# Communication Network

News for the people of FCC

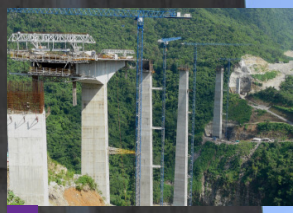
ISSUE 09
September October 2011

We inaugurate our new corporate website

FCC hands out the Occupational Risk Prevention prizes

# DESPEÑAPERROS

## A project, a team, and a job well done



The 2nd highest viaduct in the world in San Marcos (Mexico) bears FCC's signature

Flightcare handles flight carrying disabled Dutch citizens

.A.S.A., a truly exemplary company in the business fibre of Graz, Austria

EXPOSICIÓN

# FCC Y LA RED DE ALCANTARILLADO DE BARCELONA, 1911-2011

# 100 AÑOS

# AL SERVICIO DE LA CIUDAD

Sala Ciutat 7 de noviembre de 2011 - 8 de enero 2012
C/ Ciutat, 2 (junto al Ayuntamieto) 08002 Barcelona

Carro hermético "Patentada", descargando residuos en la embarcación gánguil en el puerto de Barcelona.

1916

Los imbornales y las tapas del alcantarillado son las puertas al subsuelo de la ciudad, un mundo desconocido por la mayoría.

1967

1970

Hasta la década de 1970 el trabajo en las alcantarillas fue sobre todo manual, hasta que se mecanizó el servicio.

1913

En Barcelona hay cerca de 2.000 tipos de secciones de alcantarillas, en función de las necesidades hidráulicas del subsuelo.

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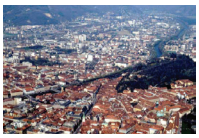

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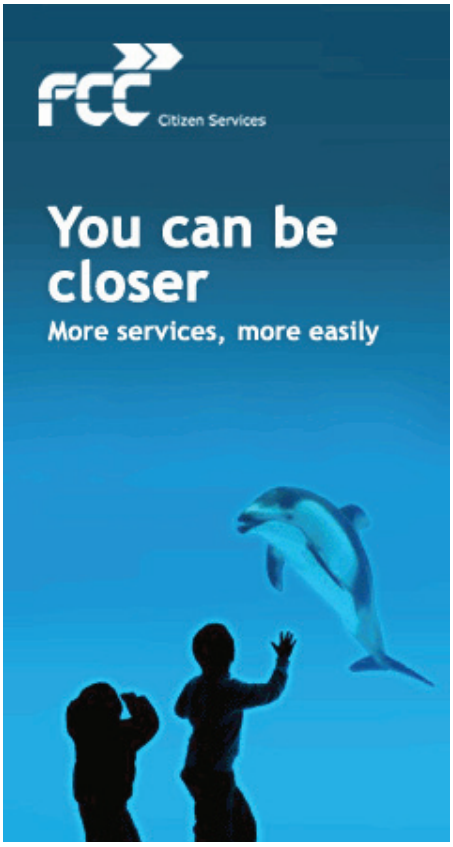



# We inaugurate corporate website, a new communications commitment

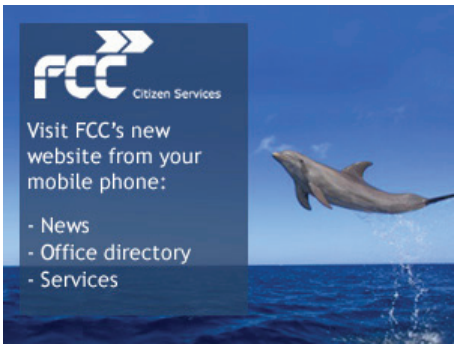
We present the new FCC Group website (www.fcc.es), a new virtual space open to dialogue and designed with users in mind. The new website, more modern and dynamic than the previous one, makes navigation easier and more intuitive, according to the target public and activities, and is highly interactive.

> "A new virtual space open to dialogue and designed with users in mind"

The company thus renews its presence in Internet, takes advantage of its positioning in the Citizen Services industry, and breaks down its activity into three areas: Infrastructures, Citizen Services, and Energy. This positioning goes hand in hand with the change in the corporate identity and brand, both of which are also present in the website.

Besides reflecting this new approach, the revamped website aims to standardise FCC Group's presence in Internet by unifying the message and the user's experience through out the various websites; improving contents management and optimising efforts thanks to a single technological platform for all the websites.

The Group wagers on responsible perfor-

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mance by being close to its employees, shareholders, clients, and the overall community, all of which requires a great commitment to communication as reflected in the new website.

## Three vertical portals

The new corporate website is divided into the three above-mentioned portals, a press room and, in the future, each of the websites that will be migrating to the new technological platform. This will not only improve the user's experience but will also generate navigation throughout the various Group websites.

Available in Spanish and in English, the websites includes a news section and a new press room for the entire group integrated with the new corporate image.

A new section was also developed for suppliers which details the new procurement, orders, and billing model through the Ariba platform, the assessment of suppliers and the responsibility principles that govern the Company and which all suppliers must abide by.

The Group is also working on updating the corporate Intranet to enhance the Company's message to employees and the interaction among employees, generating a collaborative environment thanks to work communities to ensure the efficient management of knowledge within the company and to improve the efficiency of in-house processes.

> "The objective is to standardise FCC Group's Internet presence by unifying its message."

Antonio Llardén, CEO of Enagas; Florentino Pérez, CEO of ACS; Carmen Cagiga, director of Cepsa's Corporate Affairs; Borja Prado, CEO of Endesa; José Luis López de Silanes, CEO of CHL; Antonio Brufau, CEO of Repsol; Baldomero Falcones, CEO and chairman of FCC; Salvador Gabarro, CEO of Gas Natural Fenosa.

# Foundation for Energy and Environmental Sustainability

## FCC and other sector companies create this research and analysis centre

FCC Energía, Fundación ACS, Cepsa, CLH, Enagas, Endesa, Gas Natural Fenosa and Fundación Repsol have created the Foundation for Sustainable Energy and Environment, a centre for the investigation and analysis of energy-related economic, environmental, and social aspects.

With its headquarters in Barcelona, the new foundation will conduct studies and promote research on the following subjects based on an international perspective.

- Energy and environmental policies for sustainable development: including studies to evaluate policies aimed at maintaining environmentally friendly economic development and competitiveness in the Spanish energy market, considering its dependency on foreign sources.

- Energy and energy markets: studies on the deregulation and creation of supranational energy markets and the harmonisation of standards, incorporating new generation technologies and transport and distribution networks.

- Energy technologies and the promotion of R+D+i: investigate how to seize new opportunities in the sector arising from the transition process to low carbon technologies, promoting a program adapted to the Spanish business fabric.

The importance of the energy sector in the competitiveness of our economy, the development and implementation of the necessary technological changes, particularly in terms of energy savings and efficiency, deregulation processes, the presence of Spanish energy companies in international markets and, lastly the political commitment to sustainable development, makes it necessary to have an organization committed to rigorous analysis and scientific knowledge that exerts an international influence. The objective of the Foundation for Sustainable Energy and Environmental is to address these issues and to become a reference Spanish institution.

The entity will round up its activities with information measures, generating debate and creating public opinion among decision-making public and private entities.

# Collaboration with the Red Cross for incorporating women victims of gender violence in the workforce

Leopoldo Pérez Suárez, General Secretary of the Spanish Red Cross, and Francisco Martín Monteagudo, General Director of Human Resources at FCC, have signed a cooperation agreement to promote labour insertion for female victims of domestic violence.

Under this 1-year agreement, which can be extended, both entities will coordinate and establish a joint framework for cooperation and actions to facilitate labour market access to women at risk of social exclusion, especially women who have been or are currently victims of domestic violence.

This commitment will be implemented primarily through the following actions:

- Job brokering, focused on pre-selection of candidates to fill vacancies in FCC's business areas.
- Skills training, to improve employability.
- Raising FCC employees' awareness about domestic violence.

This agreement represents yet another step in helping these women join the workforce, since a job is much more than a source of income for them: it is a move towards personal autonomy and psycho-social recovery.

This agreement is in keeping FCC's firm commitment to social and labour insertion of groups at risk of social exclusion, particularly women who are victims of gender violence. Along these lines, the company has also established an agreement with the Ministry of Health, Social Policy and Equality to this same end.

Additionally, several Group companies have signed various Equality Plans with a view to enhancing diversity and equal opportunities for women at FCC.

FCC Servicios Ciudadanos

Cruz Roja

# FCC, wins award for its advertising and creative strategy

The magazine Capital and the online newspaper lainformación.com picked FCC's ad "We finally understood a badly-written text" as the winner in the graphics category at an event organized for the magazine's communication awards and "i" prize for Digital Communication organized by the online newspaper at the second edition of this award. The panel of judges was particularly impressed with the creativity, language and new approach of this ad, part of the company's active "We're doing this together campaign" as part of its strategy to bring the FCC brand closer to the public.

The prizes were given out an event held at the Pavilion of the Cecilio Rodríguez gardens at the El Retiro park. Juan Pablo Merino, Director of Corporate Marketing and Brand collected the prize. Merino explained that the global We're doing this together campaign aims to break away from the traditional format in which a brand issues a message and the consumer receives it, developing a new scenario where the citizen plays the leading role and feels part of the activities carried out by FCC".

The "We finally understood a badly-written text" ad was one of the winners because, as explained by the members of the panel of judges, "we were very impressed with the innovative language: the absent letters reminds us of SMS and almost immediately attracts the attention of the public".

Other winners included leading companies such as Gas Natural. Adidas, VW, Viajes el Corte Inglés, Mercedes, Hyundai, Coca Cola, Accenture, Repsol, Vueling, La Caixa, Loewe, and Endesa.

# Avelino Acero receives the Golden Apple Award from the Asturian Centre of Madrid

Avelino Acero Díaz, General Manager of FCC Construction, has received the Golden Apple Award, the highest distinction granted by the Asturian Centre of Madrid. The award was presented by Valentín Martínez Otero, the Centre's Deputy Chairman, and by Francisco Rodríguez García, Chairman of the Asturian Centre Board and Chairman of Industrias Lácteas Asturianas.

Highest award granted by the regional entity in the capital to its citizens as recognition of their professional careers abroad. Avelino Acero expressed his gratitude for the award and his "sincere affection for all things Asturian." In his acceptance speech, he shared many memories of his youth in Asturias and paid homage to Asturian emigrants.

Avelino Acero, a civil engineer, has been Head of Railway and Metro Projects throughout his 25 years at FCC.

He joined Corsan after graduating from the University of Madrid in 1971. He transferred to FCC in 1986. Under his management, the company has undertaken a range of railway projects including high-speed rail infrastructure and construction, upgrading and widening of conventional railway lines, large station construction and, in particular, construction of new subway lines as part of the Metro de Madrid expansion project. He also participated in the construction of the Pajares rail bypass, which he has described as "the most important project of my life.

Avelino Acero managed FCC's construction of 350 kilometres of high-speed railway (including 112 kilometres of tunnels), 75 kilometres of underground (primarily in Madrid), and the last four big stations built in Spain: the AVE high-speed rail stations in Seville (Santa Justa), Madrid (Atocha) and Zaragoza (Delicias), and the commuter train station in Puerta del Sol (Madrid), inaugurated last June.

Acero has been recognised for his work on significant engineering projects, including the construction of the Guadarrama tunnels on the high-speed railway line to northern and northwestern Spain, and the extension of Line 3 of Madrid Metro. He is a member of many professional bodies.

He is a member and the Vice-Chairman of the Spanish Tunnels and Underground Works Association (AETOS).

He has lectured at a number of universities, including Madrid School of Civil Engineering and School of Architecture.

He is a member of the Academic Council for the Master's Programme in Tunnels and Underground Engineering sponsored by the School of Civil Engineering, Madrid Polytechnic University and the Spanish Tunnels and Underground Works Association

# José Manuel Velasco, wins the Antena de Oro Award

The Spanish Federation of Radio and Television Associations announced the winners of the "Antenas de Oro". Created in 1962, the Federation gives these awards each year to those professionals who stand out in the field of audiovisual and radio communication. In this edition, an Extraordinary Antena de Oro was awarded to Jose Manuel Velasco, head of FCC's Communication and Corporate Responsibility and chairman of the Association of Communication Executives (Spanish acronym DIRCOM). The prize was awarded for his professional career in the world of information and for the corporate relationship with television and radio stations. The other three Extraordinary Antena de Oro awards were given to

Marta Robles, radio and TV anchorwoman; María Dolores de Cospedal, president of the Castile-La Mancha Autonomous Community; and to the alumni of Radio Juventud de España which represents an excellent reserve of great professionals.

Other award-winners in this twenty-fourth edition of the Antenas de Oro included María Casado (TVE); Manolo Lama (COPE); José Antonio Abellán (Punto Radio); Juan Ramón Lucas (RNE); Carlos Sobera (Antena 3); María Casado (TVE); Marta Reyero (Cuatro), and Christian Gálvez (Tele 5, Pasapalabra).

The Antena de Oro awards, the most famous in the communication sector in Spain, reward the work of communication professionals.

## Receives award as the best professional of the year in the communications industry

José Manuel Velasco was selected by the Spanish Association of Periodical Publication Editors (Spanish acronym AEEPP) as the best professional of the year in the field of communication.

Arsenio Escolar, chairman of AEEPP and director of the program 20 minutes chaired the event that was held at the Real Casa de Correos, the head office of the regional government, with the presence of Ignacio González, vice-president of the Madrid Autonomous Community.

# Check your payroll slip by clicking on the Employee Services icon at the Employee Portal

You can now download your payroll slips by clicking on the Employee Services icon at the Company's Intranet, Employee Portal tab.

This information was moved to Employee services to make access easier. From this location, you can perform the operations that were previously available, such as checking and amending your personal and academic data, and updating your Curriculum Vitae.

This is just one of the minor improvements at the company-employee communications channel which will gradually incorporate new functionalities and services.

http://fccnet/emp/ES/Paginas/default.aspx

# FCC wins contract to build hospital complex in Panama

> "The project represents an investment of 440 million Euro."

Panama's situation as FCC's business hub for Latin America has been further strengthened by a contract awarded by the Panamanian government for the design, site development, construction, financing and outfitting of the Ciudad Hospitalaria de Panamá; the contract is worth 587 million dollars (close to 440 million euro).

Panama's Social Security Administration, which organised the tender, chose FCC from among nine international consortia involving companies from four countries: Panama, Brazil, Spain and Korea. The Hospital Complex will be built on a 31.9 hectare site in the western zone of the capital city of this Central American country.

The 209,000 square metre complex will include 49 operating rooms and 1,709 beds. The complex will house such medical specialities as paediatrics, cardiology, internal medicine, ob-gyn, operating rooms, outpatient services, a day hospital, several specialised physical therapy centres, and an in-patient facility, among others. According to the Social Security Administration, this will be the most modern healthcare facili-

## Regional leading player with a backlog of nearly 2.3 billion Euros

The Panama Hospital Complex contract is another milestone in the internationalisation strategy of FCC, whose majority shareholder is Esther Koplowitz. In the words of Baldomero Falcones, Chairman and CEO of FCC, this project "ratifies the company's move into Panama, a stable country experiencing steady growth and with an ambitious modernisation programme based on infrastructure investment". With this hospital, FCC has 2.3 billion euro worth of projects under development or awarded in Panama

The company's most emblematic project in Panama is the construction of the region's first metro line, which will traverse Panama City. Additionally, last year the Panama Canal Authority awarded FCC the contract to build a new access channel from the Pacific as part of the project to build the third set of locks at Miraflores.

Another project is the construction of the Bajo Frío dam in the Chiriqui province near the border with Costa Rica between the townships of Breñón and Santa Cruz in the Renacimiento district, and Gómez, in the Bugaba district in Panama. The aim of the hydraulic project is to take advantage of the waterfalls at the Chiriqui Viejo River which originates near the volcano Baru, at a height of 3,500 meters. The dam is expected to produce 58 MW of power.

FCCs Construction's other projects in Panama include the design, construction and environmental impact surveys for the freeways leading to the second bridge over the Panama Canal; various road upgrade, maintenance and widening projects; and the clean-up of Panama Bay.

In March, Panama's Health Ministry awarded FCC Construction a 92.7 million euro contract to design, build, equip and finance the Luis Chicho Fábrega Hospital near Santiago, the capital of Veraguas province. Financing for the project was completed at the end of August.

ty in Central America. The local authorities estimate the facility will provide care to a population of 1.5 million people.

Taller de Arquitectura Sánchez Horneros (TASH), the Spanish architecture firm which designed the project, focused especially on the environmental and weather conditions of the area, "adapting the design to the country's climate." The complex will be built to withstand tropical rain storms, with solar protection, and the buildings will be oriented according to the prevailing winds.

This is a turnkey project, that is, FCC will undertake the design, obtain permits, develop the site, conduct environmental impact studies, and build, finance and outfit the complex, with final delivery to Panama's Social Security Administration scheduled within 36 months.

# ALPINE finishes drilling the Pinglu tunnel in China

FCC's Austrian subsidiary has completed drilling the longest tunnel in the world in China using a single tunnel boring machine. After 5 years of intense work, Alpine completed drilling the 24-kilometer tunnel with a diameter of 4.2 meters through rugged terrain in China. The tunnel will ensure water supply to the Daton, Shouzhou and Pinglu that suffer from a serious shortage of water resources. Tunnel drilling operations are part of the "Yellow River Transfer Project" worth an investment of 50 million euro.

Construction of the tunnel involved the use of 85,000 concrete segments, prefabricated at the site. More than 400 local workers participated in the drilling operations.

## Since 1997, ALPINE has been taking part in the Yellow River Transfer Project

Since 1997, Alpine has working on several pumping projects for the Yellow River Transfer Project. The water from the river must be pumped 264 meters over the river's normal water level before it can flow a distance of 167 kilometres to the driest regions of the Chinese Shanxi province.

Between 1997 and 2001, FCC's Austria subsidiary has built two large-capacity pumping stations for this purpose.

# Bologna chooses Cemusa to revamp the city's image

This agreement contemplates the installation and operation of over 425 outdoor communication panels in various formats during a period of at least nine years. These panels will be installed throughout the city including the historic district and the major roadways.

CEMUSA thereby contributes to the plan devised by Bologna City Hall which aims to revamp the city's look by harmonising the different types of advertising formats and reorganising outdoor communications.

This operation has enabled CEMUSA to optimize the commercial value of each of the available locations, placing at the disposal of its clients a unique and highly visible solution that ensures unsurpassable advertising coverage throughout the city, including the historic centre, of the best kept in all of Europe.

Bologna's citizens and visitors will also enjoy a communications vehicle that improves the street furniture and fulfils the city's urban design expectations.

According to Eric Marotel, the Managing Director of the Group, "this agreement represents a major boost to the consolidation of city furniture in Italy as a communication format that is increasingly appreciated by the community owing to its valuable contribution to a city's revamped image".

## Since 2005

Thanks to CEMUSA, since 2005 Bologna has been enjoying street elements that comply with the highest quality standards and boas top-level design created by King & Miranda, one of the most internationally successful industrial design studios.

Capital of the Emilia-Romagna north Italian region, Bologna is a vibrant university city with an intense cultural, economic, and intellectual life that has succeeded in combining tradition with the modernity.

In addition, thanks to its geographic location, it has evolved into a major communications hub in northern Italy and is the home of several major mechanical, electronics, and food industries.

This wealth and economic importance has made it one of cities in Italy most sought-after by advertisers.

# The Hadleigh site achieves a 90% recycling rate

JUST over 90% of waste taken to a Suffolk centre was recycled last month - saving over £20,000 in disposal costs.

WRG employees at the Hadleigh recycling facilities help a citizen recycle garden waste.

## A significant contribution

Thrown-away find new homes all over the country and abroad. Re-useable items, including bikes and furniture, are donated to local charities; garden waste is composted locally, wood is turned into animal bedding while glass is either turned into new bottles and jars or broken down into aggregates for road building.

Textiles, including clothes, shoes, bedding and even cuddly toys, are re-used wherever possible, but anything which is too stained or torn is shredded and used as rags or as filling for mattresses and similar products.

Recycling rates at Suffolk's other HWRCs for September were: Haverhill 75%; Leiston 77%; Lowestoft 78%; Mildenhall 79%; Sudbury and Ipswich 81%; Felixstowe 82%; Stowmarket, Foxhall and Bury St Edmunds 85%.

This contributes significantly to Suffolk's overall recycling rate for household waste, which at over 50% is among the best in the country. The aim is 60% by 2015.

The equivalent of over 13,000 containers of rubbish was taken to Hadleigh Household Waste Recycling Centre in September, but instead of ending up in landfill, the majority was re-used, recycled or composted. The Hadleigh site is one of 11 centres run by Waste Recycling Group (WRG), on behalf of Suffolk County Council. Visitors are encouraged to separate their waste and recycle as much as possible.

Lisa Chambers, portfolio holder for waste with Suffolk County Council, said: "This is an amazing achievement and the first time a Suffolk centre has reached such a high recycling rate. I would like to thank those visiting the site for taking the trouble to sort their waste, and the staff for making sure everything went in the right bins. It just shows what can be achieved".

"In today's throw-away society, it is good to see so much being re-used and recycled. There are financial benefits too – if all of this waste had gone to landfill, it would have cost at least £20,000 in disposal costs."

Mike Snell, Head of External Affairs for WRG, commented: "Recycling centres such as the one at Hadleigh are very important in helping everyone to extract the maximum value from the resources that are locked up in the waste that we all produce. The 90% recycling rate is a reflection of the real efforts people are making to divert valuable resources from landfill. The expertise we have in managing HWRCs led to our introducing the changes we have made to the service since taking over the Suffolk contract, and we're delighted that we have exceeded the Council's expectations."

From left to right at the Aqualia stand: Carlos Masssa, General Director of Acuamed; Marta Morén, the Ministry's General Director of Water , Susanna Floth, director of Aqualia Infraestructura's Asia-Pacific Division; Ángel García, from Aqualia's Marketing and Communication Department; Josep Puxeu, Secretary of State for Rural and Marine Affairs; and Bartolomé Marín, head of Aqualia Infraestructura's Desalination Department.

# IDA World Congress 2011 inaugurated in Perth, Australia

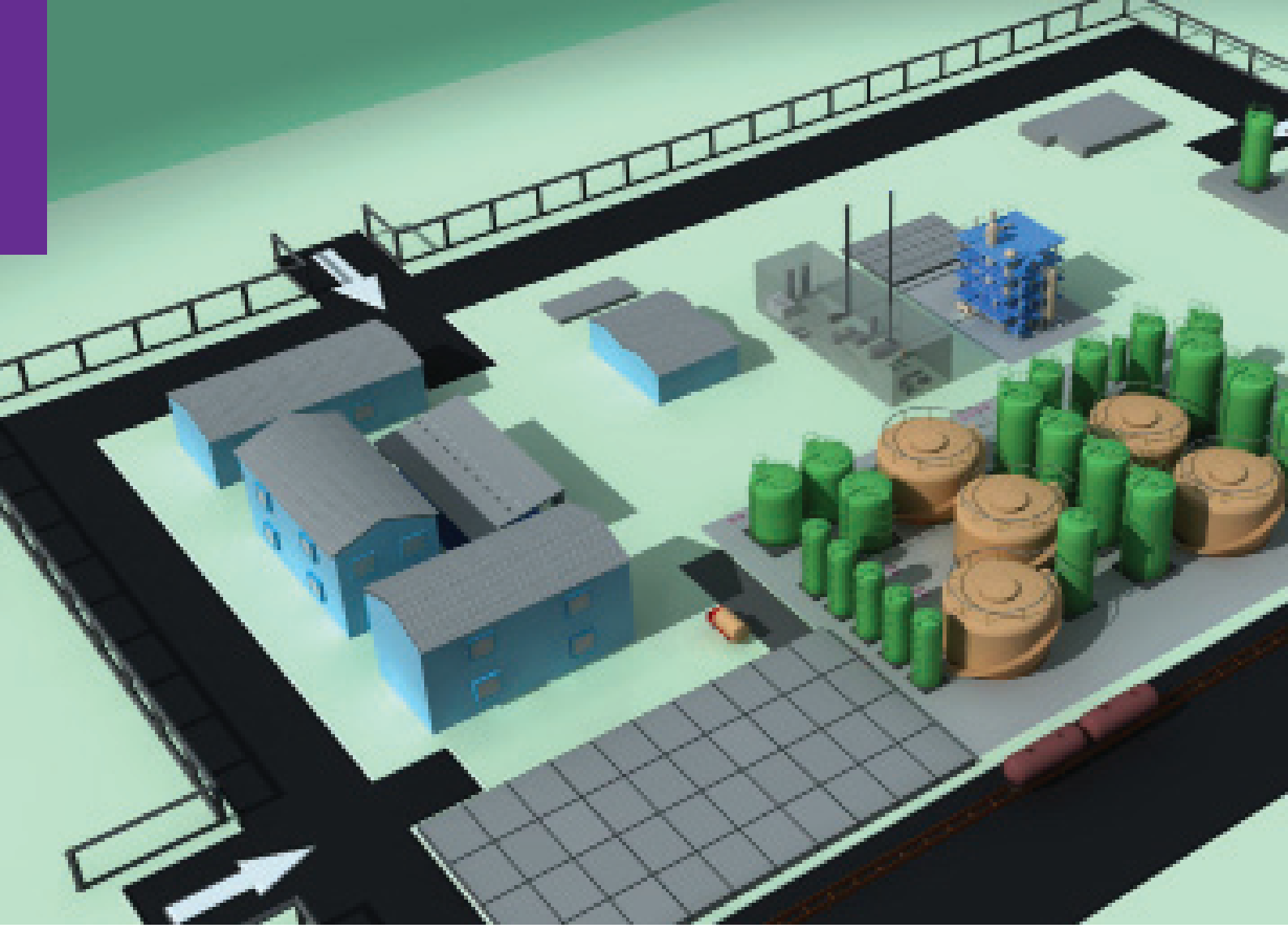
## World Desalination Congress

The Minister of Water and the Environment of Western Australia, and the Secretary of State for Rural and Marine Affairs of the Government of Spain participated in this event.

The Minister of Water and the Environment of Western Australia officially inaugurated the IDA World Congress 2011, held this year in the city of Perth in the western part of the country, continuing with the tradition of the previous congress that was held in Dubai in 2009. During the inauguration ceremony, the hosts reminded everyone of the importance of desalination in a country such as Australia and its special relevance in the state of Western Australia.

A large group of representatives from the Spanish Ministry of Environment, Rural and Marine Affairs attended the event, headed by the Secretary of State for Rural and Water Affairs, Josep Puxeu. The delegation toured the exhibition hall where a large number of Spanish companies participated. Various presentations were organized at the Acuamed stand on the Spanish experience with desalination plants in the Mediterranean. Aqualia spoke on the construction of the Bajo Almanzora facilities.

Susana Floth, the Director of Aqualia Infraestructuras Asia-Pacific division; the head of the Desalination Department, Bartolomé Marín; and Ángel García of Aqualia's Marketing and Communications department, were at the Aqualia stand to welcome the Secretary of State, the Ministry's General Director of Water, and the General Director of Acuamed.



# FCC to build the first base lube

FCC has gone one step further in its commitment to collect and treat used oil in the US. Its US subsidiary, FCC Environmental, will spend 50 million dollars (around 35 million euro) to build its first motor oil recycling plant. FCC plans to build several of these plants in the United States.

This facility, which will be located in Baltimore (Maryland), is part of FCC Group's international expansion strategy, which includes development of the environmental services business in the US. These plans will be reinforced by what will be the first recycling plant for this type of oil on the east coast of the US.

The facility will be situated in an already industrialised site, previously used as an asphalt terminal. The site is easily accessible to Interstate highways as well as capable of handling both rail and barge shipments.

"The U.S. lube oil industry has accepted re-refined base stock when it is of consistent quality, reliably supplied and competitively priced," said Kenneth Cherry, executive vice president and general manager of FCC Environmental. "The Baltimore recycling facility will produce several cuts of base lube, as well as other high value co-products."

The base oil obtained as a result of refining and recycling used oil at the new FCC Environmental plant in Baltimore will be sold and transported off-site via trucks and rail to be processed into diesel motor oils, transmission fluids and other lubricating products that meet or exceed industry standards and specifications. The finished product will be returned to its original state, once the additive packages are blended offsite, as crank-

## 60 years' of successful operations in Maryland

"FCC Environmental has operated successfully in Maryland for more than 60 years," said Vince Glorioso, vice president of FCC Environmental and who will be responsible for the operating entity running the Baltimore plant. "The location provides a logistical advantage with respect to delivery of the used motor oil to the facility, as FCC Environmental already has a major presence in the area. We collect used motor oils and provide other similar services throughout the mid-Atlantic region, so we already have a sizeable volume of feedstock." The company anticipates breaking ground on the facility in mid 2012, following the issuance of State of Maryland and City of Baltimore environmental and construction permits, and the plant is scheduled to be operational by mid 2013.

### About FCC Environmental

FCC Environmental provides recycling services for the automotive, commercial and industrial sectors of the U.S. economy. Its service offerings include used oil collection and processing, collection and recycling of used oil filters and anti-freeze, parts cleaner supply and recovery, plus field service activity and emergency response capabilities to support the requirements of its customers.

Headquartered in Houston, FCC Environmental has maintained a regional office and operation in Baltimore since 1950. It has 38 branches and terminals throughout an 18 state operation, serving over 30,000 customer locations. It is a wholly owned subsidiary of FCC, one of the world's largest environmental service providers. With more than 90,000 employees operating in over 50 countries, FCC has the financial capability and leadership to allow its US subsidiary FCC Environmental to expand its service offerings.

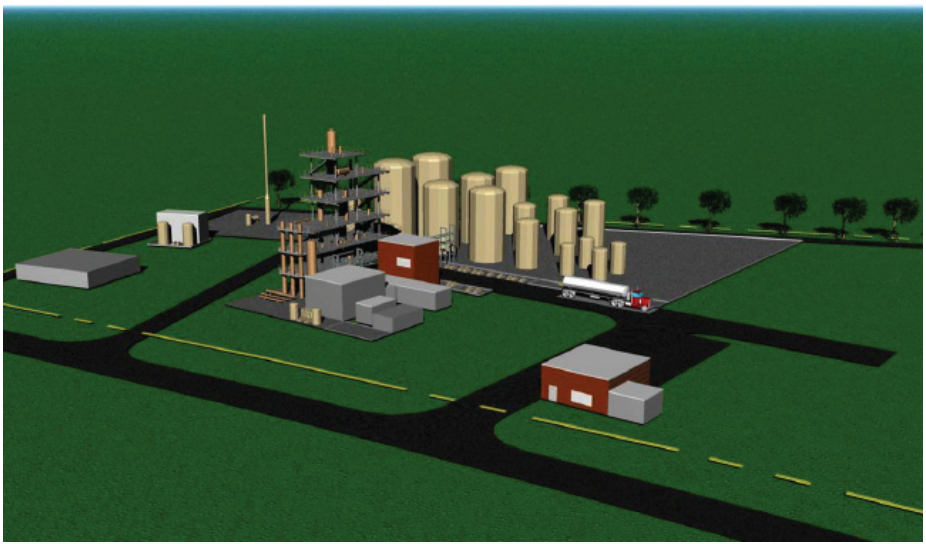
Further information:
www.fccenvironmental.com.

# recycling plant in the U.S.

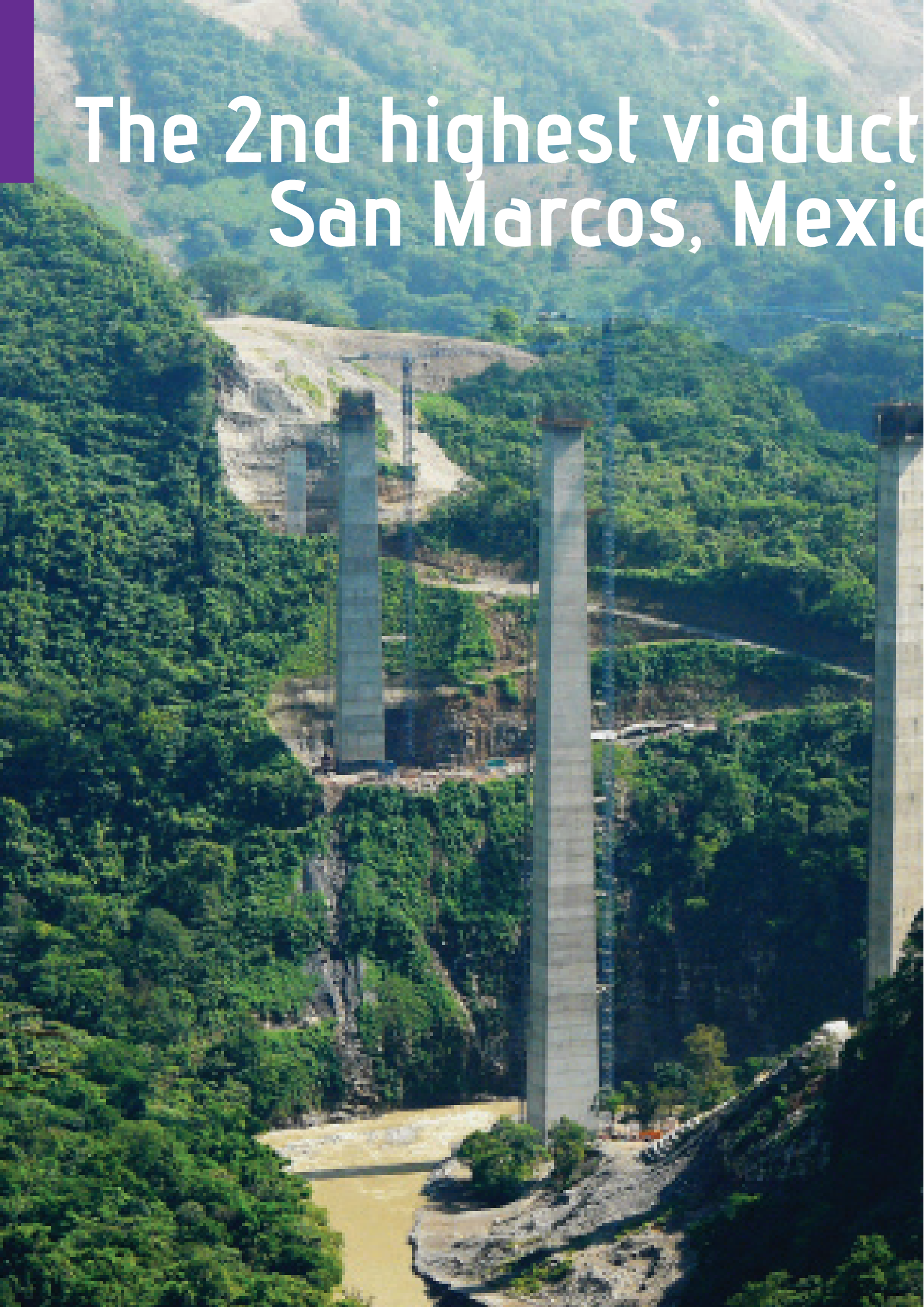
case oil for both automotive and truck use, enhancing the sustainability aspect of its existing used oil collection efforts by FCC Environmental in the United States.

"The project aligns closely with the overall direction that the State of Maryland and its leaders have stated, particularly in the areas of energy reduction, climate action and green jobs, Cherry said. Additionally, we believe it fits well with Governor Martin OMalleys goal of using sustainable sources of energy to increase Maryland's Renewable Portfolio Standard to 20 percent by 2022".

The recycling facility is expected to process more than 150 million litres (approximately 40 million gallons) of used motor oil each year and will create 30 full-time jos in technical, operations and support roles, many of which will be "green" positions.



# The 2nd highest viaduct
# San Marcos, Mexic



# in the world situated in
# co bears FCC's signature

FCC has finished building the piers for San Marcos Viaduct. Pier number 4, 208 metres in height, makes this the second-tallest viaduct in the world, nodding only to Millau Viaduct in France.

The viaduct stands on the highway between Mexico City and Tuxpán, in the section between Nuevo Necaxa and Ávila Camacho. It will make travel between Mexico's capital city and the Caribbean coast a great deal faster and more convenient.

This 36-kilometre-long section, which is being built by a joint venture pairing FCC México with the Mexican firm ICA, crosses the eastern Sierra Madre mountains. The extreme roughness of the terrain has required the construction of six tunnels and seven viaducts, adding up to a total of more than six kilometres.

San Marcos Viaduct was designed by FCC Construcción's Technical Services. It is 850 metres long and has 180-metre spans. Its single deck is 18.7 metres wide, enough to accommodate the highway's traffic in both directions.

Pier 4, which is 208 metres tall, was built with the help of self-climbing formwork. The most advanced formwork and concrete-pumping equipment in existence was used in the pier's construction, enabling work to proceed at a high-performance pace without a single hitch, despite the difficulties posed by access issues.

Work is currently proceeding on the construction of the deck, a progressive cantilever hopping from pier to pier. The viaduct is scheduled to be finished by autumn 2012.

## FCC in México

FCC's Mexican subsidiary is a regular participant in major Mexican infrastructure projects, such as Coatzacoalcos Underwater Tunnel, an exemplary piece of work that created a way to travel between the most important petrochemical complex in the state of Veracruz and the Gulf of Mexico. Globalvía, another FCC Group company, built the road between Nuevo Necaxa and Tihuatlán and has been operating it since 2007.

# New container terminal in Cadiz

The Cadiz Bay Harbour Authority has awarded the contract to build the new Cadiz container terminal to a joint venture partnering ACCIONA and FCC in equal shares. The project is a strategic step in the reorganization and fostering of the city's harbour-related business.

The first phase of the 91-million-euro project calls for the construction of a new 22-hectare terminal with 590 metres of wharf length and a draft of 16 metres, plus a 320-metre sea wall. The new terminal will stand between the Levante jetty and Navantia Quay Number 5. Completion is scheduled for within three and a half years.

The new terminal will make it possible to shift container traffic from its current location to purpose-built facilities with more equipment and services, at a location that will avoid routing heavy traffic through the city centre and will separate passenger and goods activities inside the harbour zone. The new terminal will substantially increase the storage area available, and, because it will have a 16-metre draft instead of the 10.5-metre draft at the current container zone, it will be able to accommodate larger ships.

The design combines a number of construction methods employing rock armour, caissons and cubic concrete blocks. It also includes the dredging of neighbouring areas as needed to enable ships to manoeuvre and to ensure the final depth of the water next to the terminal. The figures help illustrate the sheer size of the project: 3.2 million cubic metres of dredging, more than 100,000 cubic metres of concrete, a total of 8,000 cubic concrete blocks (each weighing 12 metric tons), 1.1 million cubic metres of quarry material and four million kilos of steel.

The proposal submitted by the ACCIONA/FCC joint venture calls for the utmost in environmental protection measures, in order to get the work done with the least possible environmental impact, as required by the environmental impact statement and reflected in the tender.

## Relevant experience

FCC has a great deal of experience in major port and harbour projects. Jobs such as the La Condamine floating dock in the Principality of Monaco, the new Seville lock, the enlargement of El Musel Harbour in Gijón, the bulk goods terminal at Castellón Harbour and Igoumenitsa Harbour in Greece are just a small sample of the firm's experience from its long list of successfully finished jobs in this type of infrastructure.

# The president of Portugal visits Aqualia's stand at Campo Maior

From left to right: Ricardo Pinheiro, mayor of Campo Maior; Anibal Cavaco Silva, president of the Republic of Portugal; Jesús Rodríguez, director of Aqualia's Extremadura-Portugal branch office; and José Antonio Monago, president of the Extremadura Autonomous Community.

Anibal Cavaco Silva president of the Republic of Portugal, visited the popular "Fiestas del Povo" in Campo Maior, held periodically in this town and which attract more than one million visitors. The activities, famous throughout Portugal, focus on decorating the town with thousands of flowers,

On this occasion, Aqualia set up an information stand which was visited by the president accompanied by José Antonio Monago, president of the Extremadura Autonomous Community, and Ricardo Pinheiro, the mayor of Campo Maior. He was greeted at the stand by Jesús Rodríguez, Aqualia's representative in Extremadura-Portugal, and Artur Vidal, the manager of Aqualia in Portugal.

This popular event in which Aqualia participates for the first time since it became in charge of water supply and sewage, makes it even easier to meet the citizens of Campo Maior and also serves to put the Aqualia brand in the limelight throughout a country where Aqualia has gained a positioning as one of the leading indirect water management companies, providing services to a population of more than 130,000 people.

# Hospital de Torrejón opens its doors

President Esperanza Aguirre of the Community of Madrid, accompanied by Javier Fernández-Lasquetty, head of the regional Health Department, inaugurated Hospital de Torrejón de Ardoz .

The ceremony was attended by representatives from regional and local politics, FCC CEO Baldomero Falcones and FCC Construcción's general manager, Avelino Acero. The new hospital, in the Henares River Corridor, was built by a joint venture in which FCC participates as one of the partners. The hospital will provide medical services to a population of 136,000, all inhabitants of the city of Torrejón de Ardoz and adjacent cities and towns in the corridor, such as Daganzo and Ajalvir.

The hospital will shoulder 95 percent of the healthcare needs of the patients in its area and will feature a wide range of medical and surgical specializations and latest-generation diagnostic tools. From now on Torrejón's hospital facilities will include 250 beds, 10 operating rooms, 12 dialysis stations and six delivery rooms. All these additions will help provide better service for this part of the Community of Madrid.

### A comprehensive project: Construction, equipment and operation

Work on this new health centre, in which FCC Industrial was responsible for the installation of electrical, mechanical and communication systems, was completed within the scheduled 18 months. The budget was 139 million euro and covered construction, equipment and operation under a 30-year concession.

FCC has experience in public/private partnership projects of this type. In 2007 it built the 110-bed Hospital del Sureste in Arganda del Rey for the Community of Madrid, also under a concession, and FCC is currently busy constructing Enniskillen Hospital, in Northern Ireland, a 300-bed facility, under the first concession agreement of this sort to be awarded to a Spanish firm in the United Kingdom.

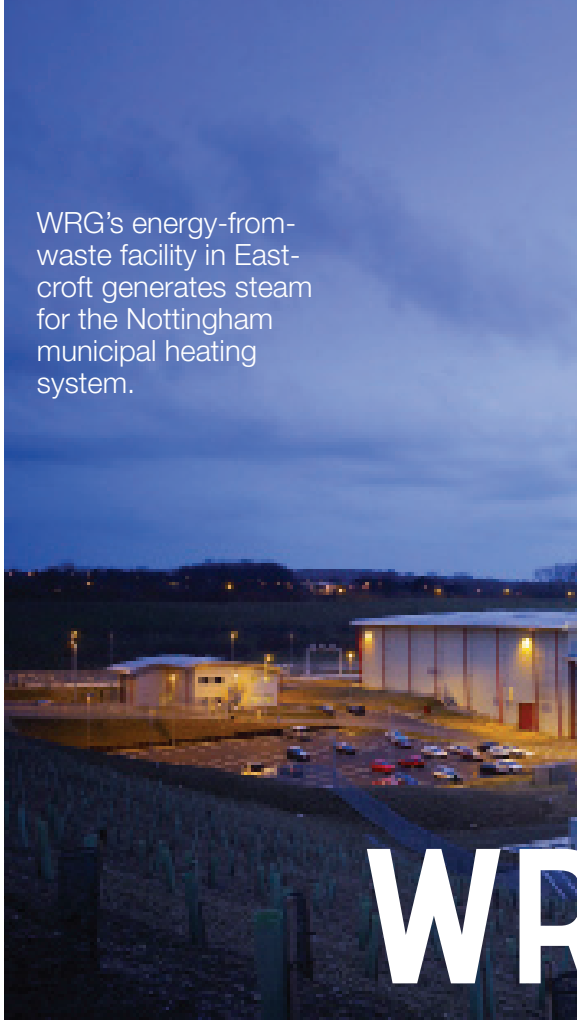
# The minister of the Natural, Rural, and Marine Environment inaugurates the Bajo Almanzora Desalination Plant in Almería

Aqualia participated in the construction of this new facility which has a desalination capacity of 60,000 cubic metres per day and was worth an investment of 75 million Euros.

The Minister of the Natural, Rural and Marine Environment Rosa Aguilar inaugurated the Bajo Almanzora Desalination Plant in the province of Almería. The 60,000 $m^3$/day capacity plant was built by a joint venture which included Aqualia, Aqualia Infraestructuras, FCC Construcción and Befesa.

The budget for this plant, developed by nationally-owned Acuamed was more than 75 million Euros, one third of which was co-funded by the European Union. The plant will satisfy growing demand for water resources, for agriculture as well as for urban consumption, in Almeria's coastal cities and towns.

Above, a moment during the tour of the plant.
Below a panoramic view of the facilities.



WRG's energy-from-waste facility in Eastcroft generates steam for the Nottingham municipal heating system.

# WR

# development of wast

> "A renewed focus has enabled the successful implementation of new waste and energy treatment iniatives"

WRG is celebrating the outcomes of an 18-month drive to enhance its portfolio of more sustainable and efficient waste management and renewable energy generation options.

A renewed focus away from disposal activity has seen the business successfully introduce a range of new waste treatment and energy initiatives.

The starting point for these new approaches was last year's Recycling Waste World National Energy from Waste conference in February 2010 at which WRG unveiled plans to introduce wind turbine energy generation on both its closed and operational landfill sites.

Planning committee approvals have already been received for the installation of two turbines at each of two sites in the East Riding of Yorkshire (Carnaby and Gallymoor) with a total capacity of up to 6MW of electricity.

Further wind farm planning applications have also been submitted for a total of 14 large turbines at three other sites, and for single turbines at five other sites. A significant number of other projects are at the preliminary planning stage.

To underscore the Company's interests in renewable energy, WRG has joined RenewableUK, the trade and professional body for the UK wind and marine renewables industries.

WRG is also expanding its energy crop activities following a successful pilot which involved planting a combination of miscanthus grass and fast-growing trees at 14 landfill sites across Lincolnshire, Nottinghamshire, Humberside and Yorkshire totaling

# RG makes progress in the

# e and energy management

100 hectares and attracting funding from Natural England.

The initiative is part of WRG's drive to expand the generation of renewable energy and maximise the use of its existing waste treatment facilities and expertise. Next year will see an additional 100 hectares (the equivalent of approximately 200 soccer fields) planted at operational and closed landfill sites across the UK.

WRG is believed to be the first waste management business of its kind to undertake an energy crop initiative of this scale, and plans to sell the harvested crops to Drax Power Station, at Selby, Yorkshire, as a biomass fuel.

In another renewable energy diversification, WRG is developing a number of small anaerobic digesters fed exclusively with energy crops such as corn. The crops will be grown on the WRG landbank and will supply electricity to WRG facilities with the surplus sold to the national grid. The first of these developments will be in Oxfordshire.

The development of Energy from Waste (EfW) activity remains a priority for WRG. Construction started in May on a new enery-from-waste facility for Lincolnshire County Council. WRG is responsible for the design, build and operation of the 150,000 tonnes per annum (tpa) facility which will supply 11 megawatts of electricity to the National Grid by the end of 2013.

In addition, work is due to start later this year on the installation of a third operating line at WRG's Eastcroft EfW at Nottingham, which will enable an additional 100,000 tpa to be processed, raising the facility's total capacity to 260,000 tpa.

WRG has also been awarded preferred bidder status by Buckinghamshire County Council for the development of a 300,000 tpa energy-from-waste facility at Greatmoor, near Calvert, in the northern part of the county.

WRG is also the preferred bidder for North Lincolnshire Council's 27-year waste contract. The contract will treat up to 1.5 million tonnes of residual household waste over its lifetime. In partnership with cement-maker CEMEX UK, WRG will use Mechanical Biological Treatment (MBT) to convert waste into Climafuel®, an alternative fuel developed by CEMEX for use at their cement kilns at South Ferriby, Lincolnshire. Climafuel® is a sustainable alternative to traditional fossil fuels such as coal.

## A cutting-edge business

"The last 18 months have seen FCC's UK business at the forefront of developing a range of new ideas and approaches geared towards delivering long-term sustainability and commercial advantage," said Paul Taylor, Chief Executive of FCC's UK operations.

"That's good for WRG, good for our customers and their own stakeholders, and good for the environment."

Paul added: "There's no doubt that extracting maximum value from waste, through recycling or recovery, is the way forward and I'm immensely proud of the initiative and innovation that has been displayed by our teams across the UK business in delivering such progress and prospects in such a relatively short time.

From left to right: Vicente Crespo Escrich, Antonio Ortin Aldeguer, Sergio Ivars Valles y Daniel Cano Alcaraz.

From left to right: Ernesto de la Plata de la Torre, Alejan Yebra Méndez.

# Good performance at the Inter-company Games

FCC participated in the Inter-Company Games held in Barcelona, Valencia, and Madrid with 122 employees taking part in these three editions.

Since their inception, the Inter-Company Games have been considered a Corporate Solidarity Olympics open to all organizations. The spirit of solidarity is one of the trademarks of these events.

An assessment of the projects identified and pre-selected by the organization is performed. This evaluation is submitted to the participating companies which play an active role in distributing the resulting donations.

## Madrid

The Madrid games were the ones with the greatest demand and participation among FCC employees and the results on an individual and group basis were excellent. Besides winning the games, FCC received a Trophy for the Sports Spirit since it was the company with the greatest number of participants in this competition. Of the 39 teams participating in these games six were among the top ten:

- **1st place:** Javier Alaminos Sánchez – Javier Yebra Méndez.
- **2nd place:** Ernesto de la Plata de la Torre – Alejandro Jiménez Galindo.
- **4th place:** Luis Ignacio Matallana Sanfilippo – Alfonso Díaz García.
- **7th place:** Alberto García-Rojo Crespo – Miguel Ángel García Triviño.
- **9th place:** Luis Reina Pérez-Lescure – Sergio Manso Pozo.
- **10th place:** Óscar Rodríguez Santos – Amparo Pérez Graullera.

## Barcelona

Thirteen FCC teams participated in the Barcelona Games with two of them ranked among the top ten:

- **8th place:** Jordi Gibert Cortés – Jaime Gutiérrez Sole.
- **10th place:** Alejandro Viera Reoyo – Enrique Heras Usariaga.

dro Jiménez Galindo, Javier Alaminos Sánchez y Javier

## Valencia

Although fewer FCC employees participated in the Valencia games, the results of the nine teams were excellent:

- **1st place:** Daniel Cano Alcaraz – Sergio Ivars Vallés.
- **2nd place:** Antonio Ortín Aldeguer – Vicente Crespo Escrich.
- **4th place:** Vicente Corts Ferrer – Marcos Iglesias Roger .
- **5th place:** Javier Ruiperez Alonso – José Romero Sánchez.
- **6th place:** José Antonio Martín Casado – Miguel Ángel Ayala Utiel.
- **8th place:** Javier González Gabarda – David Rubio Escribano.
- **10th place:** Sergio Antón Moreno – Juan Ramón Gómez-Ferre Herrán.

# Cementos Portland Valderrivas wins the Company Races

The Thirteenth Edition of the Company Races was held on the 23rd of October. The race, in the streets of Madrid, included two urban circuits of 10 and 6 kilometres each.

The event broke all records this year with 6,500 runners from 622 different companies participating, enjoying the famous Madrid boulevard, Paseo de Castellana, as the most representative of the urban circuits.

Three teams made up of nine Grupo Cementos Portland Valderrivas employees participated in this event.

### Team 1

The Cementos Portland Valderrivas Team 1 won the 10-km race in the four mixed corridors category 2h44'43". Congratulations to Marta González, Gerardo Fonseca, Raúl Gutiérrez and José Manuel Huertas all of whom brought the Company to the podium and whose excellent performance delighted those who watched the races.

We also congratulate all the other colleagues who participated in the other two teams who represented Cementos Portland Valderrivas with a spirit of comradeship and enthusiasm:

**Team 2 (men):** Luis de Madrid, Enrique Sánchez and Carlos San Félix.

**Team 3 (men):** José María Díaz and Alberto Herrera.

Dan visits, during the start of his stay, the Luton (England) Recycling Site managed by WRG

Dan Rogerson and Mike Snell, on the right, challenge the staff at the Sue Ryder charity shop in Sandhurst (England). Merchandise which is still in good condition, such as the table soccer are deposited at the Household Waste Recycling Centre in Smallmead managed by WRG for re3 are donated to the Sue Ryder NGO for its subsequent sale. While at Smallmead, Dan studied this interesting pre-recycling alliance.

# Dan completes his stint at WRG

Dan Rogerson, a member of the British Parliament representing North Cornwall, has completed his fellowship at the FCC Group company Waste Recycling Group.

A member of the Liberal-Democrat Party, Dan first joined FCC in 2007 and would have finished sooner had it not been for the general elections which gave his party a key role in the new coalition government of the United Kingdom.

His collaboration was organised by Industry and Parliament Trust (IPT), a non-profit organization focusing on training and whose objective is to increase knowledge on the corporate and industrial world among members of the British Parliament, members of the House of Lords, and British Euro-Parliament members.

Mike Snell, Managing Director of the Recycling Group's External Affairs department said: "IPT is doing a great job by building awareness on the importance of the business and industrial sector in the British economy among policy-makers who draft laws governing the business world.

We enjoyed very much working with Dan, helping him to understand some of the fundamental aspects affecting all businesses, either waste and resource management as is our case, or the chocolate manufacturing activity. We also improved our understanding of the pressures faced by Parliament members and what they must know in order to make good policies and make the right legislative decisions".

IPT is a non-lobbying independent organization which enjoys the full support of the principal political parties in the United Kingdom and of the presidents of the House of Commons and the House of Lords. For the past eight years,, WRG has been sponsoring IPT. Mike Snell is a member of the Executive Committee and has been collaborating with IPT for more than 25 years.

During his stay, Dan learned about the wide range of activities conducted by WRG and Focsa Services. He also spent some time in the Luton Waste Recycling Site's waste sorting line and accompanied the household waste collection team in Wiltshire. His last days at WRG will be dedicated to going over this issue with WRG at the House of Commons and he will be given a certificate as evidence of his stint at the company.

Mike Snell said, "I want to thank all the colleagues at FCC in the United Kingdom who worked with Dan during his stay. Everybody gave their time and contributed their knowledge with generosity thanks to which Dan was able to learn a lot".

WRG is in talks with IPT to plan a shorter stay for another member of Parliament.

For further information on IPT,
visit the website:

www.ipt.org.uk

# Aqualia, director wins Water & Wastewater Treatment recognition

Frank Rogalla, fifth from the right, director of Aqualia's Innovation and Technology Department together with other members of the Water and Wastewater Treatment editorial committee.

Frank Rogalla, director of Aqualia's Innovation and Technology Department received the recognition of part of the editorial committee Water & Wastewater Treatment (WWT), in a ceremony held at the Royal Society of Arts in London. The publication expressed its appreciation for the technical articles which were submitted by the executive over the past ten years. During the meeting, the Committee analysed the suggestions of readers and the different trends in the sector, defining its agenda of issues for 2012. Aqualia's participation in this seminar highlighted the work carried out by the R+D+i department which has received the recognition of the main Spanish and European aid programs.

For the past 50 years, Water & Wastewater Treatment has been the reference technical publication in the Anglo-Saxon world on wastewater treatment and has been the guide of professionals in the sector.

# WRG hires a former Scottish rugby star

A former rugby player for Scotland and for the Lions team in the British Isles has joined the management team of the FCC subsidiary Waste Recycling Group (WRG).

Paul Burnell is the new Commercial and Industrial Waste Director at the Waste Recycling Group and was formerly the commercial director of Biffa. Burnell is recruiting a team of skilled business development, operations, and logistics professionals who will be talking to existing and potential customers to discuss their waste collection needs.

In the past, Paul Taylor, chief executive of FCC's operations in the United Kingdom announced that the Company aimed to secure waste streams through the development ad expansion of a commercial and industrial waste collection service.

"We already have an unrivalled reputation for handling commercial and industrial waste on a third party basis," Paul Burnell said. "We're going to be focusing on those areas where we already have waste treatment and processing infrastructure in place."

"Looking forward, we want to demonstrate how we can add real value and efficiency by performing collection directly; our goal is to help our clients obtain the best and the most sustainable waste management solution.

Burnell played 52 times for Scotland's national selection and for the Lions alongside rugby legends such as Rob Andrew, Gavin Hastings y Will Carling.

# The children-artists receive their Aqualia prizes

In the top and bottom potographs, the prize-winers and their families together with Pedro Rodrígue, Aqualia's Corporate Development director.

The winners, from the nearly 300 participants from Spain and Portugal, received their prizes in Madrid and celebrated their success by visiting the Santiago Bernabéu soccer stadium accompanied by their families.

Aqualia gave out the prizes for the 2nd International Children-Artist Contest in which children and grandchildren of employees participated. In this year the drawing contest received three times as many entries as in the previous edition. The 146 children who participated in the children's category and the 135 who took part in the youth category demonstrated, thanks to their work, the efforts of Aqualia employees in transmitting the company's values, even to their children.

The organizing committee selected ten finalists among all the entries submitted, five for each category. The prize was "Koloro Da Vinci" drawing and painting set. Two of the winners, one for each category, won a Nintendo Wii. The prize-winners, accompanied by their family members, visited Aqualia's head offices in Madrid where Pedro Rodríguez, director of Corporate Development, handed out the prizes. After this ceremony, they were taken to Santiago Bernabéu where they enjoyed a guided tour of the soccer team Real Madrid's home stadium. Afterwards, they were treated to lunch at the stadium facilities.

For additional information on the contest and to see the winning drawings and photos of the event, check the corporate intranet at: http://fccnet2/aqualia/concurso_anual/concurso_2011.asp#entrega).

# Citizen Conduct Manual

## Rebeca García Álvarez collects at Torre Picasso an e-book that she won for her contribution

Rebeca García Álvarez, a colleague who works at the Construction area in the Castile and León Civil Works Division in Valladolid, collected the e-book that FCC raffled on 1 July in a contest open to all employees who contributed ideas for creating a civility manual.

From left to right: Juana Crespo, Head of the FCC Group Internal Communications department; Rebeca García Álvarez, winner f the e-book; and Elena de Lorenzo, from the Corporate Marketing and Brand Department.

To date, 150 employees have contributed more than 200 ideas which will serve as the basis for creating the FCC Citizen's Conduct Manual.

Last February FCC launched this initiative for creating a civility manual of good citizens' conduct and practices whch was to be created by employees and which aimed to recover and promote attitudes and behavior that makes it easier to get along with those around us.

We wish to remind you that you can continue contributing your ideas, forwarding them by email to manualdeconductas@fcc.es, or through the wiki environment and the blog for the Citizen Conduct Manual at http://fccnet/sites/crc/mcc/blogcc/default.aspx .

We plan to start publishing the manual in December. The intention is to generate changes in our behaviour within and outside the company. We are certain that your contributions will help us to create a valuable document on citizens' behaviour which will contribute to improving the city, enable us to be more comfortable at work by being polite, civil and respectful with everyone around us and, in short, contribute to creating a healthier and sustainable social space and environment.

# Dow Jones rewards FCC's environmental efforts

## FCC continues in Dow Jones Sustainability Indices

FCC has been included in the prestigious World and European Dow Jones Sustainability Indices (DJSI) for the fourth consecutive year. In particular, the DJSI recognised the Group's environmental strategy during the past year.

FCC improved its score the most in connection with the environmental policy implemented in 2010, which gave rise to several initiatives to improve citizens' well-being and preserve the environment in the context of combating climate change. The experts gave the FCC a score of 83 points, compared with 78 points last year. FCC improved its overall score despite tougher assessment criteria this year.

The experts at Dow Jones and SAM (Sustainable Asset Management) gave FCC, which is listed in the Heavy Construction category, the highest possible score in the "Non-financial Project Evaluation", "Risk Management", and "Transport and Logistics" areas. It also received a high score in the "Standards for Suppliers" category.

FCC's established position among the world's most sustainable companies reflects a series of actions and achievements in the area of social responsibility by the Group, whose core shareholder is Esther Koplowitz. These include the company's ongoing commitment to ethics and integrity; more than 9,000 employees have been trained in the corporate ethics code and other projects in this area have been organised outside Spain.

FCC is prioritising electric mobility and has intensified programmes to improve energy efficiency through investment in renewable energies and the use of alternative fuels. The company is also committed to the personal and professional development of its staff, labour insertion of underprivileged groups, improvements in community well-being through environmental education, and the corporate volunteer programme.

### CSR, a strategic objective

Corporate Social Responsibility (CSR) is one of the company's four strategic objectives (together with internationalisation, efficiency and technology) which currently guide the management of the Group, headed by Chairman and CEO Baldomero Falcones.

According to Michael A. Petronella, Chairman of the Dow Jones Indices: "The DJSI have become the gold standard in recognizing the world's corporate sustainability leaders", calling the indices "an invaluable market tool for those seeking to support companies that are committed to creating and adopting sustainable business practices."

This year, the Dow Jones Sustainability World Index (DJSI World) comprises 342 companies; 41 new firms have been added and 23 have been deleted from last year. The experts behind these sustainability indices select companies which are committed to sustainable growth and to creating value for shareholders by complying with the more than 90 strict economic, social and environmental criteria.

# FCC addresses challenges to communities in the future

## Annual Corporate Social Responsibility Report

FCC has published its 6th Annual Corporate Social Responsibility (CSR) Report, for 2010. The report was audited by KPMG and conforms to the highest application level (A+) recognised by the Global Reporting Initiative (GRI), an organisation responsible for the most prevalent global standards for non-financial reporting by companies.

The report deals with the challenges facing communities in the future, such as rapid urban growth and population ageing, with a specific focus on environmental excellence. As a citizen services group, FCC is prepared to respond to these challenges with a people-centred vision.

The issues covered in the report were selected by a Committee of Experts comprising professionals in communication, construction, public administration and services, among others. The committee identified a series of challenges to which FCC must respond. The 2010 Report is complemented by a status report on the objectives of the 2nd Corporate Responsibility Master Plan, which concluded last year.

The report provides a global vision of the Group's commitments and practices in the area of CSR, including policies related to environmental protection, ethics, the workplace, and equality; it also covers FCC's sustainable development initiatives relating to the economy, society and the environment, among others.

### Aqualia publishes its fifth CSR Report

Aqualia has published its Corporate Social Responsibility (CSR) report which describes the work that the Company has carried out over the course of 2010. The text outlines the tools implemented to maintain constant contact with its stakeholders thereby contributing to the ongoing improvement of its management and the surroundings where it conducts its activities. To this end, the Company follows the guidelines established in the FCC Code of Ethics, undertaking to comply with the ten principles of the United Nations Global Pact and with the lines defined in the FCC Corporate Social Responsibility Master Plan 2009-2010.

# Logística subscribes its Equality

The Plan, affecting 4,500 people, aims to promote specific measures to extend, from the Corporate Labour Relations Area, equality-related activities throughout all business areas.

FCC Logística has subscribed its Equality Plan which was signed by Luis Marceñido Ferrón, director of FCC Logística, and Carlos Barón Thaidisgmann, general manager of FCC Versia. Other company managers were present at the signing ceremony: Avelino Agudín González, Human Resources Manager; Mª Eugenia Martín Díaz, head of Labour Relations; and Ignacio León Ruíz, FCC Versia's Human Resources Manager.

The following were also present at this event: Emilio Cardero Millán, secretary of the sector federation Carreteras y Urbanos de TCM-UGT, and Alberto Margalló Pascual, secretary general of the sector federation Carretera de la FSC-CCOO. The representatives of FCC's Human Resources Corporate Division were Francisco Martín Monteagudo, general manager of Human Resources; Emilio Hermida, corporate director of Human Resources; Luis Suárez, director of Labour Relations; and Isidoro Valverde Ballesteros, head of Labour Relations.

As part of its growth strategy, FCC is committed to growth and diversification in the logistics industry, an activity with evident upside throughout Europe. FCC Logística was created thanks to the merger of large corporate groups. Its annual revenues amount to approximately 300 million Euros.

# Plan

As a logistics operator of reference in comprehensive management of the supply chain, FCC Logística has the necessary resources and capabilities to accompany its clients in their efforts to achieve success in their projects. It also has a significant presence in key sectors of the Spanish economy particularly in the logistics markets and its multinational clients are leading players in each of their respective markets.

## Equality and Diversity Management Strategy

One of the main objectives of the FCC Corporate Human Resources Department is for the Group to become a reference in people management, diversity, and equal opportunities.

Equality, as part of the corporate culture, has been bolstered significantly by a strategy based on negotiations and on the implementation of equality plans adapted to the activity, situation, and staff profile at each of the FCC Companies . Thanks to these efforts, the Company a pioneer in this field in the sectors where it operates. To date, seven specific plans have been executed and committees have been created to monitor these plans jointly with the trade unions that have been co-signers of the various plans.

These Equality Plans focus on key areas such as access to a job, training, promotion, remuneration, the reconciliation of work and family life and co-responsibility, preventive and corrective measures to address discrimination and prevent sexual harassment, gender violence and communication.

The Ministry of Health, Social Policies and Equality has recognised FCC's efforts and its water management subsidiary Aqualia has been awarded the Equality Seal. The Group has also subscribed the "Principles for empowering Women" of the United Nations Global Pact which objective is to bolster women's participation in all economic areas and activities.

FCC also has a protocol for possible cases of harassment at work which comes into action automatically in the event of any complaint filed or indications of unfair practices.

For the proper management of diversity, equal opportunities, non-discrimination, and the eradication of any type of harassment, FCC has an international Diversity and Equality Management Committee with representatives from the most relevant Group business areas.

As to the commitment to diversity, work is being carried out to generate jobs for the groups that are at the greatest risk of being socially excluded. The results are evident in the fact that there are 1,042 workers on the payroll with some type of disability, and the agreement entered into with the ONCE Foundation which will make it possible to incorporate an additional 150 people with disabilities in the workforce over the next three years.

FCC has also executed an agreement with the Ministry of Health, Social Policy and Equality to facilitate the incorporation of women who have been victims of domestic violence, as well as other agreements with various entities, such as Fundación Integra and Fundación Exit through which it commits itself to hire people at risk of being socially excluded. This includes the Campaign Against Domestic Violence of the Ministry of Health, Social Policy and Equality or the campaign to build awareness on the situation of children whose mothers are victims of domestic violence, a campaign promoted by the NGO Save the Children.

Link to the Equality Plan:

http://fccnet/corp/ES/rrhh/Paginas/FCCcomprometidaconlaigualdad.aspx

# Flightcare provides handling services to flight with Dutch passengers

Flightcare, the FCC Group subsidiary specialised in ramp, passenger, and cargo handling airports, sponsored an initiative at the Manises Airport (Valencia) organized by the Dutch Red Cross.

At 10:00 a.m., an Air France-KLM flight arrived carrying 70 passengers with chronic illness or disabilities, about 20 of them in wheelchairs, who were planning to enjoy a special day in Valencia. They were accompanied by personnel from the Red Cross and KLM as well as physicians, nurses, family members, and Dutch journalists. Aena and Flightcare coordinated their services to handle the flight.

Flightcare's corporate headquarters, the Levante zone management, company supervisors working at the airport, and all the rest of personnel involved in day-today flight handling operations made every effort and worked in close cooperation on this special Red Cross operation which has been conducted for the past 40 years.

For a few hours, these passengers were able to forget all their cares thanks to the organization of the Red Cross, the solidarity of KLM Airlines, and the resources and personalised attention of Flightcare, which provided voluntarily full handling services adapted to the special needs of the aircraft and passengers.

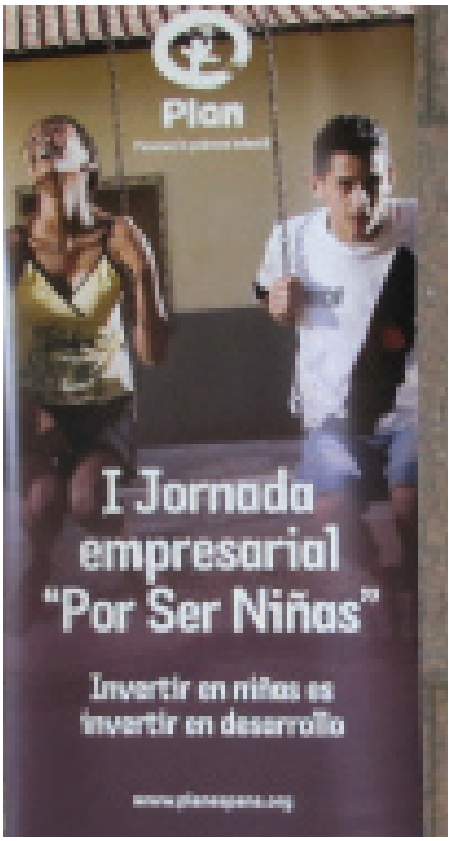
Flightcare currently operates in 14 airports in Europe and Valencia is one of the Spanish airports where it provides airport handling services. The Company provides its services to more than 250 airlines throughout the world, handling 324,050 aviation movements and more than 34 million passengers. It also handles over 330,000 tons of cargo each year.

# "Por ser niñas" campaign

The PLAN España and the business sector alliance improve the quality of life of many boys and girls, the families, and their communities.

On 27 September, PLAN, a non-profit organization, celebrated the first Business Seminar "Po ser niñas" (Because they are girls) in which the FCC Group took part as a company.

Rosa María Calaf, the journalist acted as the moderator of the seminar. A rose-coloured bracelet was designed specifically for this campaign to obtain funds to be able to help 62 million girls who do not attend school. The girls suffer from double discrimination; because of their gender and their extreme poverty. The aim of the campaign is to ensure that boys and girls enjoy the same opportunities so that they can look forward to a better future.




The organization, based on several reports, disclosed several statistics which indicate that an additional year of schooling represents a 10-20% increases in girls' future income. Women reinvest 90% of their income in their homes whereas men only invest between 30 and 40%.

"Investing in adolescent girls is precisely the catalyst that poor countries need to overcome inter-generational poverty and promote a better distribution of income. Investing in them is not only fair, but also a brilliant economic play", Robert B. Zoellick, the Chairman of the World Bank has stated.

FCC, a citizen services company committed to social causes, lent its auditorium at Torre Picasso for this event where the campaign to benefit the education of girls in developing countries was announced.

## PLAN, focused on children

PLAN is an international community development organization which focuses on children. It works in 66 countries, has more than 8,000 employees and 60,000 volunteers. The organization develops 7,318 projects which directly benefit 28 million boys and girls.

FCC is specially committed to this organization since its Chairman and CEO, Baldomero Falcones, is a member of its Board of Trustees.

In addition to FCC, other co-responsible companies participated such as the catering company La Solera, Banco Popular, Alda, A.T. Kearney, Pavofrío, and Famosa.

# Reforestación day in Segovia with employees

FCC is a company that is socially and responsibly committed to sustainable development in the communities where it conducts operations. As a result of this commitment, the citizen services companies in collaboration with WWF-ESPAÑA, on 22 October the Group organized a Reforestation Day at the "Refuge for Birds of Prey" situated near the township of Montejo de la Vega (Segovia).

FCC and WWF-ESPAÑA had previously entered into a collaboration agreement to promote citizen and corporate commitment to encourage sustainable development in our plant. As a result of this agreement, Cemusa contributed advertising space for the "The Hour of the Planet" campaign which s organized each year to build awareness on the need to take care of our planet Earth.

Sixty volunteers, including FCC workers, family members and friends, volunteered to help in the reforestation project.

Before carrying out this reforestation activity, the parties in charge at WWF-España explained the current situation in respect of the country's forest resources. At present, only 18% of the forests are left, mostly in the north of the Iberian Peninsula. The organization also offered a tutorial on the species that were going to be planted and on the conditions of the terrain.

Seven hawthorns, 20 junipers, 50 savins, 1 almond tree, 6 Holm oaks, 22 buckthorns, 15 wild rose bushes, and 8 blueberry plants (a total of 138 plants and bushes) were planted in an area measuring approximately one-half hectare at the "Cerro de los Ataques".

Thanks to the enthusiasm and energy of FCC employees, the autochthonous vegetation of this area was restored. This is essential in order to create a nesting place and refuge for various species, especially vultures.

Thanks to the enthusiasm and energy of FCC employees, the autochthonous vegetation of this area was restored. This is essential in order to create a nesting place and refuge for various species, especially vultures. Work was carried out in a an area where only 18% of the autochthonous vegetation remains, according to a study carried out by WWF and the Universidad Autónoma de Madrid in 2008 (Report on our remaining forests).

## International Year of Forests 2011

The United Nations General Assembly proclaimed 2011 the International Year of Forests to promote awareness on management, conservation and sustainable development of all types of forests.

"Forests for People" is the principal theme of the year, highlighting the special dynamics between forests and the populations whose livelihoods depends on forests. The United Nations Forum on Forests Secretariat (UNFF) acts as the coordination centre for Forests 2011 with the sound support of the United Nations Food and Agricultural Organization, in collaboration with governments, the Forest Collaboration Association (FCA), and other major organizations. Forests 2011 provides an unprecedented opportunity for focusing on the interconnectivity between people and forests. Local, national, and regional entities around the world are encouraging the scheduling of events such as Forest 2011 based on their interests and unique situations as well as keeping in contact with those who are active in fields that have not been associated traditionally with forests in order to integrate forests in their ideas.

INTERNATIONAL YEAR OF FORESTS • 2011

# Rafael Montes at "Fridays at the of Nuestra Casa in Collado Villalba

Rafael Montes, honorary chairman and CEO of FCC, made a brilliant presentation "Flying with Butterflies" at the inaugural conference of the third season of the "Fridays at the Retirement Home" cycle. He delighted the audience with a detailed and interesting description of the life of these insects.

For nearly one hour, he talked about the life of what he defined as "wonderful insects which serve as an example for human beings". After detailing the various species of butterflies, especially those called Isabeli-

## Program aligned to the Esther Koplowitz Foundation objectives

Fridays at the Retirement Home is one of the many activities carried out by FCC volunteers at the Nuestra Casa de Collado Villalba (Madrid) retirement home to accompany the elderly residents.

Since its inception, the objective of FCC's corporate volunteer program is to have employees become involved in charity work and is in line with the goals of the Esther Koplowitz Foundation which has been intensely involved for many years in benefit of members of the community most in need and is funded solely and exclusively by the contributions of Esther Koplowitz.

The activities of the Esther Koplowitz foundation are so important that it seems totally convenient to develop the FCC Corporate Program to complement the activities carried out by the Foundation in the field of social aid.

In 2001, the Esther Koplowitz Foundation donated the Nuestra Casa de Collado Villalba to the Madrid Autonomous Community. This retirement home has two floors. The elderly suffering from serious diseases such as Alzheimer and arteriosclerosis live on the first floor while those who enjoy a better quality of life are housed in the second floor. It also has a day-care centre which provides services to the elderly, those who are dependent or require assistance.

With the same objective in mind, the Foundation in 2003 donated to the Barcelona city council the La Nostra Casa de Fort Pienc retirement home with 137 beds in single and double rooms plus a day-care centre to provide services to another 30 individuals.

In 2004, the Foundation gave the Valencia city council the La Nostra Casa de Valencia home which provides services and housing facilities to people with serious mental disabilities or to those suffering from other physical disorders. Featuring the most modern equipment and resources for the treatment of these disabilities, the home has 60 beds for residents and for another 40 individuals at its Day-Care Centre.

The Foundation is committed to building another similar home in Valencia, one in Valladolid, and also plans to enlarge the Fundación Nido residence in Madrid for patients suffering from cerebral palsy.

# Retirement Home"

nas detailing their origin and an entertaining story about Queen Isabella II, Montes described the geographic areas where each species can be found.

The audience expressed its interest in the presentation and asked about the average life of the various types of butterflies and the species that could be found near the Collado Villalba Retirement Home, such as the Siete Picos in the mountain range north of Madrid, and also about the origin of the Silk route in the Orient. Montes had only one request for the audience, urging them to be considerate and kind to butterflies.

At the end of his presentation he explained his interest and knowledge about butterflies. The answer is as simple as asking: Why? One of the most interesting questions, he said, was why butterflies were able to survive other more powerful and stronger animal species.

# Aqualia, receives the recognition of Instituto de Empresa Familiar

The water management company's efforts in the recovery of the ecosystems of the ponds at Medina del Campo, Valladolid.

In the photograph, from left to right, Fernando Casado, Björn Stigson, Carmen Becerril y Javier Quintana.

The gradual increase in the population and economic growth in developing countries results in the over-exploitation of natural resources. Aware of this fact, the Instituto de Empresa Familiar (Institute of Family-Owned Companies) submitted a report containing 24 initiatives of companies whose strategies are linked to sustainable development.

Aqualia is one of such companies. Its initiative to recover the ecosystems at the ponds in Medina del Campo (Valladolid) is praised in the report. The project contemplates various measures to improve the quality of water at the ponds in this town in the province of Valladolid: creating different ecosystems to increase the number of species and to build environmental awareness of this site by designing and launching specific communication campaigns.

The results were measured recently, confirming the success of the plan with more than 300 birds of 52 different species currently making these ponds their home.

Fernando Casado, director of the Centre of Alliances for Development; Björn Stigson, Chairman of World Business Council for Sustainable Development; Carmen Becerril, CEO of Acciona Energía; and Javier Quintana, Managing Director of Instituto de la Empresa Familiar were among those present at this event.

## Water treatment plan and wetlands for the refuge of wild fauna

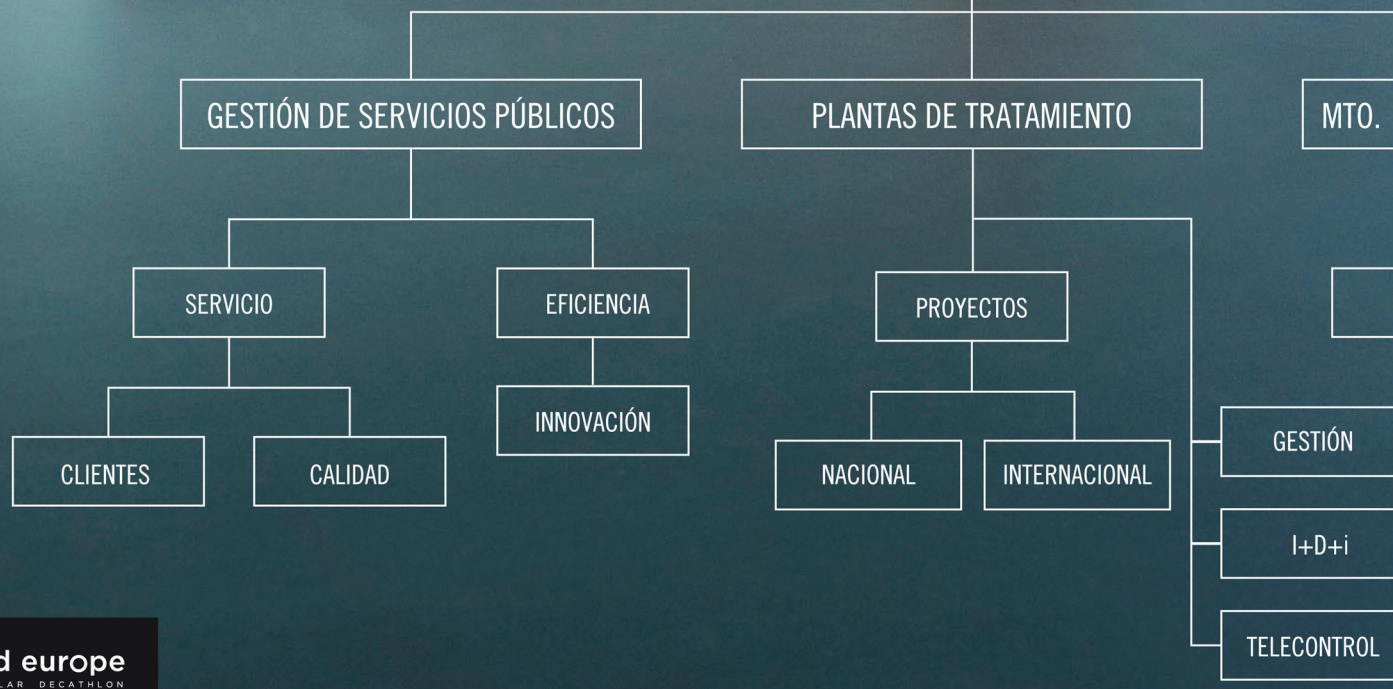
The Medina del Campo wastewater treatment plant made it possible to recreate a small wetland where various types of bird species and other animals have settled, encouraging not only the recovery of the waters of Zapardiel river but also succeeding in protecting species whose population was increasingly becoming more rare or unknown in this region.

Aqualia, a responsible company, has received several distinctions for this exemplary sustainable development measure.

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

Servicios Ciudadanos

Infraestructuras | Medioambiente
Gestión del agua | Energías renovables




sd europe
SOLAR DECATHLON

From left to right: Francisco Martín Monteagudo (FCC's general manager of Human Resources); Olga Fernández Martínez (director of the Centre for New Technologies of INSHT) ; Mar Alarcón Castellanos (general manager of labour at the Madrid Autonomous Community and director of the Regional Institute of Safety and Health); Baldomero Falcones Jaquotot (Chairman and CEO of FCC); Fernando Serrano Pernas (secretary general of the Construction Federation of the trade union CCOO, Fecoma); Teodoro Escorial (deputy secretary of the General Secretariat of MCA (UGT); and, Vicente Cerezuela (Fleet manager at FCC and the sculptor responsible for designing the prizes).

# FCC hands out the prizes for the Prevention of Occupational Hazards

Baldomero Falcones, FCC Chairman and CEO, presided the award ceremony held at Torre Picasso for the 1st edition of the Prevention of Occupational Hazards Awards

Among those present at the event were Mar Alarcón Castellanos, General Manager the Regional Institute of Safety and Health of the Madrid Autonomous Community; Olga Fernández Martínez, director of the Centre for New Technologies attached to the National Institute of Safety and Health at the Work Place Fernando Serrano, secretary general of DECOMA (COCO); and Theodora Escorial Clemente, deputy secretary of the General Secretariat of MCA

Mar Castellanos hands out the Technical R+D+i Innovation prize for occupational safety and health to José Subirat Sánchez, Head of Operations at Matinsa, representing the company and the "Fénix Project".

Agustín Gil Armengol, Prevention Coordinator, representing the Cataluña-Baleares regional office of Ámbito receives the Preventive Management Award from Paco Martín.

Baldomero Falcones hands out the honorific plaque to Jacinto Ruiz Martín in recognition for his professional career in occupational hazard prevention.

(GUT). Representatives from the Corporate Division of Human Resources, sponsor of this initiative were also present.

The award-winners were:

**Prize for R+D+i in Prevention:**

Compañía Matinsa, Construction Division, for the "Fénix Project".

**Preventive Management Award:**

The Cataluña-Baleares regional office of Ámbito's Industrial Waste division.

**Personal Mention for a professional career in the prevention of occupational hazards:**

Jacinto Ruiz Martín, prevention representative and general manager of the Construction Division, Murcia Office.

Premio PRL Gestión Preventiva 2011

Premio PRL I+D+i Prevención 2010

## Categories of the FCC Prevention Prizes and photographs of the award-winning activities

**Premio a la Gestión Preventiva**

**¿Qué se premia?**
Trayectorias que hayan contribuido al cumplimiento de objetivos en materia de seguridad y salud laboral.

**Premio I+D+i en Prevención**

**¿Qué se premia?**
Iniciativas relacionadas con la innovación técnica (I+D+i) en favor de la seguridad y salud de los trabajadores con sentido de eficacia y compromiso.

**Mención personal a la trayectoria profesional**

**¿Qué se premia?**
La persona que se haya distinguido en la promoción, divulgación, supervisión y vigilancia de actividades que mejoren las condiciones de trabajo en materia de prevención de riesgos laborales.

One of the main objectives of the FCC Group is for prevention to become a company priority and to build awareness among all employees on its importance.

More than 20 projects of great quality were submitted for the first edition of this award. The objective is to reward initiatives or actions carried out by departments, teams, business areas, and FCC employees that contribute to bolstering and disseminating the prevention policy and the preventive culture at the work place.

The members of the panel of judges were from various Company areas as well as external collaborators (the director of the Secretariat of the National Commission for Safety and Health at the Work Place, INSHT, and the director general of the Institute for Prevention, Health and the Environment of the Mapfre Foundation) in addition to representatives from labour unions, the Secretariat for Labour Union Training and Sector Studies of CC.OO.) and the Secretary of Occupational Health and the Environment of the trade union UGT.

# Aqualia: second phase of the occupational hazard prevention campaign

New material has been distributed to all the technicians at the department with the slogan "You don't lose a minute in safety, you gain a life. It's your responsibility" for its distribution to contractors.

Aqualia PRL continues to press ahead with its goal of building awareness throughout the organization on the importance of occupational hazard prevention through its in-house campaign: "You don't lose a minute in safety, you gain a life. It's your responsibility." In this second phase, it is using the creative concept "It's not a lot of work" linked to the various pieces of protective equipment and the behaviour that workers should apply in order to maintain a responsible preventive attitude.

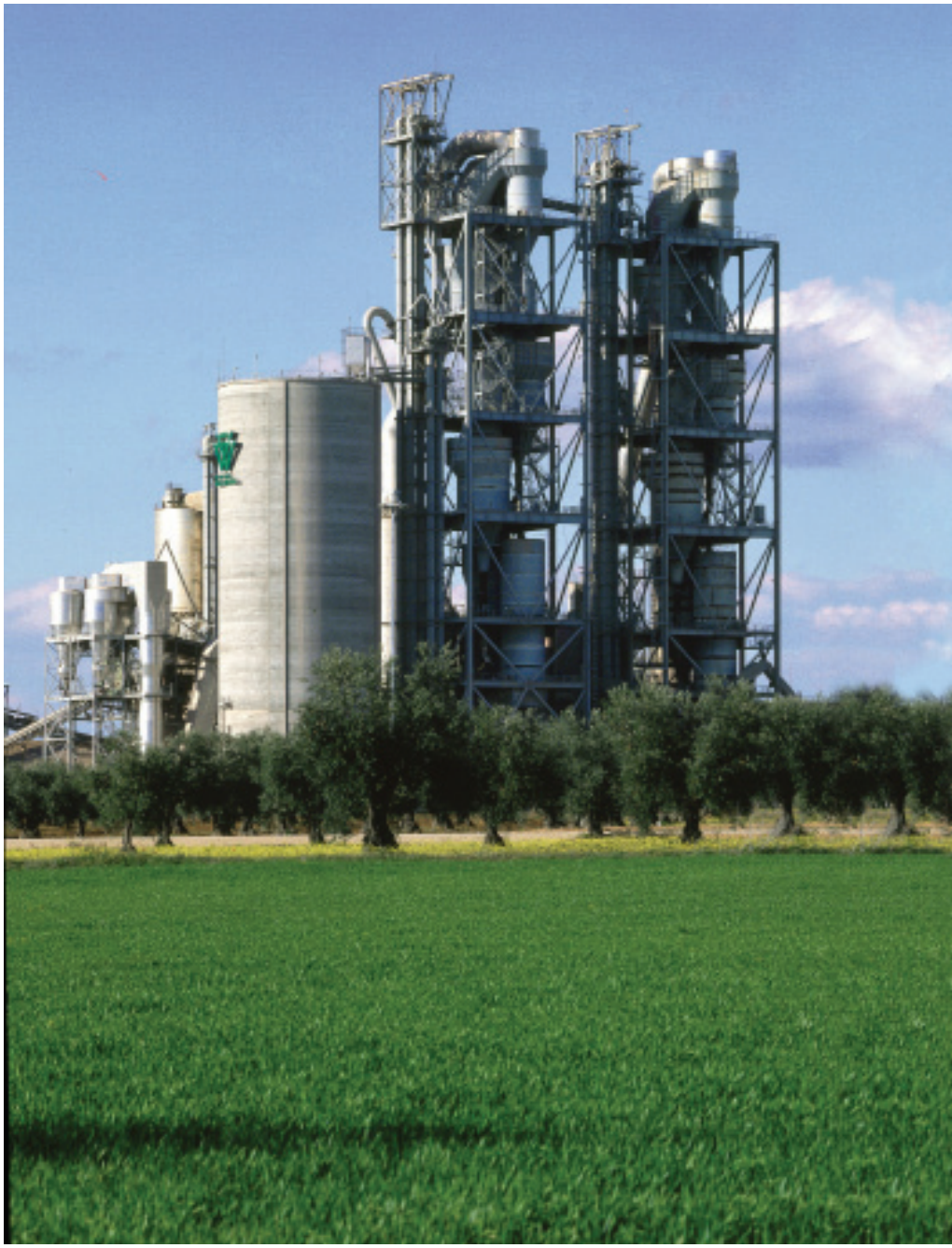
The communication channels available for workers to contact the Occupational Hazard Prevention department have been increased during the campaign and, as a consequence there are now three contact channels: suggestion box; the prevencion@aqualia.es e-mail address; and, the new method for mailing letters with prepaid envelopes specially designed for this purpose.

The material will be distributed by PRL technicians so that workers get involved and that Aqualia's "zero accidents" objective can be achieved.

# The general director of the Mad Government visits the El Alto cem

On 14 September, the El Alto cement factory of the Cementos Portland Valderrivas (CPV) Group in Morata de Tajuña (Madrid) welcomed the general director of the Madrid Regional Government and manager of the Regional Institute for Safety and Health (Spanish acronym IRSST), María del Mar Alarcon Castellanos. She was accompanied by Juan Antonio Benítez González, head of the IRSST Department of Safety and Health.

The heads of the Corporate Human Resources and of the Safety and Health departments of Cementos Portland Valderrivas Group and FCC also visited the facilities jointly with members of other members of the El Alto factory management and production. With Fernando Dal-Re Compaire of CPV's Corporate Area, the visitors took part in many events, including an initial presentation of the cement group and its



# lrid Regional ment factory

activities followed by a guided tour of the installations.

The information provided included the highlights of the CPV Group in relation to occupational hazard prevention, available courses and the results obtained in matters pertaining to safety and health.

Cementos Portland Valderrivas Group is characterised by the incorporation of safety and health at all levels of the company and for having a truly preventive culture in Group Companies, managed through the Shared Prevention Department. The key measures implemented at the cement factories have been: preventive safety observations (PSO); the “12-month 12 causes” campaign; risk notifications; safety and health inspections in all factory areas; weekly discussions with the supervisors.

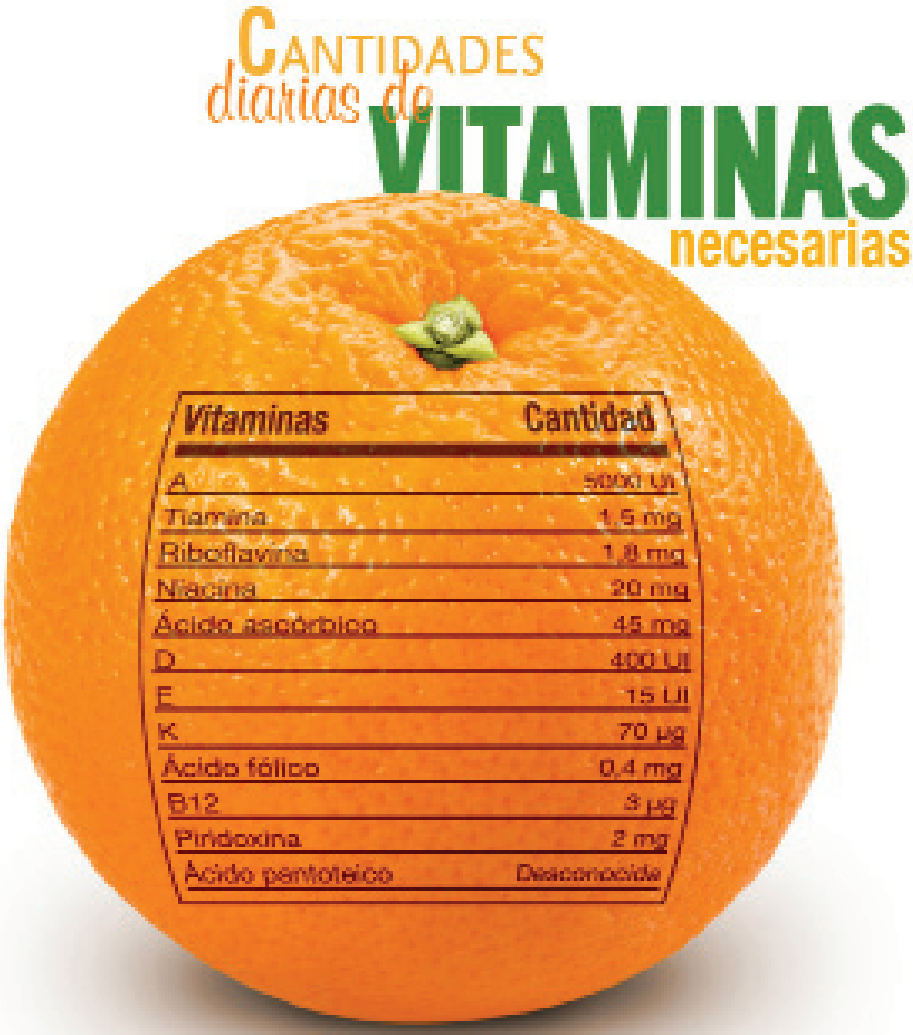
Besides describing these measures, visitors were informed about the plans for integrating safety and health, the upgrading of installations, and the reduction in the rate of accidents at the work place. The key figures were mentioned in the presentation since the work and efforts carried out in prevention-related issues has succeeded in reducing the accident rate (by up to 50% in the past three years) with the current fre-

quency rate standing at 15.63 (2010 figure). During the tour of the facilities, guests were able to see the cement manufacturing process and a quarry explosion before ending their visit.

All visitors were able witness first-hand the safety and health conditions at the El Alto factory, not just at the installations but also the work procedures. The occupational hazard prevention management system has been awarded the OHSAS 18001 Certification.

# Vitamins: myths and facts

Román Rodríguez Barrigüete




Vitamins are certainly among the known substances that are taken regularly and which give rise to heated controversy and confusion. Ideas such as that vitamins increase appetite or stimulate growth, delay the ageing process, or any other related claims are defended by the public and are deeply rooted myths that we as physicians must face every day in our practice while patients vehemently defend their consumption.

In this article, we will try to explain, clearly and concisely, what they are, their function and, most importantly, debunk certain claims that are not supported by any sound scientific study.

A vitamin is an organic compound that cells

are unable to produce and which, taken in small amounts, is essential for the normal functioning of the metabolism. Small amounts of vitamins are stored in the cells. In some cases, the largest amount is stored in the liver. For example, vitamin A stored in the liver is the amount required for a period of 5 to 10 months during which, there is no need to take any supplements. The amount of vitamin D stored in the liver is sufficient for a 2-4 month period and, therefore, no additional doses are necessary.

Consequently, the minimum daily requirement of vitamins are not that high; only milligram or microgram doses are needed and these are easily found (proportionally speaking) in natural food sources. Vitamin deficiency or overdose can cause serious illnesses and could even be life-threatening.

Vitamin deficiency is known as avitaminosis and the overdose of vitamins as hypervitaminosis.

## Avitaminosis

Vitamin deficiency can lead to more or less serious disorders depending on the level of deficiency. It is difficult for this to happen in the developed world. In fact, it is extremely rare in normal medical practice to find vitamin deficiencies. This is because:

1. Vitamin requirements are minimal.
2. The sufficiently varied diet in our society meets all our vitamin requirements
3. The quality of food in our society is quite high.
4. There is an abusive intake of vitamin supplements.

## Hypervitaminosis

Although vitamins are essential they can be toxic if taken in large quantities. Some are quite toxic and others are harmless, even if taken in large doses.

Toxicity can vary depending on the dose. For example, vitamin D is administered in sufficiently high doses to cover the requirements over a six-month period; nevertheless, this is not the case with vitamins B3 or B6 since these are very toxic. Another example is the long-term use of hydrosoluble vitamins which are easily tolerated because what the body does not need is easily eliminated in the urine. The most toxic vitamins are D and A.

## Tips for preventing vitamin deficiencies

Raw vegetables are the principal source of vitamins and, as such, the consumption of

five or more servings of fresh vegetables or fruits each day is highly recommended. Furthermore, it is also recommended that we avoid processes that destroy vitamins, such as:

- Overcooking at a high temperature and for an extended period of time should be avoided.
- When cooking, food should be added to already boiling water rather than in cold water and then brought to the boiling point.
- We should avoid eating food that has been prepared (cooked, cut, or squeezed) a long time before being consumed.
- The skin of fruits and husks of cereals contain a large amount of vitamins and, consequently, it should not be removed.
- Vitamins and minerals stick to the core of rice and are not lost during the vaporising process (he husk contain more vitamin B1 than the other part of the grain).
- Vitamins are lost or inactivated during the freezing process and it is better to eat food that is 100% fresh rather than frozen.
- The speed of UHT sterilization processes prevent the excessive loss of vitamins and are better than slower processes.

## When are vitamin supplements necessary?

A well-balanced diet is generally recommended since it provides all the right amounts of vitamins. No study has supported the claim that vitamin or mineral supplements should be taken as a preventive measure:

- Vitamins do not increase appetite.
- Although the antioxidant prosperities have been proven, there is no evidence to support the claim that taking vitamins regularly prevents the appearance of malignant tumours.
- Taking an overdose of vitamin supplements to fight stress, physical or mental exhaustion has no effect whatsoever.
- Vitamins do not boost children's growth.
- Vitamins do not prevent ageing.

Vitamin supplements are recommended, only if prescribed by a physician, in the following cases:

- Imbalance diets, such as in patients who suffer from any type of food allergy or for vegetarians who do not consume animal products (vitamin B12 deficit).
- Pregnant women.
- The elderly who do not consume sufficient food (frequently the case in those who live alone or are not well-taken care of) because of their eating habits or because their bodies are less capable of assimilating vitamins.
- Certain diseases that affect the digestive system and after surgery of the stomach when it implies partial or total removal.
- The use of drugs that interact with vitamins and can produce vitamin deficit, such as in the case of certain chemotherapy for the treatment of cancer.

Most of the population is not among the above-mentioned groups and, therefore, there is no need to take supplements. Besides being costly, vitamins, when taken in large amounts (hypervitaminosis) can be harmful.

# FCC unveils its Strategic Road Safety Plan 2010-2015

## In a seminar held in Madrid on "On-the-job road safety"

Fundación Española para la Seguridad Vial (The Spanish Foundation for Road Safety, Spanish acronym FESVIAL), the Pons Foundation; the European Commission Automobile Foundation, and the Foundation for the Prevention of Occupational Hazards, in collaboration with the Department of Education and Employment of the Madrid Autonomous Community, sponsored a seminar in Madrid on " On the Job Road Safety".

The objective of the seminar was to analyze the social, personal, and economic consequences of on-the-job road accidents and to encourage safe mobility practices in order to reduce and prevent road accidents while on the job.

The event was inaugurated by María del Mar Alarcón of the IRSHT. The presentations and communications were organized around three working groups with the participation of Marta Zimmerman, the director of the Research and Information Department of the Institute for On the Job Safety and Health; Jorge Travesero, Job Inspector; and representatives of the UGT and CCOO trade unions as well as the heads of Occupational Safety of companies such as Chep and Feu Vert who shared the table with Juan Carlos Sáez de Rus, corporate director of occupational safety and health at FCC who described the company's Strategic Safety and Health Strategic Plan.

During the seminar, the on-the-job traffic accident figures were announced. The speakers, besides mentioning the serious consequences of traffic accidents, also stressed the importance of the involvement of companies, employees, public administrations and institutions and the entire community and described the proposals and measures that have been carried out.

At the site, on the right, Juan Carlos Saez de Rus, corporate director of the FCC Group Occupational Safety and Health Department

Mar Cogollos, the director of AESLEME; Javier Llamazares, the director general of FESVIAL, and Pere Navarro, the director general of the Traffic Department gave the closing speeches, all of whom mentioned road traffic statistics, 2,478 traffic related deaths last year, and highlighted the importance of Road Safety training at companies. Information on the seminar and the FCC Strategic Road Safety Plan are available at the Road Safety portal which can be accessed through the prevention page or through the following link:

http://fccnet/sites/rrhh/servprevman/segvial/default.aspx

> "In 2010, 35% of deaths on the job involved traffic accidents while on the job."

# Knowledge

# Environmental measures at the new Despeñaperros road section

Aware that the construction activity that we carry out can affect our surroundings, FCC has an environmental management and planning system with the UNE-EN-ISO 14001 certification, thanks to which we are able to reduce the footprint of this activity by applying preventive, corrective and compensation measures.

The environmental measures implemented at the Despeñaperros stretch of the dual Carriageway A-4 are such an example. Executed by FCC, the project required best practices due to its special terrain and its valuable ecosystem.

Considering that the preventive measures were applied gradually during the different phases of the project, we will focus on the corrective and compensatory measures that are being applied at the Natural Despeñaperros Park in Jaén as part of the effective planning carried out by FCC to fight against the degradation of the ecosystem.

Planning of these measures first requires a methodical study of several terrain-related aspects vegetation, fauna, animal crossings, rivers, brooks, etc. The corrective measures in this case were designed to address the impact of construction activity, particularly the recovery of the landscape and vegetation. The most salient of these measures include: the restoration of landfill sites and paths by planting trees and bushes. Trees and other species will be planted in the areas which were affected by the viaducts and the animal crossings. Lastly because of the rough terrain, a special treatment will be applied to the slopes and embankments by means of hydroseeding, which is more suitable for this terrain since conventional techniques could not be used to plant the slopes.

> “The corrective measures to address the impact of construction activities have focused on recovering the landscape and vegetation.”

The measures designed to offset the project's impact on the ecosystem can be classified into two groups: measures to save the vegetation and those aimed at compensating the autochthonous fauna.

The latter measures were of particular ecological interest since the objective was to reduce the mortality rate of lynxes due to unnatural causes. To this end, wells were fixed, eating and drinking areas were built and road signs were improved to prevent lynxes from being run over by vehicles.

The natural habitat of the Iberian lynx was also improved thanks to selective pruning, by building fences, creating refuges, and controlling predators. In short, the protection of special areas for this animal will be encouraged by extending the planting of grasslands to connect lynx populations by creating corridors. Heaps and artificial rabbit warrens will also be expanded to increase the mountain rabbit population.

Some of the compensatory measures affecting vegetation include the morphological restoration and re-planting at the Las Monjas curve, currently not in service. Efforts are also being made to increase the population of the Centaurea tricolour, a species of great botanic interest since it is typical of the Sierra Morena and Despeñaperros area and is in the Ministry of the Environment's list of endangered species.

Other important measures to improve vegetation in the area include the annual collection of seeds, conservation and planting in the Natural Park surroundings, the improvement of vegetation on the banks of the Despeñaperros River, respecting and increasing those already in place, collecting waste from the beds of the Cuchareros Brook and the river in the area surrounding the intersection of the new highway.

All these measures will be monitored on an annual basis over a five-year period after the project is completed, according to projections, by the end of this year.

NOSOTROS RECOGEMOS
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RESIDUOS.
TÚ LOS SEPARAS.
LO ESTAMOS
HACIENDO JUNTOS
Servicios Ciudadanos
Infraestructuras | Medioambiente
Gestión del agua | Energías renovables
PAPEL CARTÓN
ENVASES
SÓLO VIDRIO
RECOGIDA DE RESIDUOS
TRATAMIENTO DE RESIDU
ORGÁNICA
INORGÁNICA
PROCESOS
RECEPCIÓN
GESTIÓN
COMPOSTAJE
CONTROL
CLASIFICACIÓN
ENERGÍA
PREVENCIÓN
INVESTIGACIÓN
sd europe
SOLAR DECATHLON

# Guest-Column

**By: Björn Mittendorfer**

CFO of .A.S.A.

# .A.S.A. a private, positioned waste

So far, 2011 has been a year of great success for the .A.S.A. Group. After analyzing earnings performance in the first six months of the year I can inform you that the Group's sales were up by 8% year-on-year, and approximately 75% of this growth was driven by our international activities in Central and Eastern European countries.

A good part of this trend is due to the recovery of almost all of the national economies in countries where we operate. I refer specifically to industrial production which slowly climbing back to levels similar to those before the onset of the crisis. This implies greater production of commercial and industrial waste which of course, also implies greater profitability. In addition .A.S.A. has succeeded in reducing its net financial debt by approximately 18 million Euros in comparison with June 2010 and we enjoy very solid financials, to the benefit of our financial partners, suppliers and clients.

Meanwhile, .A.S.A. is on track to achieve a debt-free positioning within a term of 2-2.5 years despite the strong investment efforts of the past few years (for example, the 90 million Euro investment in the Zisterdorf incineration plant).

With these results, .A.S.A. is contributing to fulfilling FCC Group's debt reduction objective. The media reports that not all European countries have such a promising economic situation. Our goal, therefore, is to focus our efforts to support the FCC Group objective. Although the impact on our company is slightly negative, since investment opportunities are currently dwindling, over the long term this will be beneficial when the economic crisis in those countries bounce back.

From now onwards, our parent company will be giving us its strong support, providing the opportunity to start new activities in our existing business areas and even the possibility of branching out in new countries

> "
> .A.S.A. is contributing to fulfilling FCC's debt-reduction objective
> "

# strong, reliable and well
# e management group

such FCC's expansion drive prior to the financial crisis (it made several acquisitions and investments in treatment plants). Our strategy for this period should focus on organic growth to invest prudently and bravely. In this spirit, I wish to show my appreciation for the efforts made to date so that .A.S.A. can become a strong, reliable, and well positioned private waste management group.

"A.S.A. has succeeded in reducing its net financial debt by nearly 18 million Euros in comparison with June 2010. We have a very strong financial positioning to the benefit of our financial partners, suppliers, and customers."

# FCC opens to traffic two sections of the Despeñaperros stretch of Autovía del Sur

# The boss and his work

## Pedro Vega

Road communication between Madrid and Andalusia in both directions has already improved. José Blanco, Minister for Public Works, inaugurated 14.1 kilometres of the road through the National Despeñaperros Park on 26 September.

The two road sections open to traffic are situated between the townships of Santa Elena (Jaén) and Venta de Cárdenas (Ciudad Real) and are on the road to Madrid. Stretching over 9.4 kilometres, the sections are between the Aldeaquemada and Santa Elena link, 4.5 kilometres long on the way to Andalusia.

Pedro Vega, the project manager has been responsible for this major project. He worked jointly with a great team: Ignacio Ferraro, head of the Technical office; Gema Pradas, surveyor; Juan Diego Romero Martinez, Department manager; Pedro Córdoba, Quality supervisor; José Montoro, head of topography; Javier Castro, head of Ground movements; María Cruz Molina, in charge of Structures; José Ramón Noguera, head of tunnels; Guillermo

> We have good memories of the Despeñaperros project, of the people we met and of our new friends.

## Safety and the environment

Preserving the environment required an investment of 8 million Euros. The objective of the measures implemented was to reduce and mitigate environmental impact. This included the elimination of one of the existing roads to increase road permeability and habitat connectivity, creating a green corridor in the former National IV road.

The banks of the rivers were also cleaned and restored and the habitats of species such as the lynx, deer, and boars were improved. It also included reforestation and selective pruning to prevent forest fires, integrating the landscapes at the mouths of the tunnels, and restoring the landscape, acoustic protection and the preservation of archaeological remains.

### Viaducts and tunnels

The construction of the necessary viaducts and tunnels underscore the significant engineering work involved in the project. Three large, double aqueducts were built: Santa Elena (160 metres long); El Manantial (550 metres); and The Tinajuelas (580 metres).

Another viaduct crossing the Despeñaperros river was also built stretching over 380 metres over the Madrid-Seville railway and the current road to Madrid. In addition, the project involved the construction of another metal arch-type viaduct over the Cuchareros brook and the 420 metre-long Corzo tunnel, as well as the La Cantera (240 metres) and the Despeñaperros tunnel (1,925 metres long) under the "Los Órganos" nature site.

The project also included the construction of a double, underground electric grid to feed the tunnel from the Almuradiel substation up to Venta de Cárdenas (15 kilometres) and a tunnel control centre featuring safety equipment to supervise and to handle any incidence that could arise along the length of the tunnel.

Pardavila, head of Installations; Inmaculada García, administrative clerk; Salvador González, in charge of Structures; and hundreds of professionals thanks to whom, Despeñaperros has become a symbol of Spanish engineering.

The people who work at the company are what makes FCC a reference in the industry and represent the future of FCC. The combination of talent, experience, enthusiasm, dedication, and teamwork ensure the success of any project.

This is precisely the case in relation to the team who worked at Despeñaperros. After working together in this project for more than six years, they are now aware of the importance of the project that they were able to bring to fruition.

"We've been together for almost six years and the personal relations among all colleagues are very strong. We were able to create a very good team, a permanent team", said Pedro Vega, the head of the Despeñaperros Project.

The work to complete the project will be finished by 2012. This will involve the Santa Elena and Aldeaquemada sections. This project affects current traffic in the existing roads. The existing viaduct at the southern part of the current tunnel must be demolis-

hed and this will make it possible to finish building the new El Corzo viaduct.

The 9.4 kilometre long, three-lane road going north will reduce driving time and will imply a significant improvement in terms of safety and driving convenience. The infrastructure which currently supports traffic of approximate 24,000 vehicles, 30% of which are trucks and heavy vehicles, will be increasing to 50,000 vehicles by the year 2025.

The new route replaces the previous road full of curves into a modern road without disregarding environmental aspects along its length.

The preservation of the environment and safety were the key objectives of the Ministry of Public Works, FCC and other entities involved since part of the new road section runs through the Natural Despeñaperros Park – as mentioned by Pedro Vega, head of this major project. He told us "The project was approved by the Despeñaperros Natural Park and we have to execute a third phase of the project which contemplates several extraordinary environmental measures, including bringing back rabbits to benefit the natural habitat of the lynx population. One of the current roads will be demolished so that we can have a green corridor. This implies the movement of more than a million cubic metres of earth and reforestation, planting about two hundred thousand plants. This will be done by planting the seeds of protected species from the park that we collected".

There are several anecdotes about their experience during the project. Ignacio Ferraro, the head of the Technical office, told us about the eagle which made its net the

## Enormous economic value

In the opinion of FCC's chairman and CEO Baldomero Falcones, "the Despeñaperros project once again demonstrates that Spain must remain committed to developing infrastructures that are critical for the country's development and that boost economic growth". He added that "Infrastructures, such as the recently inaugurated road sections, have enormous economic value for the central part of Spain and for Andalusia, as well as for the rest of the country".

> At FCC, people represent a differential value and the future of a major Group such as FCC depends on them.

Aldeaquemada area: “we had to stop the project, the movement of earth, and wait until the eagle laid its egg. The eagle did this, we saved the egg, and then continued with our work”. Another story involves the Cuchareros Viaduct. Ignacio told us that “a vulture came while we were working on assembling the steel framework. The vulture flew down to the area where the piles were located and landed at the foundations while concrete was being poured, we had to very careful so that we would not harm the vulture which surprised us with its very large size”.

All of them have great memories of this project, of the people they met, and of their new friends.

Happy, although sad at the same time because the project has been completed, they are convinced of the importance of this work, of being together, and of their achievement, as Pedro Vega mentioned while accompanied by his colleagues.

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# Communities

# .A.S.A., a truly exemplary company in the Graz business sector

Graz, the capital of the federal state of Styria, has a population of 294,000 of which 263,000 have principal residence status. The second most important city in Austria, Graz is situated on the banks of the Mur River in the centre of the Grazer Becken valley.

Graz has become a university city being the home of six universities and more than 45,000 students. The city was named "City of Human Rights" and was awarded the "Europe Prize".

Its historic district and the Eggenberg Castle were added to the UNESCO World Heritage List. It is also the head of the Graz-Seckau dioceses. Since March 2011, Graz was also named the "City of Design" by UNESCO and is a member of the Creative City Network.

In 1999, the historic centre was included in the UNESCO World Heritage list due to the harmonious co-existence of typical buildings from different periods and architectural styles. The historic centre, which spreads throughout the entire Innere Stadt district and several adjacent areas, is the home of most of the city's landmarks. The city is dominated by the Schlossberg hill which gives its name to the small castle which was used as a fortress from 1125 until 1809.

The very steep Sporgasse Street is on the southern side of the hill. This is the site of the Palais Saurau, the Stiegenkirche (the Church of the Stations of the Cross) and the Deutschorden courthouse. Sackstrasse is another street similar to Sporgassed.

The second largest opera house in Austria, the Graz Opera is close by. It was built in the nineteenth century and designed by the Viennese architects Fellner und Helmer, and is close to the city's park, the Stadpark. Franziskanerkirche (Franciscan Church) is

the second-largest one in Graz and is on the east bank of the river. Right in front, at the other side of Mur is the modern Kuntshaus (House of Art), a modern architecture building. Between the two buildings, the artificial floating platform Murinsel awaits visitors. There are many other places of interest outside the historic district such as the Karl-Franzens University, the Technical University building, the University of Music and Art; the General Joanneum Museum, and Leechkirche, the oldest church in the city built in 1202.

The Graz metropolitan area produces one-third of the net industrial output in the province and accounts for nearly 40% of the jobs in Styria, Graz and its province, Styria, are the technological hub of Austria and represent one third of all technological innovation originating in this region. The Grazzer Herbstmesse trade fair has been held at the Graz convention hall since 1906 and each year welcomes more than 200,000 visitors.

## Interview with Mag. Siegfried Nagl, the mayor of Graz

**Why has Gras selected .A.S.A. as its partner for waste collection and treatment?**

For many years, .A.S.A. has been an integral part of the waste management system in the city of Graz which wishes to have an optimised waste management service from both the ecological as well as from the economic standpoint. As a professional partner, .A.S.A. contributes significantly to fulfilling this objective.

**How does Graz benefit from its collaboration with .A.S.A.?**

Particularly hazardous waste is collected and accepted by .A.S.A. for its subsequent professional handling. This delicate task can be entrusted only to a reliable partner. .A.S.A. also handles biodegradable waste as the subcontractor of SERVUS ABFALL, a Holding Graz subsidiary.

**Is the city satisfied with the services provided by .A.S.A.?**

.A.S.A. utiliza el sistema local de remol.A.S.A. uses the local towage system for transferring waste collected in Graz at Auer-Welsbach-Gasse to the Zisterdorf incineration plant. The city also benefits from its collaboration with .A.S.A. in this respect.

In short, .A.S.A. is a truly exemplary company in the business sector of the city of Graz.

Servicios Ciudadanos