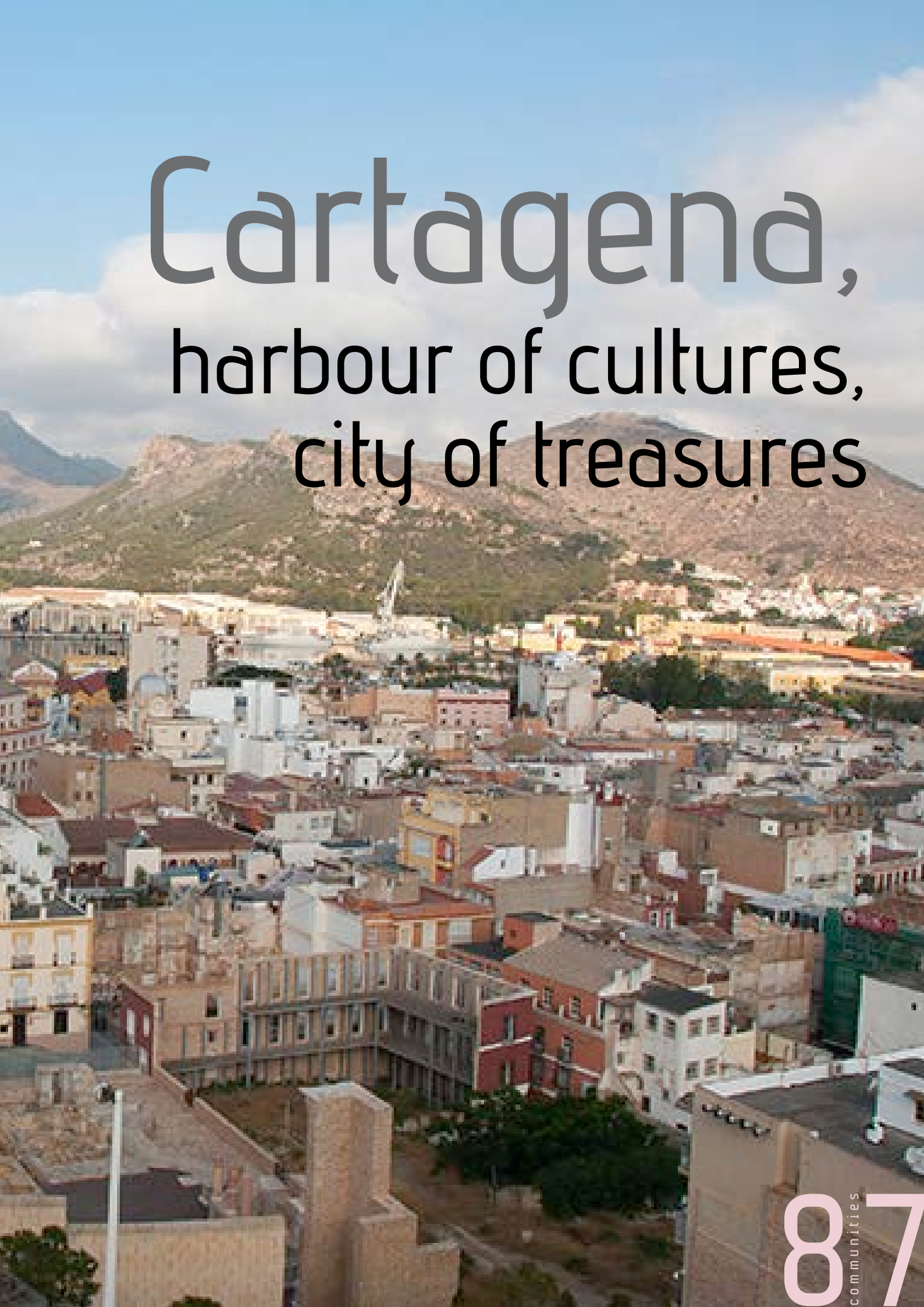
For other stories on waste and recycling of various materials, visit:

http://www.asa-group.com/en/A-S-A-Group/Waste-to-Resource.asa

Communities



Cartagena,
harbour of cultures, city of treasures





Cartagena Harbour is one of the key drivers of the region's economy.

It's just necessary to investigate the past and study the history of Carthage to realise that this city of Murcia is a reference worldwide. Its 2,500 years of history, 25 centuries of life, have witnessed the passing of nearly all the cultures born in the Mediterranean.

Cartagena is a journey through time; it about lingering in the past, its architectural jewels; sun and beach; fields, culture fiestas and festivals; leisure, gastronomy, modernity, and future; and each of its secluded spots bear witness to its impressive historical, artistic, and archaeological heritage.

Cartagena is the Roman Theatre and its contemporary buildings, the remains of the Carthaginian culture, the walls and the fortresses that protect its harbour, the spot where one can sense its modernism

Refurbished modernist façades are found in the city's historic district, now only for pedestrians.





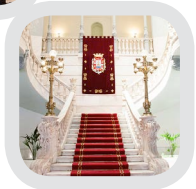












through its buildings, fruit of the artistic current at the end of the 19th and the beginning of the 20th centuries, with the recovered façades of the city's historic district that has been converted into streets just for pedestrians.

Some medieval footprints still remain in the city, such as the Concepción Castle, in Parque Torres, where the Centre for the Interpretation of History of Cartagena is located but which remains a Roman Theatre the most important of the city's landmarks. Built during the age of Emperor Augustus and restored by the architect Rafael Moneo, it has been able to combine the past with the future.

The quality of its beaches, recognised by the European Union as of very high quality, is also another attraction that guarantees a stream of tourists. The efforts made for the conservation and care of the sea shore have been compensated with a 12Q quality rating granted by the Institute of Spanish Tourism Quality in addition to eight blue flags awarded by the European Unión Foundation for Environmental Education. Safety and surveillance are other confidence factors associated with the coast of Cartagena.

Cartagena was awarded the distinction of being the most sustainable city in Spain by the Environmental Forum Foundation after the city's historic district was closed to traffic and are now for pedestrians, bi-



cycles and public transport, a recognition that is a source of pride for all of the city's residents. It was also awarded the Grand Europa Nostra Prize for excellence in the conservation of its heritage as well as the National Restoration Prize for the Roman Forum District archaeological site formed by two buildings owned by a semi-public corporation; the baths and the atrium building for religious banquets.

> "The auditorium is made with a plastic produced in Cartagena and polycarbonate is used for the first time ever in façades which change colours throughout the day"

Cartagena has been reaping success and growing in all sectors. The city's mayor explained that the model was changed and the city which previously had just one type of industry to one with a diversified economy. This municipal area lives from industry, agriculture and tourism; not sun and beaches, but linguistic tourism since the Instituto Cervantes has certified the city's Spanish language classes for foreigners. There is also cultural tourism. The city made investments to recover its historic heritage in maximum quality architectural projects and this is becoming a strong source of revenues for the city. There is also tourism associated with conventions and congresses and also festivals such as Mar de Música, a jazz festival, a film festival, and cultural tourism.

Cartagena has reasons to be proud of being a city, since few have had the fortune of having renowned architects such as Rafael Moneo who refurbished the roman Theatre; Guillermo Vázquez Consuegra responsible for the Subaquatic Archaeological Museum; Martín Lárraga who refurbished the Carlos III Hospital; José María Torres Nadal who restored the city's walls; Selgas and Canos who built the auditorium and the convention hall and received an award during the 12th Spanish Architecture and Urbanism Biennial; or the Madrid architect firm of Atxu Amann, Andrés Cánovas and Nicolás Maruri responsible for the roof of the Molinete Archaeological Park.







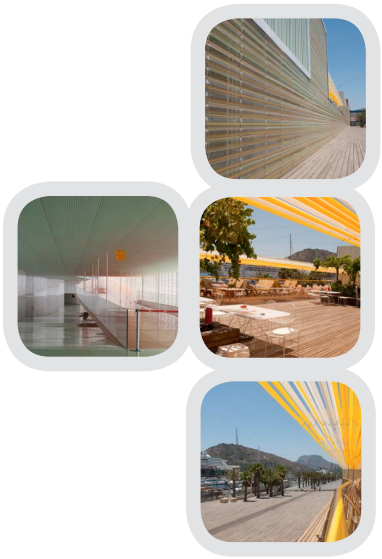
Cartagena's Auditorium and Convention Hall. Its location near the harbour and the sea inspired its design.

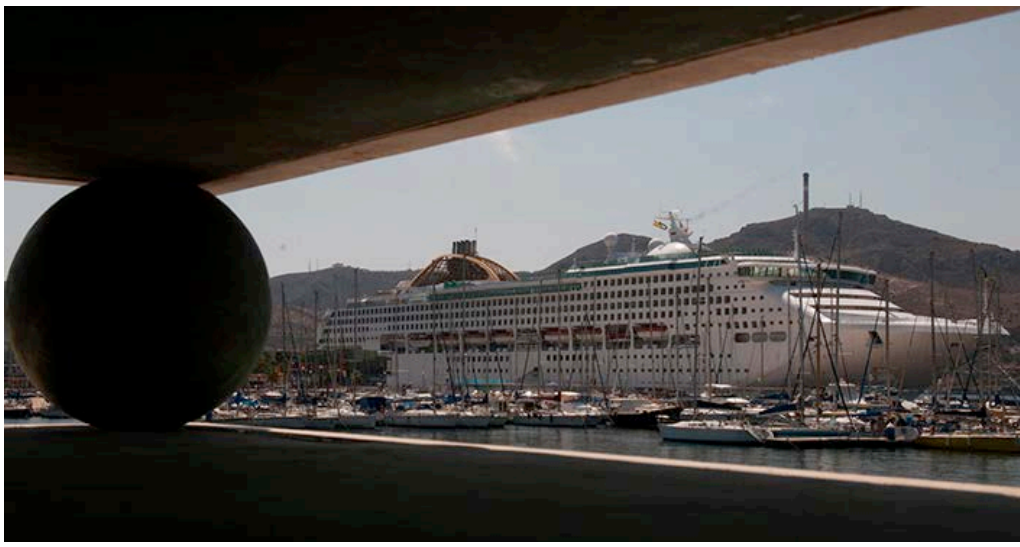
The city has also had the courage to experiment with new materials for the recovery of its thousand years old historic heritage as well as for the construction of new contemporary buildings, such as those used to build the new convention hall, the prestigious Batel, which was designed with innovative materials that were used for the first time in the exterior walls of a building thanks to which, its interior is very luminous and light.

The number of tourists who visit Cartagena increased for yet another year in comparison with the previous one. Nearly 190,000 visitors came last summer to discover this city whose name is the epitome of the Mediterranean.

The exhibit on the Treasure of the Nuestra Señora de las Mercedes frigate will be inaugurated shortly, a collection of 17 tonnes of silver and gold coins recovered from the bottom of the sea and transport by this Spanish vessel that was attacked by English pirates.

The half million coins were minted in Peru and represent one of the most important treasures ever recovered from the ocean. It is not the only treasure, however, since the city is full of them. Cartagena is a city that never ceases to surprise us. A few weeks ago, investigators from the Sub-Aquatic Archaeological National Museum discovered a Roman ship dating back to the end of the 4th or the beginning of the 5th century at the bottom of the harbour and another one that sank at the end of the 18th century.





The widespread presence of cruise ships at Cartagena Harbour is becoming increasingly more frequent.



Pilar Barreiro Álvarez

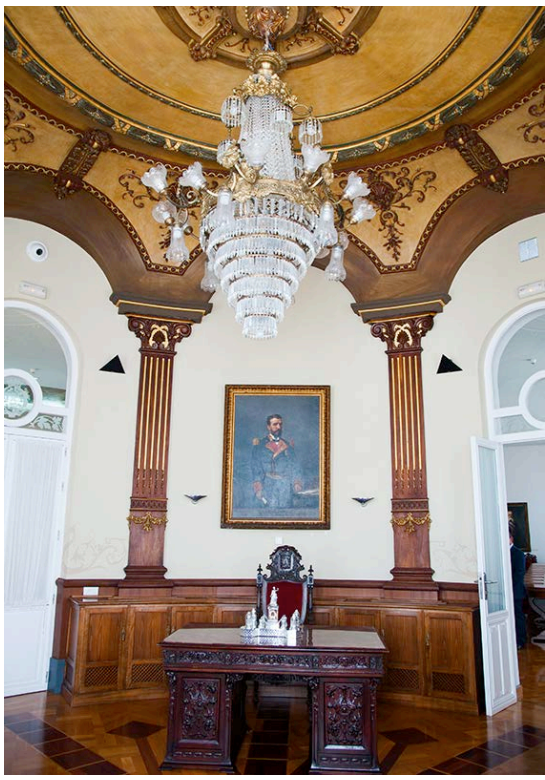
Mayor of Cartagena since 1995

> “Sustainable mobility is always born in mind to improve access and the lives of citizens”

Cartagena today is a prosperous and trail-blazing city and Pilar Barreiro Álvarez has been at the helm of its government since 1995, the year in which she became the first woman and top political authority f the municipal administration, at the forefront of Cartagena’s City Council. Since then, day after day, she has been safeguarding the welfare of her city and of its residents.

Question: For her, it has been a privilege and pride to govern the city over the past 18 years. How do you feel about this and what is the key for maintaining over all these years the confidence of the city’s residents?

Answer: I feel enormous satisfaction, but even more so when we are close to elections since everyone talks about representation and the real democratic represen-





tation is that of mayors who present their candidacies every four years.

I think that having a project is the key. I have had a project for this city since the beginning and everyone has known and understood this from the start. You should not leave the road that you have taken and should achieve such an objective. I also think that since Cartagena is a medium-size city, nobody is surprised when they see the city's mayor at the supermarket or drinking a cup of coffee and I think this is something that the city's residents appreciate.

> "Two key projects: Decentralisation and the city's project"

What significant projects have been carried out?

We have executed very important projects. We have recovered the city's heritage and have made that heritage a very significant part of an economic sector such as tourism. We have also decentralised the City Council. In the Autonomous Community of Murcia there are only 45 cities and towns; this city covers an area of 500 km^2. They are very large municipalities with very large populations.

For example, Cartagena has a population of 220,000 but many urban and rural population centres with 2,000 and 3,000 inhabitants, many more than other city councils in Spain. What we have done is to decentralised, that is, any citizen who lives in any a municipality can go to the decentralised offices of the City Council for administrative processes and as to democratic participation, the municipality is divided into districts each with their neighbourhood local government offices formed by the neighbours who decide their own budget.

Each councilman also has a sector of the municipality under his direct responsibility and therefore, people have realised that their needs are covered almost immediately and if not, they can go to responsible party from their neighbourhood office, generally local people who volunteer for that post, plus a councilman who is the one who can be found at this representative office.

How would you like to see the Cartagena of the future, how can you imagine it

I would like it to be what it is now. It is a very pleasant city for living and for visiting. And I would also like to see the entire urban centre to be recovered since many of us what it to be accessible, habitable and pleasant downtown district, not just a centre that closes when tourism activities are over and just disappears and closes. We have had to work had on making it a pedestrian zone, with bicycle lanes, and also on recovering the 19th century building façades which was an important project. Recovering the city for pedestrian traffic was a challenge for me and it required a lot of work and efforts.

FCC in Cartagena

FCC's presence in Cartagena dates back to 1981 with the historical Construcciones y Contratas where we started to provide waste collection and street cleaning services in several municipalities.

In the mid-1980s, this service was consolidated and expanded to the remaining parts of the municipality (city and neighbourhoods) and, also at that time, the company started to manage the urban waste recycling centre and the landfill site.

In 1990, the company was awarded a contract for cleaning schools and in the mid 90s, the joint venture, Lhicarsa, whose partners are the Cartagena City Council and FCC was founded. This company is in charge of street cleaning, waste collection, and waste treatment.

In 1996, the company won a contract for cleaning municipal buildings and in 2002; it won another contract for park and garden maintenance and upkeep. In 2006 and 2007, it was awarded a contract for managing the city's eco-parks.

The services provided to the city of Cartagena are consolidating and are currently being expanded.

I imagine Cartagena as a Mediterranean city with a very colonial atmosphere.

I imagine that the arrival of the high speed train, the AVE, will be a great growth driver for the city, is this going to be the case?

The arrival of the AVE to the city and to the airport is absolutely essential and we are working on this. I think that we will have it very soon.

Or which project are you the most proud?

I am proud of many projects: some major and other smaller ones. For example, I feel proud of the auditorium, but I also feel proud of having created small public spaces with children's playgrounds. I remember that we my kids were young there weren't any swings and now there are many throughout all parts of the city.

Many smart city projects focus on regenerating existing neighbourhoods to reactivate social life, develop non-built parts of the city, or even new cities. Does Cartagena have any project along these lines?

We have launched a project, the entrepreneur's neighbourhood at the university district for all of those who want to start a business. This is part of what is considered a Smart City in order to make neighbourhoods more habitable and drive their economy based on innovation and technology. It was a deprived neighbourhood; we raised it entirely and built a new one with the design of an older neighbourhood but the comfort of modern homes.

Watch vídeo







Above, Cartagena's City Council. In the centre, the Cim Gardens. At the bottom, the Molinete Archaeological Park.