# Communication Network

News for the people of FCC

ISSUE 31 2016

# FCC Industrial, increasingly international

New contracts in the **Dominican Republic** and **Dublin** (Ireland)

FCC Medio Ambiente signs 1st Equality Plan

The Group launches its Housing Plan exclusively for employees and close family members

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# FCC Housing Plan

## exclusively for fcc group employees and their direct family members

FCC and the real estate company Realia have launched a plan offering homes just for FCC Group employees and their direct family members (parents, children and siblings) with a 10% discount over the prices offered to the public, in addition to special financing for all employees.

You can check the available promotions of primary residences in Madrid, Valladolid, Valencia, Seville, Huelva and Vitoria at the Company's Intranet. We remind you that these homes will be offered until 31 March.

Also, in the Intranet, you can find current offers and developments of vacation homes in Mijas (Málaga), Roquetas de Mar (Almería) and Sant Feliu de Guixols (Girona), valid until 31 May.

# Check the promotions in One, FCC Group´s Intranet

**Terms and conditions of the offers** | If you want to obtain further information, click on the promotions:

## Madrid

**Realia Parque Valdebebas, Valdebebas** REALIA

- Junto al lago del Parque Central
- Piscina, pádel, jardines, área de juegos
- 1, 3 y 4 dormitorios

**Jardín del Vivero II, Fuenlabrada** REALIA

- Junto al Hospital y Universidad de Fuenlabrada
- Piscina, jardines y área de juegos infantil
- 1, 2 y 3 dormitorios

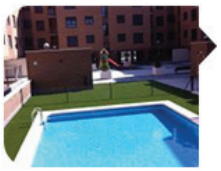
**Ronda Luz, Pinto** REALIA

- Urbanización con sistemas de seguridad y vigilancia
- Piscina, jardines, pádel, zona deportiva y juegos
- 2 y 3 dormitorios

**Altos de Campo Real, Campo Real** REALIA

- Chalets pareados de 4 dormitorios
- Parcelas desde 300 metros.
- Buhardilla perfectamente terminada

## Valladolid



**Soto de la Encomienda, Arroyo de la Encomienda** REALIA

- Urbanización con piscina y área de juegos
- Excelente diseño y calidad
- Viviendas y áticos 1, 2 y 3 dormitorios
- Armarios empotrados y cocina amueblada
- Junto al Parque Comercial RIO SHOOPING e IKEA

**Arroyovereda, Arroyo de la Encomienda** REALIA

- Urbanización con piscina, área de juegos y pádel
- Excelente diseño y calidad
- Viviendas de 1 y 2 dormitorios
- Armarios empotrados y cocina amueblada
- Junto al Parque Comercial RIO SHOOPING e IKEA

# Plan Vivienda FCC

**CONSULTA PROMOCIONES EN:**
Madrid, Valencia, Valladolid, Sevilla, Almería, Málaga, Huelva, Girona y Vitoria

## Sevilla

**Hato Verde Viviendas, Guillena** REALIA

- Viviendas de 2 y 3 dormitorios con estilo de Pueblo Andaluz
- Amplias terrazas y bajos con jardín
- Zonas comunes con piscina, juegos infantiles y zonas ajardinadas

**Hato Verde Villas, Guillena** REALIA

- Villas independientes de 6 dormitorios con parcelas de más de 600 metros
- Chalets adosados de 5 dormitorios en parcelas de 200 metros y zonas comunes con piscina y jardines
- En primera línea del campo de golf. Casa Club con restauración y servicios

**Pino Montano** FCC

- Vivienda colectiva de Protección Oficial de Régimen Especial de 2 dormitorios
- Plaza de garaje y trastero incluido
- Urbanización privada con pista de pádel y amplias zonas comunes

**Mairena de Aljarafe** FCC

- Vivienda colectiva de Protección Oficial de Régimen General de 2 y 3 dormitorios
- Plaza de garaje y trastero incluido
- Urbanización privada con piscina, pista de pádel, juegos infantiles y zonas ajardinadas

**Polígono Aeropuerto** FCC

- Vivienda colectiva de Protección Oficial de Régimen Especial de 3 dormitorios
- Plaza de garaje y trastero incluido
- Urbanización privada con amplias zonas comunes

## Huelva

**Seminario** FCC

- Promoción de viviendas de V.P.O. en Régimen Especial
- Viviendas de 2 dormitorios con plaza de garaje y trastero
- Amplias zonas ajardinadas y de recreo, incluido pista de pádel

# Vitoria

**Arkayate** FCC

- Promoción de viviendas de V.P.O. en Régimen General
- Viviendas de 2 y 3 dormitorios con plaza de garaje y trastero
- Amplias zonas comunes

# Valencia

**2@Patraix** REALIA

- Junto al metro (estación Safranar)
- Garajes opcionales
- Viviendas 1, 2 y 3 dormitorios

# Segunda Residencia

**Aguaserena, Roquetas de Mar, Almería** REALIA

- A 300 metros de la playa
- Junto al campo de golf Playa Serena
- 1 y 2 dormitorios con garaje y trastero
- Piscina, jardines y juegos infantiles

**Equmar, Mijas, Málaga** REALIA

- Vistas a la Bahía de Mijas
- Junto al campo de golf El Chaparral e hipódromo
- 2 dormitorios con garaje y trastero
- Piscina y zonas ajardinadas

# FCC's revenue rose 2,2% in 2015, due to growth in international markets

> Carlos M. Jarque, executive director and CEO of FCC: "2015 was a year of profound change in the operation, finance and management areas of the Group."

FCC Group's revenue was up 2.2% to 6.476 billion euros in 2015. This improvement was due to a 9.8% growth in revenue from international markets, which was seen across all business areas, particularly Water (+39.5%). FCC Industrial, the group's installation, service and maintenance business, saw revenues rise 7.5%. Its EBITDA was also up 3.8% due to collaboration and exploration of synergies with business across FCC Group.

Conversely, turnover for the Group in Spain fell 3.7% to 3.4078 billion euros. This was mainly due to a 13.4% reduction in domestic revenue for the Construction business as a consequence of the continued fall in domestic infrastructure investment in recent years.

FCC Group has reduced its net losses to 46.3 million euros compared with 724 million euros last year. Had it not been for the impact of discontinued operations and allowances made for the sanitation process, profits would have totalled 35.1 million euros.

Among last year's lines of action, Carlos M. Jarque, executive director and CEO of FCC, said that "we have focussed on working as a Group with synergies in strategic aspects, new structures in different areas and reducing costs." The capital increase of 709.5 million euros approved on 17 December 2015 and the debt write-off negotiated and agreed on of at least 15% of the so-called Tranche B, are among the milestones of 2015.

"These operations will bolster the capital and financial structure of the Group. Furthermore, it will allow us to reduce debt, strengthen Cementos Portland and harness resources for other strategic corporate purposes," added Jarque. He also stated that, "2015 was a year of profound change in the operation, finance and management areas of the Group."

The gross operating profit (EBITDA) for the Group was up 1.3% to 814.6 million euro, despite the impact of low sales of CO2 emission rights in the Cement area. Without the effect of these low sales of rights, the gross operating profit would have been up 3.5%. Savings in Corporate Services also contributed to the increase in EBITDA.

At the year-end, the Environmental Services and full-cycle Water Management businesses accounted for 79.3% of the gross operating profit of the Group. The

> Gross operating profit (EBITDA) was up 1.3% to 814.6 million euros despite the low sale of CO2 emission rights in Cemento - without which profit would have been up 3.5%

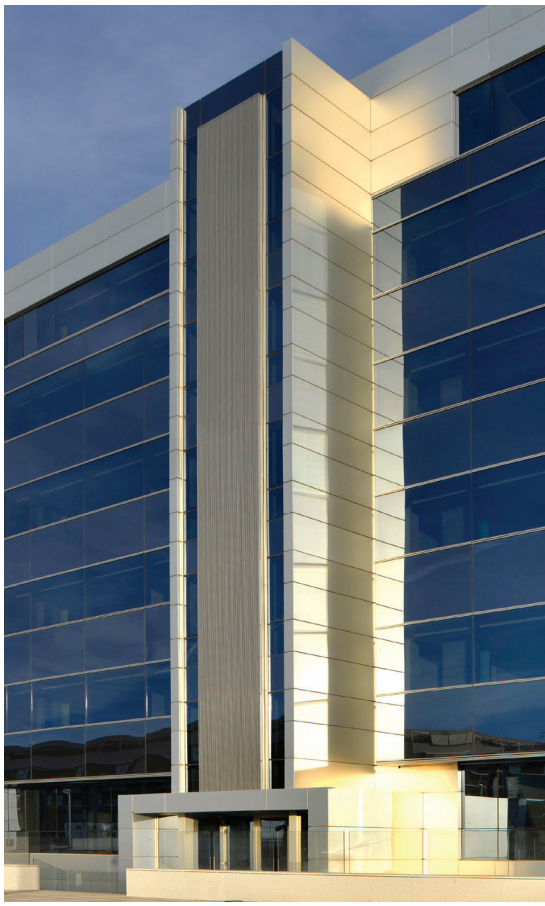
# KEY FIGURES

| Million Euro | Dec. 15 | Dec. 14 | Chg. (%) |
|---|---|---|---|
| Net sales | 6.476 | 6.334,1 | 2,2% |
| EBITDA | 814,6 | 804 | 1,3% |
| *EBITDA margin* | 12,6% | 12,7% | -0,1 p.p |
| EBIT | 323,8 | (345,6) | n.a |
| Income attributable to equity holders of the parent compa y | (46,3) | (724,3) | -93,6% |
| Net interest-bearing debt | 5.473,6 | 5.016 | 9,1% |
| Portfolio | 32.499,7 | 32.996,5 | -1,5% |

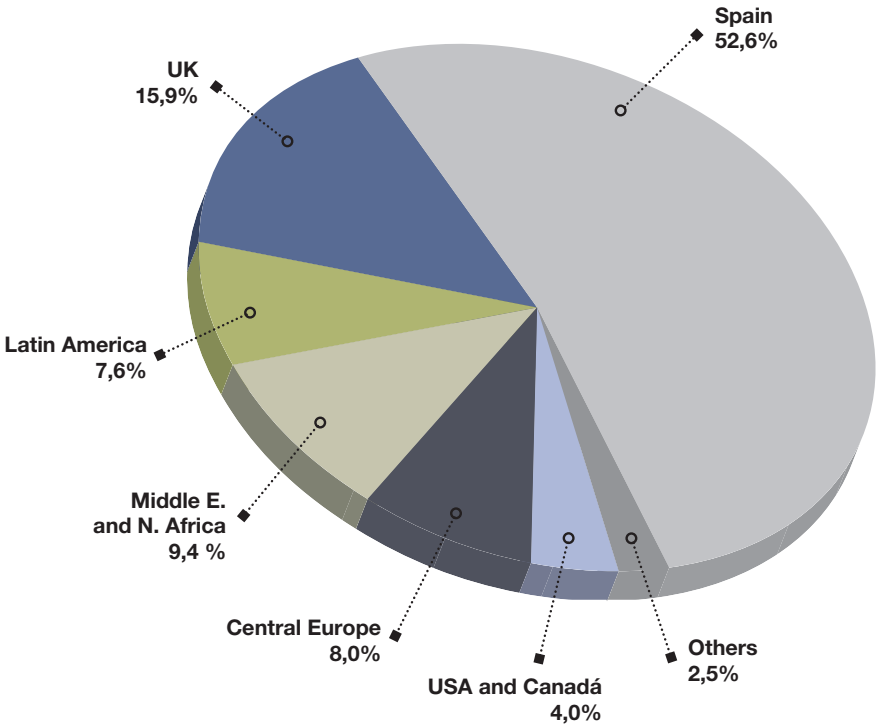
remaining 20.7% came from cyclical activities linked to infrastructure and building construction.

Net financial debt at 31 December 2015 was 5.4736 billion euros, representing a decrease of 243.9 million on last September and an increase of 457.6 million euros with regard to the year-end 2014. This increase is largely due to the reclassification of long-term financial assets in the Construction area, the effect of the exchange rate on foreign currency denominated debt and the reduction in the cash balance.

As regards the business portfolio, the amount totalled 32.5 billion at year-end 2015, in line with the 32.996 billion at year-end 2014. These figures Group's represent a continuation of historically high levels seen in recent years. The Water business represents 44.4% of the total portfolio, while Environmental Services represents 36.4%, with Construction the remaining 19.2%



## % Revenues by region




"Environment and Water units accounted for 79.3% of the gross operating profit (EBITDA) and had positive net profit"

# Milestones of the financial year

## Capital increase for the amount of 709.5 million euros

On 17 December FCC Group's Board of Directors agreed to implement a capital increase of 709.5 million euros at an issue price of 6 euros per share. The aim of the operation was boost the Group's capital structure and reduce financial debt. The Group's two main shareholders, who are both on the Board, committed to subscribing their shares. Similarly, Inversora Carso undertook a commitment to subscribe any amount that did not correspond to other shareholders during the ordinary subscription process. The funds from the capital increase will be received on 4 March 2016.

## FCC Aqualia secures its biggest contract ever in Egypt (2.400 million euros)

ELast August, an FCC Aqualia-led consortium was awarded the tender for the Abu Rawash treatment plant located in Cairo (Egypt). When the plant is fully operational, it will process 1.6 million m3 of water daily. It will also provide service to 5.5 million people, making it one of the largest treatment plants in the world. Additionally, in this financial year, FCC Aqualia won further important international projects, in line with its strategic objectives. This includes projects in Latin America (Mexico and Chile) and Saudi Arabia relating to treatment plant network set-up and maintenance.

## FCC Medio Ambiente awarded a waste recycling contract in Dallas (US) for a period of 15 years

In November the Environment Services area of FCC was awarded a contract for the construction and operation of a waste recycling plant in Dallas. The 15 year contract, extendable for an additional 10 years, will generate approximately 270 million euro in revenue. This followed the announcement in September last year that FCC had secured a contract for the collection of municipal solid waste in two areas of Orange County (Florida). The 85 million euro contract is for a period of 10 years and will provide a service to 400,000 residents. In Spain, the sales of the Environmental Services area amounted to 1.400 billion euros over the financial year.

## FCC Construcción is leading the consortium for the construction of the 392 million euro Toyo Tunnel

Last October a consortium (with FCC comprising 40%) was awarded the construction project of the Toyo Tunnel and an adjacent section of highway in Colombia for a total of 392 million euros. The award contemplates the design, construction, operation and maintenance of the tunnel for a 10-year period. Furthermore, in May last year a consortium that FCC took part in was awarded the contract to design and build Line 2 of the Panama Metro for a total of 663 million euros.

## The sale of Globalvía for approximately 210 million euros

In July, FCC, which owned 50% of Globalvía, agreed with the shareholder of the other 50%, to sell the entire company, amounting to 210 million euro for FCC. The agreement is structured in one payment of 834 million euros, expected to be made in the first half of 2016, and another which could be around 127 million euros, which is payable in February 2017.

8 marzo

Día
Internacional
de la **Mujer**

# FCC joins the He For She and Adecco campaigns in support of International Women's Day

FCC, once again, joins the celebration of International Women's Day, a worldwide event which has become a space for reflection on the progress achieved by women and on other aspects that still require improvement.

At FCC, this year we want to disseminate the He for She solidarity campaign launched by UN Women, the United Nations organization dedicated to promoting gender equality and the empowerment of women.

He for She promotes equality and the integration of women in different fields, including the corporate world, and aims to imply men and children as defenders and participants in this cause.

In line with the guidelines in the work framework of the He for She campaign, FCC's commitment is reflected in its active involvement in promoting equal opportunities.

- FCC is a signatory of the United Nations Global Pact as one of the principles of UN Women's for the empowerment of women, offering practical guidelines on how to empower women at the work place.
- FCC considers management of equality and diversity an essential activity. Accordingly, it has an Equality and Diversity Policy that reflects its commitment to equal opportunities, respect for diversity, and the elimination of all types of discrimination or harassment.
- Furthermore, within the framework of the equality and diversity strategy, the Group has drafted and implemented, jointly with the main trade unions, seven Equality Plans since 2008 to date.
- In 2014, the main Group companies signed four agreements with the Ministry of Health, Social Services and Equality to increase the number of executive women in its management bodies and to achieve, in this manner, a balanced gender presence in corporate management positions.

We encourage you to take part of the He for She initiative by visiting this website: http://www.heforshe.org/en#.U20zjlfEHIk.

On this occasion, FCC is also taking part in the campaign sponsored by Fundación Adecco "No le pongas género, ponle talento" which reflects on the problem faced by thousands of women in our country because of double discrimination: for being women and for their social and personal situation.

Watch the video

http://fundacionadecco.org/empleoparatodas/

## Seminar at the Las Tablas headquarters

Coinciding with the celebration of International Women's Day, FCC organized a seminar at its Las Tablas headquarters to debate the current role of women in society and, most importantly, in their evolution in the corporate world.

Doriana Bagnoli, director of Fundación Prevent's social and labour inclusion area, was the special guest speaker, contributing her vision on the evolution of women from the perspective of disabilities.

# International Women's Day

## Message from the Chairman, Esther Alcocer Koplowitz, and the CEO, Carlos M. Jarque

The celebration of International Women's Day encourages us to recognise the courage and the determination of women who have played and continue playing a key role in the history of their countries, companies, institutions, and communities. It is also an opportunity for reflecting on the progress achieved and on the important challenges that lie ahead.

Under the initiative, «Planet 40-50 by 2030: Step it up for Gender Equality», the U.N. has proposed several objectives to be achieved in the 2030 horizon, including, ending all types of discrimination and violence against women and girls throughout the world.

As you know, at FCC we have been developing for years equality policies within our own companies. In 2015, at the Group we have signed four new Equality Plans: FCC Construcción's 2nd plan; FCC Aqualia's 2nd plan, as well as the first plans at Special Cleaning Services and at FCC Medio Ambiente. Besides these plans, other Group companies already have their own equality plans: Fomento de Construcciones y Contratas, S.A, Cementos Portland Valderrivas, FCC Industrial and Infraestructuras Energéticas, S.A.

Also, last year, FCC Industrial was awarded the Company Equality Seal by the Ministry of Health, Social Services and Equality in Spain; a sign of excellence and recognition for applying policies contemplating equal work conditions, organizational models, and in other areas such as company services, products, and advertising. FCC Aqualia has also been awarded this recognition.

These plans and awards represent the achievement of everyone and reflect the commitment of all of us who are part of the FCC Group.

To be able to achieve real equality in our companies, it is essential to increase the number of women in managerial positions. Little by little, we have increased the number of female executives, currently 24% of the total. We will have to increase this percentage over the coming years since, if equality advances, so does society, the economy and companies. Therefore it is the responsibility of everyone, men and women, to promote it and to eradicate anything that might represent an infringement of this right.

At FCC, we will continue to enable and favour the access, training, and promotion of women who are part of our Group since we are convinced that this will have a positive impact on all of us.

Warm regards for everyone. Let's celebrate this day by joining forces to achieve the justice and equality to which we all aspire.

**Esther Alcocer Koplowitz**
Chairman of FCC

**Carlos M. Jarque**
CEO

# Avila's City Council gives recognition to FCC Aqualia as a "Company socially committed to Equality"

In the photo above, from left to right: José Luis Rivas, Carmen Rodríguez, Ángel Luis Pérez and Julia Martín. Below, an image of the award.

As part of the activities to commemorate International Women's Day, the city council of Ávila organised an event to honour people, institutions and companies for their work in favour of real equality among men and women.

The mayor of Ávila, José Luis Rivas, highlighted the fact that, in relation to the corporate world, the Plenary Meeting of the Municipal Council for Equality among Men and Women, at its meeting on 4 March, "unanimously awarded the Equality Committed Company seal to FCC Aqualia". The award, given by councilwoman Julia Martín, was collected by Carmen Rodríguez, manager of Human Resources, and by Ángel Luis Pérez, the manager of the Castile and León branch office.

Carmen Rodríguez thanked the City Council and the Municipal Council for this recognition and mentioned that the FCC Aqualia Equality Plan contemplates a series of specific measures in areas such as employment, promotion, training, remuneration, conciliation, and the prevention of harassment. Rodríguez highlighted other information measures to create awareness in the team and to include equal opportunities in the Company's policies.

FCC Aqualia's representative ended her speech with a message aimed specially at the school children who were present at the event, encouraging them to work towards achieving equality in the future. The children gave a performance at the closing of the event which stressed that boys and girls "are equal, but very special".

# FCC Construcción Central America celebrates International Women's Day

March 8, International Women's Day, is a very important day for all women around the world. We remember the many battles that were fought and won in different periods by women who were not willing to give up.

FCC Construcción Central America joined this significant celebration to pay homage to the women who are part of the Company.

The various branch offices and projects watched a video that described the major milestones in history when groups of women raised their voices to express themselves and let others know their opinions. The video also included testimonies of the women who have been working for several years at FCC who, with their efforts and dedication, have given the best of themselves in the jobs that they perform.

## FCC women in Panama share their experience in a new video

# FCC Real Estate,

## the new FCC Group real estate portal

We are pleased to let you know about the launch of the new FCC Real Estate portal.

Via www.fccrealestate.com you can access the portal that merges the housing, commercial units, offices, garage and storage spaces that the company currently has on the market, whether it be for sale rent.

They are properties spanning over many different categories and sizes that are for available for sale, rent, private use or investment.

The portal has been set up in order to offer a comprehensive service that is not limited to establishing communication between buyers and sellers, but rather to meet the needs of our clients by providing them with spaces in line with their personal or professional requirements, offering a legal, fiscal and financial service that is essential for adequate property management.

We hope you like it!

Access FCC Real Estate

**www.fccrealestate.es**

# Carlos M. Jarque meets with Panamanian authorities and with the managers and staff of FCC to analyse and promote projects in this region

**The executive director and CEO met with Juan Carlos Varela, president of the Republic of Panama.**

Carlos M. Jarque, the executive director and CEO of FCC visited Panama to gain firsthand knowledge of the status of the projects and to meet with the staff and managers of the Citizen Services Group. During his stay in the Central American country, Jarque met with the leading local authorities, including Juan Carlos Varela, the president of the Republic of Panama.

During his first trip to Panama as the executive director and executive director and CEO of FCC, Jarque was able to learn about the projects that the Group is currently executing in the country, including the most important ones, such as Ciudad de la Salud (the largest hospital complex in Central America and the Caribbean) and Line 2 of the Metro system. He also learned about the outlook of future project tender processes.

During his meeting with President Juan Carlos Varela, FCC's executive director and CEO expressed the determination and responsibility of the Citizen Services Group in reactivating the Ciudad de la Salud project and its commitment with the country and interest in participating in future projects such as Bridge 4 or the new Metro line in the country's capital. FCC's CEO also met with other members of the Executive Branch and with various diplomats in the Central American country.

Jarque also took advantage of his presence in the country to meet with the Group's employees and managers to explain his strategy and gain firsthand knowledge of their opinion on the projects in progress in the different areas as well as to analyse the future of the Group in Panama and in other Central American countries where it develops its activities.

In the various meetings with the managers and employees of FCC Central America, the Group's executive director and CEO expressed his support for promoting the different projects and at the same time, gained first hand knowledge of the projects currently in the pipeline for the future. The team members also had the opportunity of expressing their opinions and suggestions in their meeting with Jarque.

> "The Group re-launches Ciudad de la Salud, the largest hospital complex in Central America and in the Caribbean"

Carlos M. Jarque was pleased to meet some of the members of the working group in Panama who are carrying out important projects.

# Fundación Transforma España launches the 2016 edition of the Multi-company Talent Development Program

Some of the most important companies in the country are participating in the 2016 edition of the Multi-company Talent Development Program to train future leaders, applying tools to enable the sharing of the best practices among professionals and companies. Sponsored by Fundación Transforma España, the aim of the initiative is to accelerate the presence of young, high-potential profiles in the Management Committees of companies in Spain.

The companies participating in this first group are 3M, Cofares, FCC, Fundación Once, FSC Inserta, General Electric, Grupo SM, Medtronic, Mondelez and Xerox. They will be forming working groups with more than 60 employees participating who, divided by specialties, will share the knowledge of the different companies by means of tools such as mentoring and coaching to develop talent by applying the experiences of other companies and by being in touch with other professionals in the various organizations that can contribute a different point of view and different ways of doing things.

After the program's pilot test in 2015, with the collaboration of Adecco, APD, BBVA, FCC, Everis, Iberia, Leaders Trust, Lee Hetch Harrison, Microsoft, Russell Reynolds Associates, Santander, Telefónica, Unidad Editorial y Zurich, a tool guide for future editions was prepared which can be adapted in the event that the groups consider it appropriate. Thanks to this manual, companies of any size can showcase their in-house talent, individually or through multi-company experiences, adapting the program to the needs of each company, in a scalable manner, to new cities, entities, and the size of the work groups. The guide is available to any company, free-of-charge, at the Foundation's website thus making it possible to reproduce the program in any geographical location in the country.

The 2016 edition of the program will therefore be launched with the collaboration of these 9 companies. More than 40 other companies have shown an interest to date and will be part of the new groups to promote learning and the decision-making process based on experiences. In fact, there will be a total of four working groups, two in Madrid and two in Barcelona, and the first steps are being taken to implement this initiative in Valencia.

## First collaborative economy program in Spain

The Multi-company Talent Development Program is the first collaborative economy program in Spain, focused on managing and developing the capabilities and skills of employees, and one of the few in Europe in which companies from different sectors participate.

This new talent management method is underpinned by two pillars: inter-sector collaboration that lifts traditional corporate barriers on the basis of transparency and joint progress, and the development of the self-leadership, responsibility and initiative of the youngest employees in their own career development.

Through the inter-company exchange of methodologies, procedures, managers and mentors, multidisciplinary profiles and the skills, required for success in the corporate world, are developed.

# FCC selects the best university talent through Alumni Global Search

The FCC Group and Alumni Global Search, the largest university job notice board, have entered into a collaboration agreement to promote the incorporation of college profiles or recent graduates in the company.

Cristina Rodríguez, the manager of FCC's People Development Department, Zulema Mateos, head of FCC's Talent Management, and Nacho Travesí, the director of Alumni Global Search España, have sealed the basis for this collaboration.

FCC and Alumni Global Search join forces to address juvenile unemployment, incorporating in the Company the young students who best meet the job criteria to complete their training, acquire professional experience, and the necessary competencies for joining the job market.

Alumni Global Search looks for the best students and recent graduates who meet the requirements and fit in with the company's corporate culture for its recruitment process among the more than 100,000 university students who are registered in its platform.

FCC is committed to in-house training on the subjects, in which it specialises, thereby aligning the company's achievements with the projection of those who work at the company.

The university students who finally join the human team f the Citizen Services Group will contribute to ensure that the countries where the Group operates has eco-efficient infrastructures and services in the best surroundings based on participative, attractive and professional work.

# 1st edition of the Classroom for Entrepreneurs organised by Fundación Prevent in Madrid

## FCC participated in the program

Fundación Prevent celebrated in Madrid the award ceremony for the 1st Edition of the Classroom for Entrepreneurs which rewards and recognises talent, innovation, health, and social inclusion by providing aid to university students, entrepreneurs, and athletes who have some sort of disability.

The program combines classes given by ESADE professors and also counts with the altruistic collaboration and participation of private companies that are references in their respective business sector, such as FCC since, among the objectives of the Group's Corporate Social Responsibility area is to promote equal opportunities and prevent any type of discrimination in job recruitment.

Representing the Citizen Services Group and accompanying the entrepreneurs was Cristina Rodríguez Agudín, director of People Development, Juan Carlos Saez de Rus, manager of Occupational Safety, Health, and Welfare. There were also other speakers who collaborated and discussed the subjects included in the training courses, including Ana Benita Aramendía, corporate director of Labour Relations, the Legal Counsel, and Safety and Health; Zulema Mateos Navacerrada, head of Talent Management; and Ana Mercedes Álvarez Diaz, from the People Development department.

# FCC Industrial, increasingly international

## Wins new contracts in the Dominican Republic and in Dublin (Ireland)

FCC Industrial follows the internationalisation drive of the Citizen Services Group. It was recently awarded new contracts in the Dominican Republic and in Dublin.

In the Caribbean island, the Company will be refurbishing the electricity distribution grids and upgrading the electricity meter system of a sector. In Dublin, it will be in charge of upgrading the aircraft fuel supply facilities and the hydrant system. These two contracts boost FCC Industrial's international presence and leadership positioning.

FCC Industrial has more than 25 years' experience in the construction and commissioning of industrial and energy installations. 2015 was the best year for the Company, both for its earnings growth as well as for the consolidation of its international presence with current projects in Mexico, Panama, Peru, Chile, Colombia, Saudi Arabia, Ireland, Finland, and the United Kingdom.

# Dominican Republic

## To refurbish the electricity grid

> The contract is worth 16.1 million euros

FCC Industrial won the contract for refurbishing the distribution grids and for upgrading the electricity meter systems for the State Corporación Dominicana de Empresas Eléctricas Estatales (CDEEE) in the Dominican Republic.

Last December, CDEEE organized an international tender process for the supply and installation of the equipment necessary for refurbishing the electricity grid in different parts of the island. FCC Industrial submitted the best technical and financial offer in the various lots. The entire contract totals the sum of 16.1 million euros and the execution term is 12 months.

The scope of the contract includes the revamping of the electricity consumption measurement systems thereby regularizing clients and/or users. It also contemplates the refurbishment of the medium and low voltage grids, the installation of electricity distribution transformers, and the standardisation of supplies.

Thanks to this infrastructure, FCC Industrial will make it possible to improve

the electricity supply capacity for the local population, reducing the number of failures.

Furthermore, the contract will enable the improvement of the safety of citizens through the installation of public lighting in zones that currently lack this service. It will facilitate the integration of the communities so that they take part in the project through the participation and representation of community organizations and users in the districts where these actions will be carried out.

## Experience

FCC Industrial builds, operates and maintains electricity grids for companies such as Endesa, Iberdrola and Gas Natural Fenosa. The Company also designs, rightsizes and builds medium and low voltage, underground and above ground electricity grids for different types of public and private clients.

# Dublin Airport

## Revamping the aircraft fuel supply facilities and the hydrant systems

FCC Industrial was awarded a turnkey or EPC (Engineering, Procurement and Construction) contract for upgrading the aircraft fuel supply and hydrant system facilities at Dublin Airport in Ireland. The contract, awarded by CLH Aviation (Oil and Gas Logistics Company) is worth 33 million dollars and is to be completed over a 36-month period.

The Dublin Airport Authority (DAA) put out to tender a contract for the concession of the oil supply facilities at Ireland's main airport. CLH was awarded the contract under a concession scheme.

In turn, CLH put out to tender a contract, among a restricted number of industrial companies, which was awarded to FCC after submitting the best technical and financial bid. The scope of the contract includes the construction of three double-wall storage tanks each with a capacity of 5,000 cubic meters, as well as the corresponding ancillary installations. These tanks will be in addition to the existing ones and increase the fuel storage capacity of the airport and its air traffic.

FCC Industrial will build a fuel loading platform for the tanks at the airport, the installation for the underground pipe network and the refuelling hydrants for aircraft at the runways, and will also build the fire protection facilities. The contract also contemplates the demolition and dismantling of existing facilities and the construction of the new control buildings and ancillary facilities.

These infrastructures enable FCC Industrial to improve the capacity of the aircraft fuel supply facilities at Dublin Airport, thereby increasing the speed of aircraft refuelling and, consequently, reducing waiting time.

> "The contract is worth 33 million euros"

### High added value

Besides this project, the Company has recently executed several high added-value projects such as the Mariña-Lucense Gas Pipeline (Spain), the enlargement of the regasification capacity at the Quintero LNG Plant (Chile), as well as the LNG storage tank at Pöri Harbour (Finland), the latter currently under construction.

These projects bring energy closer to the citizens and industries, facilitating local economic growth and boosting market synergies, all within a framework of sustainability and socially responsible growth.

# FCC completes work on the underwater structure of the Coatzacoalcos tunnel in Mexico

FCC completed the underwater works of the submerged Coatzacoalcos tunnel in the Mexican state of Veracruz. This implies the definitive connection of the city of Coatzacoalcos, Mexico's main industrial harbour, with Allende, home of the country's most important oil and petrochemical facilities.

The authorities, headed by Tomás Ruiz Gonzalez, Secretary of Infrastructures and Public Works (SIOP), Javier Duarte de Ochoa, the governor of the state of Veracruz, and Joaquín Caballero, the town's president, jointly with Enrique Díaz Valdés, country manager and the top FCC executive in Mexico, and Fausto González, managing director of Túnel de Coatzacoalcos de FCC Concesiones, toured the tunnel by foot during the inauguration ceremony.

The completion involved the last meter and a half of tunnel that was still pending of the submerged structure connecting the two banks of the Coatzacoalcos River. It is the first infrastructure of its kind in Latin America. This infrastructure will reduce the time it takes to cross the river from 50 to 5 minutes and will enable navigation to the Coatzacoalcos and Pemex harbours. It will also contribute to the industrial development of the river basin.

The project includes the execution of the 1,144 metre-long tunnel of which 696 metres are underwater. A transversal 25.1 x 9.6 section consists of two lanes in each direction separated by an emergency gallery and electromechanical facilities for the corresponding control, management and safety systems.

Watch the Video:
https://www.youtube.com/watch?v=8m5DqEaPH2w&feature=youtu.be

## Technological innovation and expertise

The Coatzacoalcos tunnel represents a technological innovation in the construction industry since it was possible to build in a dry dock adjacent to the river, the reinforced concrete sections, prepare them for their floating, towing, and placement on the river bed without having to use special machinery for drilling in the subsoil.

The concession contract, worth 156 million euros, was awarded in 2004 to a consortium comprising FCC and CAABSA which would be in charge of the project, construction, and would have a 30-year operations concession. The construction firm is an FCC Construcción Infraestructura y Filiales de México and OPC joint venture.

The FCC team, which has been operating in Mexico since 1994 and has broad experience, has executed major civil works projects that have contributed to improving communications and transport infrastructures in the country such as the Durango-Mazatlán highway across the states of Durango and Sinaloa, the Necaxa-Ávila Camacho motorway which includes the construction of the Ingeniero Gilberto Borja Navarrete, viaduct in Xicotepec (Puebla), between the municipalities of Nuevo Necaxa and Villa Ávila Camacho.

# "San'ah" the tunnel-boring arrives at the second station of the north section of Line 5 of the Riyadh Metro

Last 11 February, the "San'ah" tunnel-boring machine (TBM) arrived at the second station "5C1 in King Abdel-Aziz Road" of the north section of Line 5 of the Riyadh Metro. The machine drilled 35 kilometre of a total 4.9 km section corresponding to the distance of the three stations.

The machine's arrival at the second station marks an important milestone and represents a great advance, as explained by Jaime Freyre, the manager of the FAST Project: "firstly because it means that we are ahead of schedule and, secondly, because we are getting closer to the beginning of the next phase: the construction of the tracks".

"San'ah" will continue drilling the north section of Line 5 (green line) until it makes its way to "Riyadh Airbase Roundabout" where it will meet the second tunnel which is being drilled by the TBM "Dhafrah", the first tunnel-boring machine which started to drill in the Riyadh Metro project to complete the 12.9 km stretch of Line 5.

# Finance deal for the Metro de Lima awarded by the Project Finance International magazine

The Metro de Lima Line 2 Consortium won the Americas Deal of the Year award in the public-private partnership category, granted by the Project Finance International magazine (PFI) for the finance secured to build this metropolitan line that will connect Lima and Callao and which will include the Gambetta Avenue – Faucett Avenue section of the future Metro Line 4 in Lima, Peru.

The prize was collected at the award ceremony held in London by the representatives of the companies comprising the Concession Company (Iridium Concesiones, Cosapi, FCC, Ansaldo STS, Ansaldo Breda, and Salini-Impregilo).

The project finance was the biggest ever finance transaction in international markets undertaken by Peru for an infrastructure project. The project financing guarantees the funds to construct 35 kilometres of heavy underground metro between Ate and Callao, which, when inaugurated, will be able transport 660,000 passengers per day, a capacity which could double as demand increases.

PFI is a financial publication of the Thomson Reuters Group that specialises in Public-Private Projects (PPP) of a global scope. The prize is among the most prestigeous in the sector.

## The tunnel-boring machines ready to travel to Peru

# Terrassa
## Cataluña

# Extension of Line S1

**of the Railways of the Generalitat de Catalunya in Terrassa, the most important public works executed in the city**

The work consisted of a 4.5 km extension of a double tunnel, the construction of three new stations (Vallparadís Universitat, Terrassa Estació Nord and Terrassa Nacions Unides), a train depot, and three emergency exits.

It is one of the most important public works in Terrassa's history and also one with the greatest archaeological value. Remains of human presence, dating back one million years were discovered during the execution of the project.

### The project

The project contemplates the construction of two tunnels with eight transversal galleries from the Terrassa Rambla Station to the northern part of the city, from Pozo de Can Roca to Rambla Égara.

The tunnels, with circular sections and built in parallel, are 6 metres in diameter in their interior and 4.5 metres long and lined with 30 centimetres thick concrete segments.

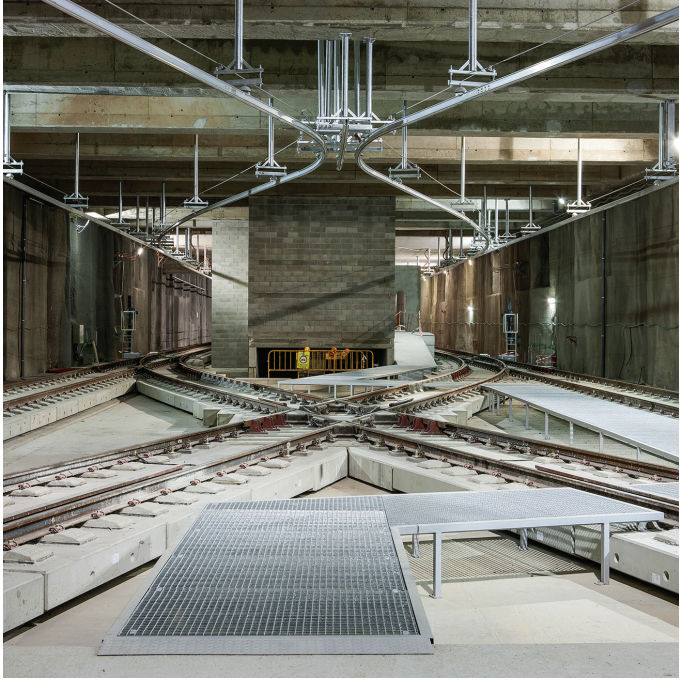
This underground engineering work was executed in a densely populated urban area and, accordingly, it was necessary to be particularly careful in order to minimise the impact in the city. The terrain where the project was built is varied, comprising mostly clay, with intercalated parts containing sand and gravel. FCC Construcción, however, was successful in tackling this major challenge.

### Innovation

Line S1 of Ferrocarriles de la Generalitat, marked the first time that FCC Construcción executed the assembly of the railway lines on top of floating slabs which provides greater comfort by reducing vibrations and noise when the trains are circulating. The segments lining the tunnel were made using prefabricated, 30 centimetres thick fibre concrete. An R+D report was prepared in this respect.

### Job creation

Since the project kicked-off in October 2003 until the line was commissioned in July 2015, more than 1000 professionals have worked in the execution of this project, peaking between 800 and 900 employees during the tunnel execution phase.



## Roll-out/Benefits for the community

The three new stations have been in operation since last summer, initiating a new era of public transport and mobility in Terrassa. In just eight minutes, it is now possible to cross the city from north to south from the Terrassa-Rambla to the Terrassa-Naciones Unides Station.

In addition, the new stations have become a centre of attraction for commuters, facilitating travel to the University Campus and the services that Mútua Terrassa will be offering in the same building as the Vallparadís Universitat Station.

Up to now, its use has increased 50% and it is expected that the number of commuters in Terrassa will increase to 5.5 million each year and there will be 3 million new users for the Vallès Metro.

# New stations and parking areas

### Vallparadís Universitat Station

Built under the Derechos Humanos Plaza, Iguadad Street, Jaquard Avenue, and Salmerón Street, the Vallparadís Universitat Station occupies an area measuring 3,200 m². The central platform is nine metres wide. It consists of six floors (platform vestibule, parking and services).

### Terrassa Estació del Nord Interchange Station

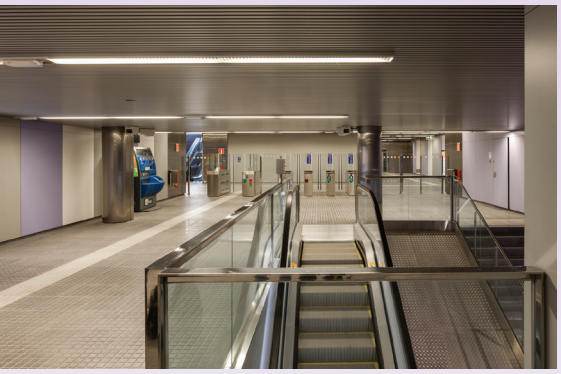
The Terrassa Estació del Nord Interchange Station, situated under Parc del Nord and Passeig 22 de Juliol, consists of an 11 metre-wide central platform and a two-level vestibule. The station links with the commuter train system by means of a connecting corridor and a walkway that leads to the Renfe Station.

### Terrassa Nacions Unides Station

Built under Avinguda del Parlament and with 5,300 m² of floor space, the Terrassa Nacions Unides Station has a central 11 metre-wide platform and consists of six floors (platforms, vestibules, and parking facilities) and features a maximum of 300 parking spaces.

### The Can Roca Train Depot

The 5,000 m² depot built in Can Roca, 40 metres underground below farm land, can accommodate eight trains.



# Improves

- Improves urban transport since it the metro line connects the strategic points in the city as well as cultural and tourist attractions: the historical centre, Universidad Politécnica de Cataluña, Hospital Mutua de Terrassa, Vallparadís Park, the monumental San Pedro site, the Castle-Cartuja, Baumann House, the Textile Museum, and San Lázaro Hospital. It also facilitates access to public transport in the city's districts under development.
- Improves transport to Vallès and Barcelona, either by Ferrocarriles de la Generalitat de Cataluña or the Cataluña Commuter trains.
- Improves railway commuting by enabling the interchange with the Commuter Trains (Lines R4 and R12 at the Terrassa North Station.
- Also improves interchange with the bus lines.

## [INTERVIEWS]

### Mª Carmen Juez

**Manager of the joint ventures**

*For the first time, railway lines were assembled on top of floating slabs in Line S1 of Ferrocarriles de la Generalitat, and, in addition, fibres were used in the construction of the segments.*

*I believe that the fundamental contribution of FCC is always value for people, technically, financially, and in terms of administration.*

*My experience has always been very positive. I consider myself fortunate for having taken part in such an important undertaking and my opinion of the Terrassa projects is also very positive, both technically and in terms of management.*

### Carlos Vaccaro

**Manager of the Infrastructure Projects of Generalitat de Cataluña**

*Even though it is an engineering project from the perspective of its important effect on the territory, we succeeded in minimising this impact in the city.*

*FCC's contribution in the execution of this milestone, the extension of the railway line of the Generalitat, has been very important. Thanks to the technical expertise of the personnel and the management capabilities, the overall valuation is positive.*

### Dolors Ramos

**Head of the Architecture Section**

*I am particularly fond of this project since, even though we encountered some problems, we have been able to address all of them.*

*Even though every project is unique, the fact is that although it may seem that you are starting from scratch, without knowing anything, at the end you have the advantage of havig past experience which helps you to resolve the problems that you may face no matter how different they may be.*

# FCC completes the south section of Line 9 of the Barcelona Metro

The south section of Line 9 of the Barcelona Metro, built by FCC, which connects the University Zone in the Les Corts districts, with Terminals T-1 and T-2 of Prat Airport, was opened to the public on 12 February.

The new subway line will improve mobility in the metropolitan area, connecting Barcelona, L'Hospitalet de Llobregat and El Prat de Llobregat. This metro section will enable access to Ciutat de la Justícia, Mercabarna and Fira 2 in L'Hospitalet, as well as to the two airport terminals.

The completed section includes 19.6 new kilometres of metro plus 15 stations six of which are transfer stations. FCC Construcción, in a joint venture with other companies, was involved in the execution of a large part of this infrastructure, building 14.95 km of tunnel with two EBP tunnel-boring machines, 7 stations, and 13 ventilation wells as well as the fittings of all the medium and low voltage installations, fire-fighting equipment, ventilation and air conditioning.

This section is part of a mobility project that will be completed with the construction of a section of Line 10 that will reach the industrial parks in customs-free zone and with the future connection with the central hub that will link the north and south metro sections of Line 9.

The start of operations of Line 9 South, worth an investment of 2,899 million euros, and an automatic drive system with no operator onboard, implies the most important expansion of the Metro system in the last 50 years and is expected to meet the demand of 23 million travellers each year.

With the inauguration of this new suburban metro section FCC consolidates its experience in railway infrastructures and bolsters its positioning as a leader worldwide.


El próximo autobús al que te subas puede ser para

salvar muchas vidas

Dona sangre

Cruz Roja Española

Centro de Transfusión

# FCC Medio Ambiente

## enters into agreements with universities and private centres for professional internships

Since 2015, the Murcia-Almería branch office has entered into numerous collaboration agreements with various official and private organizations for internships. These agreements include those signed with the Regional Employment and Training Service (SEF, Spanish acronym); with professional training centres and universities as well as private agreements with the Centro de Formación San Nicolás, Fundación Formación y Empleo Emilio González (FOREM-CC.OO.) and Centro 3000 Informática.

Some of these agreements were aimed at obtaining the professional certificate, such as the private agreements with the organization known as La Huertecica which is dedicated to integrating people at risk of social exclusion, and with the company Limpieza e Higiene de Cartagena, an agreement subsidised by the Regional Employment and Training Department and co-financed by the European Social Fund.

In addition to these private agreements, there were other collaboration agreements with Professional Education Training Centres in accordance with Organic Law

5/2002, enacted on 19 June, such as the agreements with Instituto Politécnico de Cartagena, Centro IES Politécnico los Angeles de Almería, Centro de Formación San Juan Bosco (Salesianos) and the agreement with Centro Integrado de Formación y Experiencias Agrarias (CIFEA), in Torre Pacheco (Murcia). Several training courses were organised such as: cleaning open spaces and industrial facilities, administrative management, job relations and human resources, management and organization of natural resources and landscape, gardening and floristry, urban and industrial waste management, automobile electro-mechanics, warehouse organization and management, and many other courses.

## Agreements signed in 2015

During 2015 and in this year, two collaboration agreements were signed by the University of Almería, FCC, and FCC Medio Ambiente.

These collaborations were developed at no cost for the company with the exception of the internships – dual training at the San Juan Bosco School since students receive a scholarship representing 80% of the Public Income Indicator of Multiple Effects (IPREM), the index used as a reference in Spain for granting aid, scholarships, grants, unemployment subsidies, and other aid.

All these internships involved a total of 11,480 hours of training and 65 students during the 2015/16 period.

The branch office has encouraged these internships because of their importance, both for students - since it enables to use the acquired technical knowledge in the job market – as well as for the company since these internships are excellent personnel recruitment tools. In fact, some of students were subsequently hired by FCC.

## 2016

Lastly, it is also worth mentioning that in March 2016 an agreement was signed for education cooperation by Federación de Asociaciones Murcianas de Personas con Discapacidad Física y Orgánica (FAMDIF/COCEMFE) and Limpieza e Higiene de Cartagena. The aim of this initiative is to facilitate the integration of people with disabilities in the workforce. The internship will entail the training cycle known as Ancillary Operations of Administrative and General Services.

# FCC Medio Ambiente renews its environmental commitment

FCC's Environmental Division recently renewed its registration in the Carbon Footprint, compensation and $CO_2$ absorption projects of the Ministry of Agriculture, Food and the Environment (MAGRAMA), in section a) carbon footprint and commitments to reduce greenhouse gas emissions.

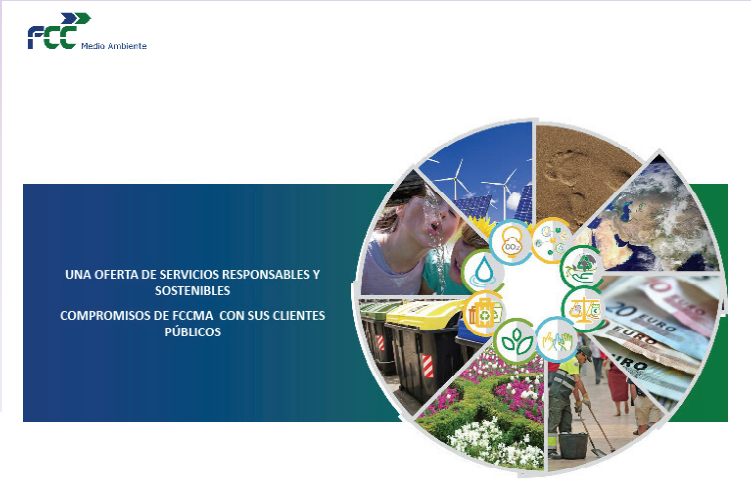
The Company submitted before the Spanish Office of Climate Change, jointly with the 2014 register of the carbon footprint, a report on the status of the greenhouse gas emissions (GHG) reduction plan in accordance with its commitment when it registered the carbon footprint for 2013 in the MAGRAMA Register.

Quantifying the objective of reducing diffused GHG emissions is the result of analysing the evolution of the organization's carbon footprint since 2011. This study made it possible to identify the sources of GHG emissions over which the company can and must act in order to reduce them. The scope of this objective focuses on GHG emissions associated to landfill sites which account for 46% of the direct emissions generated by FCC Medio Ambiente's organization.

Fulfilling the commitment of calculating and reducing the organization's carbon footprint will make it possible to bolster the positioning of a company that is willing to communicate with transparent information on its strategy for reducing GHG emissions and energy efficiency within the framework of low carbon economy, which will become increasingly more relevant in the organization and in the development of the city of the future.

## Commitments

PDF



# The Basque Government rewards FCC Ambito's environmental performance

FCC Ámbito was awarded a diploma by the Basque Government for the environmental management system implemented at the Ziérbana facilities in Vizcaya. The lendakari (president) of the Basque Government, Iñigo Urkullu Renteria, presided the award ceremony.

Julio Rodríguez Sesmero, head of the FCC Ámbito contract n Ziérbana, and Roberto Rivera Eguía, coordinator of Occupational Hazard Prevention and the Environment of FCC Ambito's North Branch, collected the diploma that was awarded for the five years of efforts and commitment to the European Eco-Management and Audit (EMAS) register,

The award ceremony coincided with the 20th anniversary of the EMAS Environmental Certificate. The Basque Government also recognized the commitment of the 28 companies that were recently registered in the EMAS Register of the Basque Country. The EU management and audit system (EMAS) is a voluntary tool used throughout the European Union. It helps companies and organizations improve efficiency in managing their resources, minimising hazards, and set an example of commitment to respecting and taking care of the environment.

The plant is able to classify, sort, process, re-package,, label, and store all waste classified as hazardous in the European Waste Catalogue in force, except for radioactive, explosive, and infectious waste.

## Description of the implemented system

The Environmental Quality and Management System at the Ziérbana facility, implemented in accordance with UNE-EN-ISO 9001:2008 and 14001:2004 Standards, and Regulation 1221/2009, ensures the prevention and control of environmental aspects in all waste management activities.

The system's objective is to ensure that the company complies with current laws, standards, and commitments that have been embraced by the company or by the Division's Management.

- It identifies the achievable environmental objectives in line with the Environmental Policy by applying the resources required to fulfil these objectives.
- It is integrated in the organization's general management system, defining the organizational structure, responsibilities, practices, procedures, processes and resources required for putting the Environmental Policy into practice.
- It contemplates a specific training plan that includes creating awareness and training all personnel in responsible environmental practices.

View of the deposits of Oviedo from a drone. At the foreground, the Picayon deposit, classified as a Heritage of Cultural Interest and included in the inventory as an architectural heritage of Asturias since 1928.

A technician explains to the students the functioning of the drone that keeps an eye on the deposits.

# The drone used to check the deposits in Oviedo becomes the leading player in the training seminar for students

FCC Aqualia, as part of its usual collaboration in training students and in keeping with its Corporate Social Responsibility policy (CSR), for the fourth year organised a technical conference on the main hydraulic devices that are part of the supply and sanitation networks as well as on the most recent technological innovations implemented for its management of Oviedo's Water Department.

The conference, held at the Doctor Fleming Secondary Education Institute, was covered by Televisión Pública de Asturias (TPA). Merced López, the director of the Institute thanked the City Council, represented by Ana Rivas, councilwoman of the Water Department, for her involvement and, "particularly, for the training efforts and commitments of FCC Aqualia year after year. For the Institute and the students, the information provided by the Company is very important". The representatives from Aqualia who participated in the seminar were Alfonso Tomás, department manager, and David Casado, head of the production department. Everyone who participated in the event considered that the initiative was "very important for the student's future incorporation in the job market".

The conference kicked off with a description of the most recent innovations implemented in managing Oviedo's Water Department, such using drones for checking the deposits,, inspecting the interiors using a robot with a TV camera, repairing pipes without the need for civil works by a using a milling robot, besides other innovations.

FCC Aqualia's technical personnel also showed students during the seminar the main characteristics of the different types of pipes and hydraulic devices. A video was also shown explaining how the automatic valves function, how connections are performed, as well as explaining the cleaning of sewerage pipes.

## Drones keep an eye on Oviedo's water network

Oviedo's water network is supervised by drones and robots that are able to detect any type of incidence.

# Portugal's Ministry of the Environment inaugurates the Carochos wastewater treatment plant in Abrantes

Abrantaqua, the company in charge of management and operations of the wastewater collection and treatment for the Abrantes City Council, inaugurated the Carochos wastewater treatment plant (WWTP) in a ceremony which counted with the presence of several personalities including: the Minister of the Environment, João Matos Fernandes; the Secretary of State for the Environment, Carlos Martins; the city's mayor, Maria Alburquerque do Céu; and other government and regional representatives who accompanied the FCC Aqualia representatives Guillermo Moya, Europe Manager and Jesús Rodríguez, the Country Manager in Portugal.

The new plant, worth an investment of 1.7 million euros, will provide services to 10,000 people, thereby increasing the coverage provided by the wastewater treatment service to 93% of the population.

In Portugal, FCC Aqualia has the concession for the water distribution systems for public consumption and for the collection of wastewater in Abrantes, Campo Maior, Elvas, Cartaxo and Fundão, where it supplies more than 124,000 inhabitants.

The commissioning of the Carochos plant reinforces Aqualia's positioning in Portugal where it manages 36 wastewater treatment plants, 49 potable water plants, 86 water tanks, and 778 kilometres of pipe networks.

In the photograph above, from left to right: Carlos Conceição, Abrantaqua Administrator; Jesús Rodríguez; Julio Bento, Abrantaqua Administrator; João Matos Fernandes; Maria Alburquerque do Céu; Carlos Martins; Guillermo Moya, and Manuel Valamatos, Abrantes councilman.

## Quality Certificates

After obtaining the AENOR Quality Certificate (ISO 9001) and the Environment Certificate (ISO 14001), the Spanish Company obtained the Safety and Health at Work Management System Certificate (OHSAS 18001), a credential assigned by the SGS entity for all of the services that it provides in Portugal.

> "Abrantaqua, an Aqualia subsidiary, is in charge of collecting wastewater for the Abrantes City Council where it provides services to more than 42,000 residents"

# Social Responsibility

## FCC Medio Ambiente signs with CCOO and UGT its 1st Equality Plan

FCC has signed, with Federación de Servicios Públicos de la Unión General de Trabajadores (FSP-UGT), Federación Estatal de Servicios de la Unión General de Trabajadores (FeS-UGT) and Comisiones Obreras the 1st Equality Plan of FCC Medio Ambiente, S.A.

The plan contemplates a set of measures that will make it possible to achieve, with the company for which it has been designed, the equal treatment and opportunity objectives among men and women and to eliminate any trace of gender-based discrimination.

The signatories on behalf of the company, federations, and trade unions were: Jordi Payet Pérez, managing director of FCC's National Environment Division; Julio Lacuerda Castelló secretary General of UGT's Federación de Servicios Públicos; Rosa Guerra Curado, the manager of the Women and Equality area of the previously mentioned federation; José Miguel Villa Antoñana, secretary general of Federación de Servicios, and Rosa Sampedro Rodríguez, head of the cleaning and services section of this federation; on behalf of Comisiones Obreras, Vicente Sánchez Jiménez, secretary general of Federación de Construcción y Servicios; and María Pilar Expósito Cortés, secretary of Employment and Job Training of the same federation.

With this Plan, FCC Medio Ambiente, S.A. wants to contribute to creating awareness on the individual rights of all who work for the company, protecting hem and supporting their career development. The dignity of people within the company is particularly protecting, establishing healthy conduct habits and eradicating behaviours that could be considered illegitimate interference in people's private lives or that violate their dignity.

## Three Equality Plans in the Environmental Services Division

This is the third Equality Plan adopted by the Environmental Services Division following the plans signed by Fomento de Construcciones y Contratas, S.A. and Servicios Especiales de Limpieza, S.A., in 2014 and 2015, respectively, thereby addressing the particular circumstances of the different business sectors, the configuration of the workforce, and other specialities which, for each company, have been identified various diagnosis of the situation.

**The specific objectives of the Equality Plan are:**

- Promote the defence and effective application of the principle of equality among men and women, ensuring the same salary and career development opportunities at all levels.
- Improve the balance in the gender-based job breakdown within the sphere covered by the Plan.
- Promote and improve the women's possibilities of holding managerial jobs, contributing to reducing inequalities and imbalances which, even though the roots of these may be historical, cultural, social, or family environment, could be present in FCC Medio Ambiente, S.A.
- Prevent job discrimination based on sex, establishing a protocol for measures to be implemented in these cases.
- Strengthen the Group's commitment to sustainability and corporate social responsibility in order to improve the quality of life of employees and their families and promote the principle of equal opportunities.
- Define the principles to any measures that could hamper the work-life balance and personal lives of the employees of FCC Medio Ambiente, S.A.

Several areas of action are contemplated to achieve these objectives, focused on access to jobs, promotion, remuneration, work-life balance, preventive and corrective measures to address discrimination, prevention of sexual harassment, communication and protection of female workers who are victims of gender violence.

Other specific milestones are contemplated as well as measurements to be made throughout the life of the Plan, agreed, in principle, until 31 December 2019, jointly with the Monitoring Committee in charge of the effectiveness of the measures contemplated in the Plan.

# Corporate Responsibility within
# FCC Environment CEE

"The very essence of our business predisposes us to respect and support the principles of corporate responsibility in our daily business. Service for the Future is the claim which has been connected with our company for almost 10 years. It describes the core of our business; transforming waste into resources, improving living conditions in the cities, as well as eliminating ecological burdens with our remediation projects."

## Resource efficiency

Using modern methods and technologies allows us to offer the best possible solutions to our clients and partners, also to optimize our own internal processes and maximize the contribution to resource efficiency. By the systematic capturing of landfill gas and proper thermal treatment of non-recyclable waste in the waste-to-energy plant, we make use of waste's calorific value; over 400 Gigawatts are generated annually.

## Sustainbility

Responsible management of materials and waste is an important challenge for all of us. During the treatment of the residues of everyday business and human activities, we use specific methods that allow the maximum utilization of these residues and give them a chance for a "second life". We treat 4 million tons of waste annually and produce about 500 thousand tons of reusable raw materials, therefore reducing virgin material consumption.

## Community involvement for the future

We are an integral part of everyday life of people and businesses, doing our best to improve living conditions and create comfortable cities for citizens - cities for a good quality of life. We see the process of increasing people's ecological awareness, especially the younger generations, as a vital part of our mission. For that purpose we have created a system of ecological education which we implement in communities where we provide our services, showing the children how to use resources efficiently and behave in a sustainable way. This program does not only teach the value of recycling, but helps to generate over 3 million kg's of recycling material annually, through organised events and competitions.

**These are the cornerstones of our CORPORATE SOCIAL RESPONSIBILITY PHILOSOPHY**

By: FCC Environment CEE

# Drop by drop
# against poverty and inequality

## Cáritas and FCC Aqualia join forces to support people in Spain a who are vulnerable and at risk of social exclusion

**Dealing with requests when people have difficulties paying the water bill, endorsed by municipal social services, and donating an annual sum are the commitments acquired by the Company in the agreement signed by both entities.**

From left to right: Pedro Barquero, CSR manager – Cáritas; Juan Pablo Merino, communications and CSR manager at FCC Aqualia; Sebastián Mora, secretary general of Cáritas Española; Félix Parra, managing director of FCC Aqualia; and Isidoro Marbán, financial director at FCC Aqualia.

Working together to fight poverty and social inequality and contributing to improve the lives of people who are vulnerable or at the risk of exclusion, is the objective of the agreement recently signed by FCC Aqualia and Cáritas Española. The signatories of the document were Félix Parra, managing director of FCC Aqualia, and Sebastián Mora, secretary general of Cáritas Española at an event held at the company's Las Tablas headquarters.

The agreement reflects the desire of both entities to collaborate institutionally to support the initiatives undertaken by Cáritas and contemplates two specific actions. On one hand, collaborate with and support people who are in a vulnerable situation or at risk of social exclusion who go to the Company when they have problems paying their water bill. Hence, as part of its corporate social responsibility (CSR) policies, FCC Aqualia agrees to study each case provided it is endorsed by Cáritas and by a report issued by the Municipal Social Services. On the other hand, FCC Aqualia will make an annual donation to this institution for a sum equivalent to the water bills at the various population centres covered by the Agreement – nearly eighty – where FCC Aqualia provides its services.

Cáritas has been working in Spain over the past 65 years in favour of underprivileged groups who have difficulties in terms of social inclusion. The charity's structure consists of nearly 82,000 people, 77,000 of whom are volunteers. Its resources include care centres, retirement homes, occupational workshops, night shelters, and centres for immigrants, for the homeless and for drug addicts.

The agreement signed in 2016, which could be extended on a yearly basis, is in keeping with FCC Aqualia's corporate social responsibility policy at all the locations where it provides services in order to contribute technical and social solutions that benefit the community.

In the photograph: Sebastián Mora, secretary general of Cáritas Española, (on the left) and Félix Parra, managing director of FCC Aqualia.

Family photograph of the representatives of various companies with the Chancellor of the University (at the foreground) and representatives of the Government of the Principality of Asturias.

# Oviedo University recognises FCC Aqualia's support in training students and graduates

**Representatives of the Government of the Principality of Asturias attended the event which was presided by the Chancellor of Oviedo University .**

Within the context of the 15th Employment Forum and after having revalidated its ranking as an International Excellence Campus, Oviedo University organised a Recognition Event to honour the companies and institutions that collaborate with the University in the practical training of students and graduates, of which FCC Aqualia is a leading member.

One of the key aspects of the International Excellence Campus of Oviedo University has been its cohesion with the productive and social sphere of Asturias, as part of the model known as the Quadruple Helix Model (Government, Companies, Society, and University). The governing body of the University believed that this was the right moment not only for seeking collaboration but also to show its appreciation. More than 4,000 Oviedo University students have participated in internships in various companies and institutions, complementing their academic studies with professional experience where they want to work in the future. The satisfaction of these interns increases every year.

The Recognition Event was headed by the Chancellor of the University and by representatives of the government of the Principality of Asturias. Alfonso Tomás, the manager of the Oviedo Branch of FCC Aqualia was present in this event as the Company's representative.

ACTO DE RECONOCIMIENTO
A EMPRESAS E INSTITUCIONES

La Universidad de Oviedo agradece a:

AQUALIA

el compromiso con la formación de sus estudiantes y titulados.

El Rector
Vicente Gotor Santamaría

En Gijón, a 24 de febrero de 2016

FCC Aqualia receives recognition.

> More than 4,000 university students each year receive practical training

## FCC Construcción América

# First drawing and painting contest for children in the 19 April Community of La Chorrera (Panama)

With the aim of encouraging creativity, education, and healthy recreational activities for youngsters, FCC Construcción America, in alliance with the National Institute of Culture, has launched the first drawing and painting contest for children between the ages of 6 and 12 in the 19 April Community at La Chorrera (Panama).

The thirteen children who participated in the contest received training on painting techniques such as chiaroscuro, handling of tempera, primary, secondary and complementary colours, as well as on still-life paintings and other. A contest was organised to complement the course to award prizes to the best three paintings and drawings made by the students.

Activities such this one and other ones such as environmental, sports, job training information offices, road repairs, noise reduction campaigns, health seminars are part of the initiatives of FCC Construcción America in areas near the Valdeza quarry.

FCC Construcción America reinforces its commitment to the community by supporting activities to capture children's imagination. The Company has a permanent commitment to the communities where it operates and these types of public-private alliances are yet another step in ensuring the welfare of children who represent the future of Panama.

The INAC coordinator in Panama Oeste province, Ariel Campos, encouraged the children to continue their cultural training that helps them to develop their skills and which represent a way for strengthening the culture of their country.

The children and their parents thanked FCC and INAC for launching these educational initiatives that benefit the population of La Chorrerra, highlighting the commitment of both organizations which joined efforts for carrying out this educational activity through which children learned new painting and drawing techniques and encouraged their creativity.

FCC
INAC
REGIONAL
OESTE

Colores Primarios
FCC
DENIM
LABEL

# V1 Edition of the FCC Aqualia's in-house "Peque-artistas" drawing contest

## The in-house "Peque-artistas" drawing contest continues to create awareness on the value of good water management, generation in-house cohesion and pride of belonging to the company

The 6th edition of the International Drawing Contest for the children and grandchildren of FCC Aqualia employees organized in 2005 under the motto "Fill your world with life" concluded with the award-ceremony for the twelve winners. In this edition, the most international one, a record number of 175 children participated, three times more than in the previous year. The initiative, which aims to create awareness on the responsible and sustainable use of natural resources generates in-house cohesion and pride of belonging to the company, has been a great success among the smallest members of the FCC Aqualia family.

The contest, organized through the www.llenatumundodevidaenaqualia.es website, brought the work of parents and grandparents who work at FCC Aqualia closer to the 5 to 14 year old children and grandchildren. The youngsters were the ones who brought to life an ideal environment, bringing water to people, animals, and plants, just as the company does day in and day out.

The twelve award-winners in each of the two categories (the youngest set and youngsters), received two Samsung Galaxy tablets of and ten didactic games "My first vegetable patch" were given to each of the finalists in addition to a t-shirt bearing the message: You're big, little one. You know how to take care of water and your example is very important".

The growing success of this initiative over the years reflect the involvement of the people who make up the FCC Aqualia team, committed to showing youngsters the work behind bringing water to homes and returning it to its natural environment after its use in optimal conditions. Congratulations, family!

Puzzle with photos of some of the contest winners and their prizes.

From left to right: Juan Pablo Merino, director of Communications and CSR; Félix Parra, managing director; and Carmen Rodríguez, H.R. director, with the t-shirts made especially for the award-winning youngsters.

# New interactive applications at the Energy from Waste education centre in Lincolnshire (United Kingdom)

THe educational centre at the Lincolnshire Energy waste facility in the United Kingdom features new interactive applications that will make it possible to learn more about recycling and green energy and understand, in an easy way, the entire process that products go through from their creation from raw materials to being recycled into something new.

The centre is designed to help educate local residents and young people about the benefits of recycling and creating energy from waste.

Juergen Schaper from FCC Environment, said: "The new features are really going to benefit the local community by providing them with information and knowledge to know more about every aspect of waste and recycling. I would urge schools and groups to get in touch and come and pay us a visit."

Councillor Reg Shore, Executive Member for Waste for Lincolnshire County Council, added: "We welcome with the new interactive features at the Energy from Waste Education Centre. The hands on facility will help to fire the imaginations of young and old people alike, so that they can fully understand the processes and the way that waste and the treatment of waste operates and its impact upon society".

"The centre is a fascinating place to visit with lots to see and learn about but the advancement of this area will add further to learning in a fun way, taking everyone on an interesting and exciting recycling journey."

### Energy from waste

Lincolnshire County Council's Waste Services Department was awarded planning permission for an Energy from Waste (EfW) facility at North Hykeham in 2009.

The facility, along with the education centre, was opened in 2013 and is owned by the county council and run by FCC Environment. It is the first plant built by FCC Environment in the United Kingdom based on "Energy from Waste" through the incineration of non-recyclable wste from households, businesses and indistries and from the the combustion gases that are generated.

## New features at the facility

- **A model of the plant itself.** This stunning feature shows how the brand new, state-of-the-art energy centre works and the stages that it goes through each day.
- **How are these items made?** This interactive feature focuses on the start of the journey and helps visitors understand manufacturing processes.
- **Think before you bin!** A step-by-step touch screen computer which shows visitors the most environmentally friendly ways to get rid of their waste – reduce, reuse, recycle and recover.
- **How is my waste recycled?** Visitors are shown the processes of how a plastic bottle is recycled and they can find out more information through a touch screen computer.
- **Why should I recycle?** This feature displays the benefits of recycling such as creating and saving energy and reducing carbon emissions.
- **What's my impact?** Visitors can interact with a touch screen computer and are asked to think about their actions when it comes to waste, looking through both natural and human influences.
- **Amazing upcycling.** A feature on the incredible uses for recycled materials.

# Well-being

## 3rd Edition of the Safety and Health Awards

# a recognition of a job well done

FCC has launched the 3rd Edition of the Safety and Health Awards to give visibility and recognition to the work, dedication and the value of the organization and the people who contribute to the prevention of occupational hazards and to promoting health.

The objectives of these awards are threefold: to be open, to have a high level of participation, and to ensure that the message on the contribution and improvement of the levels of protection of safety and health at work reaches the entire organization.

This 3rd edition, which includes several novelties, has been divided into three categories:

- Preventing Occupational Hazards: recognition of the commitment to efficacy of preventive management risk control, and progress in safety conditions.
- Promoting health: a new category to recognise the contribution to improving the health of people, promoting self-care, and the work carried out in order to have a healthier work environment.
- Personal career: professional recognition of FCC people who have made a significant contribution to improving safety and health.

## Check the rules and submit your candidacy because:

- Things well done have their reward and recognition.
- Participating implies teaching with experience.
- The organization wants to reward the involvement of its employees.
- Ideas must be shared.
- People learn from the work of others.
- There are no initiatives without a response.
- People's safety and health are the best rewards.
- The best way to improve is to have everybody involved.

Cuestionario premio PRL
Ver PDF

Bases
Ver PDF

Cuestionario premio Salud
Ver PDF

Cuestionario Trayectoria Personal
Ver PDF

## Summary of the 1st edition of the Safety and Health 2011 Awards

**23 projects were presented in three categories: Management, R+D, and Personal Mention.**

**Candidacies in POH: 9**
Winner: FCC Ámbito, Cataluña for developing relevant occupational safety and health actions, for the drop in the accident rate, and the integration of preventive measures in various production processes.

**Candidacies R+D: 11**
Winner: Matinsa, of the FCC Construcción Division for its "Fénix Project2, a communication, GPS localisation and alarm for the fire extinguisher device.

**Candidacies Personal Mention: 3**
Winner, FCC Construcción Murcia/Almeria: Jacinto Ruiz, recognised for his determination and participation in issues relating to the Prevention of Occupational Hazards.

## Summary of the 2nd Edition of the Safety and Health 2013
### (Nationally and internationally)

**19 candidacies submitted**

- FCC Aqualia submitted three candidacies had won in-house prizes.
- Six international candidacies were submitted.
- The Occupational Hazard Prevention category also included a prize for the most outstanding measure.
- All the candidacies submitted in the Personal Mention category award-winners.

**Candidacies OHP management: 8**
Winners:

- FCC Environment in Wrexham (United Kingdom), for its safety and health culture program which reaped very positive results (Wrexham's demonstration of excellent H&S culture).
- For developing relevant measures, the Canary Islands branch of FCC Medio Ambiente for its program aimed at preventing muscle-bone injuries by practising warm-up exercises.

**Candidacies R+D: 8**
Winner: FCC Environment, for its lock, block, and isolation system for equipment during maintenance tasks (Plant mobile lock off system).

**Candidacies Personal Mention: 3**
Award-winners:

- Paul Stokes, manager of Prevention, Quality and the Environment at FCC Environment.
- Francisco Javier Suárez, FCC Aqualia's head of the Trainasa Sewerage network in Vigo.
- Ángel Sánchez, in charge of maintenance and conservation of FCC's corporate buildings.

# 3rd Edition

# FCC's health and safety awards

FCC announces the **3rd EDITION OF HEALTH AND SAFETY AWARDS** to recognize the work, dedication and courage that the organization and the individuals confer on prevention of occupational risks and promoting health in all policy areas.

You can participate in any of the following three categories:

- Risk prevention at work Award.
- Health promotion Award.
- Personal achievement Award.

Check rules on FCC's intranet or ask for it on the e-mail DireccionPRL@fcc.es or phone number: +34 91 757 47 37.

**Submit your candidature until April 30, 2016.**

Put safety first

In my job safety matters. Put safety first

FCC Citizen Services

# DGT (Traffic Department) unveils its guide for caring for people with disabilities, emergencies and accidents

Dirección General de Tráfico (the Spanish Traffic Department, DGT), published a guide for caring for people with disabilities in the event of emergencies and accidents in order to provide comprehensive idea of the most common characteristics and aspects in relation with people with disabilities and on how to collaborate and help in the event of an emergency (traffic accident, fire, confinement, etc.).

The response of those who first come to the rescue in an emergency will be more rigorous, safer and efficient if one is aware of the difficulties of people with disabilities and how to address them.

The guide increases the visibility of people with disabilities by describing the characteristics and needs depending on each case and providing information on the basic, simple, and necessary guidelines for helping an individual in the event of an emergency. It includes specific information on physical disabilities and cerebral palsy; mental disability, autism or autism-spectrum disorders, visual and hearing impairment, and disability due to mental illness, describing the considerations in each case and in an emergency situation.

Information that can be downloaded and printed and audios prepared as an alternative support are attached. These are also available in FCC's ONE intranet, with information for an event of emergency at the work sites.

Read PDF

Listen to the audios

**Hay que Saber**

**Sus Necesidades**

**Enfermedades Mentales**

**Física**

**Auditiva**

**Intelectual**

**Autismo**

**Visual**

FCC Construcción

# Knowledge and experience in Prevention of Occupational Hazards

## in the Ideas Program of the School of Civil Engineering of Santander

The Joint Prevention Department of FCC Construcción participated in the 2016 edition of the Ideas Program organised by the School of Civil Engineering of Santander. The FCC Group construction company participated in this program which is part of the fourth –year course of the Civil Engineering Degree program coordinated by Francisco Ballester, professor of Construction Engineering.

Luis Carlos Rodríguez, head of FCC Construcción's Prevention Department, was in charge of the course on "Prevention of Occupational Hazards". Luis Carlos explained that "collaboration in this seminar, with several previous editions in the past, is always an enriching experience, clearly for the speakers, and we trust that also for the students. We can notice that the new generations are concerned about an issue as important as the safety and health of workers. The exposition this year has been particularly participative, with many questions and answers on the purely legal matters and the technical aspects of Prevention".

### The program, presented by Luis Carlos Rodríguez, head of FCC Construcción's Prevention Department, was broken down into three sections:

- The first one involved the main regulatory aspects contemplated in Act 31/1995 on the Prevention of Occupational Hazards, Spanish Royal Decree 39/1997, the Regulations of the Prevention Departments, and Spanish Royal Decree 1627/1997 on the minimal Safety and Health provisions in construction works.
- The second section consisted of a detailed description of the risks and preventive measures in the first phases of a project, from its inception (fencing, access, personnel facilities) to the movement of the earth, foundations, structures, plumbing, machinery, electrical hazards, etc.
- Lastly, the main lines of the FCC Construcción Prevention Management System was explained as well as the main measures in some of FCC's landmark international projects, such as Puerto Açu in Brazil, the Control Tower in El Dorado Airport in Bogota (Colombia).

Luis Carlos also shared with the students the various initiatives, campaigns and good practices of FCC in very diverse fields of prevention, such as the health campaigns on good eating habits, promotion of physical exercise, support provided to quit smoking, actions aimed at improving Road Safety education, and the FCC Safety and Health Awards.

At FCC Construcción, in recent years, good practices have been established as part of the prevention objectives, nationally and internationally. Periodically, the various organizations of the division present the initiatives that they have implemented in their areas in aspects related to prevention management such as active safety measures at work sites (methods, resources, procedures, etc.).

The group of students who attended the courses included several from various Latin American countries such as Colombia, Chile and Brazil who were aware of the projects that FCC Construcción is executing in these countries.

Carolina Esteban Vitutia, an FCC Medio Ambiente prevention technician, was responsible for conducting the course entitled "Road Safety in Urban Sanitation" as part of a training program organised by IRSST.

# FCC Medio Ambiente participates in the Occupational Road Safety training organized by the Regional Institute of Safety and Health at Work

Carolina Esteban Vitutia, an FCC Medio Ambiente prevention technician, was responsible for conducting the course entitled "Road Safety in Urban Sanitation" as part of a training program organised by the regional Institute of Safety and Health at Work (IRSST, Spanish acronym) on "How to improve preventive measures in Occupational Road Safety.

This training activity, held at Instituto de Madrid, is art of the Training Catalogue for 2016 and aims to inform on basic road safety concepts, risks, and efficient measures in the work environment.

To complete the training Program, IRSST requested the participation of FCC Medio Ambiente so that it could discuss its track-record and experience in matters relating to road safety, recognised in other forums, such as in EU, participating in the PRAISE seminar organised by the European Transport Safety Council

Carolina shared with the students the basic ideas of the FCC Medio Ambient Strategic Road Safety Plan which served to illustrate the good management in this area and, particularly in the urban sanitation sector in terms of road safety, mobility, and the prevention of road accidents.

Among the topics discussed, Carolina stressed the importance of the having the support of the Company's management which sets specific road safety objectives. An analysis was made of the road risk factors inherent in an activity conducted on public thoroughfares and some of the effective prevention measures implemented in several branches in Spain were discussed such as:

- Implementing the use of the safety helmet by workers who ride on the stirrup in rear-loading waste collection trucks.
- Program for redesigning the routes for rear-loading waste collection trucks to eliminate potentially dangerous turns in the Central, North, and Cataluña II regional branch offices.
- The "12 months, 12 slogans, 1 objective" Road Safety campaign conducted by the Levante II and the Aragon-La Rioja branches.

## Recognition of the work carried out by FCC Medio Ambiente

IRSST recognises the work of FCC Medio Ambiente in the fight against traffic accidents. It highlights the fact that more and more public and private organizations are becoming aware of the influence of traffic on occupational safety and implement preventive measures such as training and awareness-building campaigns to make traffic accident prevention part of a company's activity.

# What to do in case of an emergency?

At the ONE intranet site, you can find all the information and necessary instructions for taking joint and efficient action in the event of an emergency in the corporate building facilities.

Click on the Safety and Health (Seguridad y Salud) tab of each of the corporate buildings:

- Balmes
- Las Tablas
- Federico Salmón

And check the basic information on Prevention of Occupational hazards at the corresponding work site:

- Instructions for what to do in the event of an emergency.
- Evacuation plans.
- List and telephone numbers of the emergency teams.
- Floor plan of the medical centre and defibrillator.
- Prevention regulations based on the Risk Assessment of the site.

All of which is kept up to date according to the most recent revision.

BALMES

LAS TABLAS

FEDERICO SALMÓN

# "Acércate a la discapacidad", the title of the seminar held in Avila to create awareness in the corporate world

The Council of Youth of Castile and León, the National Aspaym Federation (association of people with spine injury and other physical disabilities) and the Youth Red Cross organised a seminar at the Confae headquarters in Avila to create awareness in the corporate world on the difficulties encountered by young people with disabilities to access the job market.

A round table discussion, "Incorporation in the job market in the first person. Success cases" was one of the activities developed during the seminar. Juan Carlos Sáez de Rus, the director of Occupational Safety, Health and Welfare at FCC participated in this round table to give visibility to the work being carried out by the Company, jointly with other entities who were also able to describe the progress made and experience in having people with disabilities join the job market.

The institutional and corporate representatives at the seminar had the opportunity of participating in the practical mobility workshop entitled "Put yourself in my shoes" where they were able to experience the different situations and barriers faced by people with disabilities in their day-to-day lives, particularly when looking for a job.

During the Seminar, Aspaym also described the labour integration programs with which it works and the benefits that companies can obtain. Avila's City Council confirmed that it is currently in the administrative process to assign a municipal plot of land to this association where they can build a new centre which will be situated in Sonsoles Road.

Results of the DISEV Commission

# Indicators for assessing occupational road safety

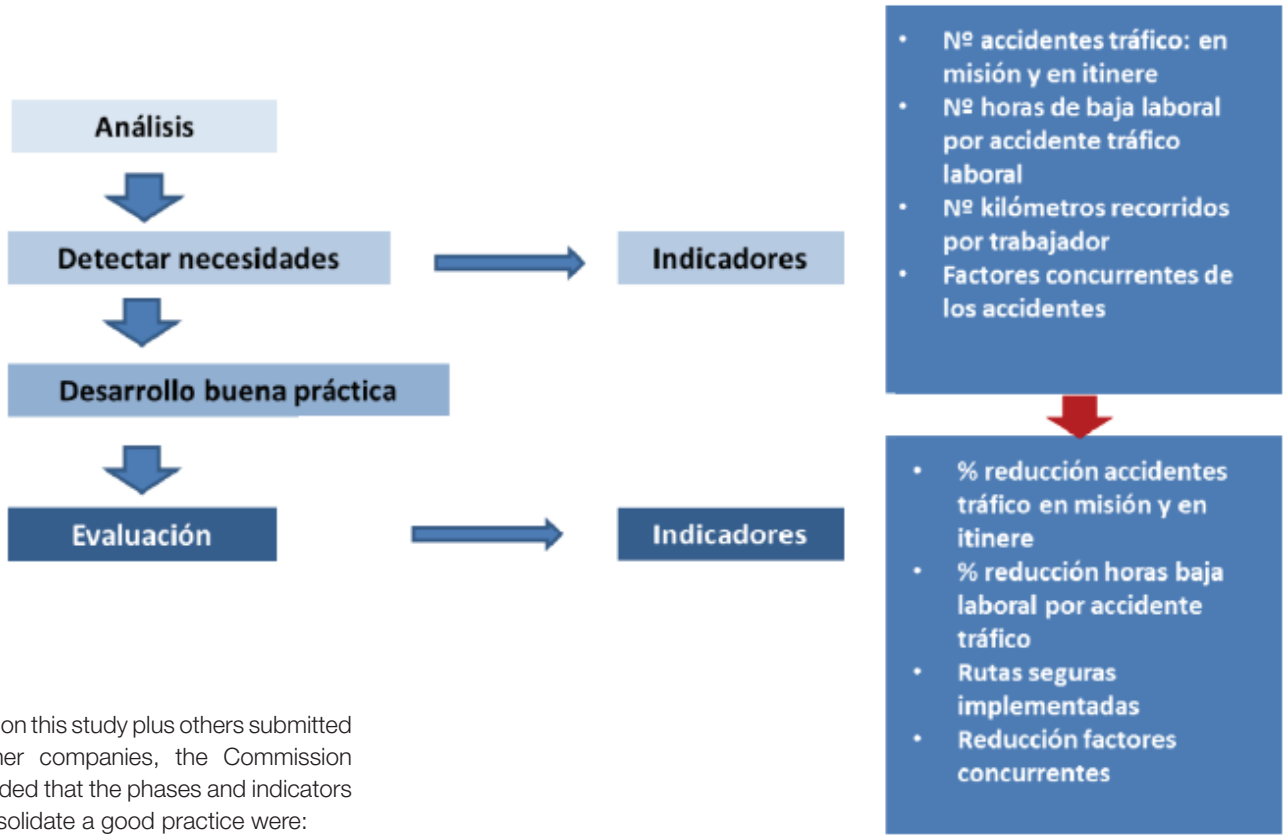
FCC, through its Occupational Safety and Health Department, the Prevention Department of the FCC Medio Ambiente, and the prevention technician from FCC Medio Ambiente's Levante II Branch Office, David Martínez Sánchez, were part of the DISEV Commission. The commission, a working group sponsored by the Traffic Department and organised by the Spanish Foundation for Road Safety (FESVIAL, Spanish acronym) , counted with the participation of the leading Spanish companies and institutions to address the issue of occupational road safety management indicators.

In view of the road accident rates while on the job and the fact that traffic accidents account for more than 30% deaths caused by accidents at work, the Dirección General de Tráfico (Traffic Department, DGT Spanish acronym), commissioned FESVIAL to conduct a study on the classification and types of road safety measures in the corporate world and to prepare a set of indicators of the results to be able to assess the effectiveness of these measures.

Companies such as FCC who implement measures to prevent traffic accidents participated in this Commission which generated indicators to measure the efficacy and the results over the long term so as to be able to select the best road safety measures based on their effectiveness, time, etc., and isolate those that did not produce good results.

The tasks undertaken by the DISEV Commission were:

- Defining good practices.
- Standardising the terminology applied to the occupational road accident rate.
- Defining, establishing, and classifying the indicators.




Based on this study plus others submitted by other companies, the Commission concluded that the phases and indicators to consolidate a good practice were:

- Sharing good practice experiences.
- Developing guidelines.

The Levante II branch of Medio Ambiente submitted for the study its Road Safety Awareness and Training Campaign, which, according to the results in the 2011-2012 period, showed that the rate of occupational road accident rate had decreased 50% (33% to and from work and 75% on the job); a 73% reduction in sick leave, and a 45% decrease in the number of occupational accidents based on the kilometres travelled by workers.

## Conclusions

- Companies are increasingly concerned and aware of the need for occupational road safety and the objective of preventing accidents.

Since 2010, at FCC we have been working and managing road safety, particularly as part of the plans and objectives of the Company: “0 Accidents” and “25,000 lives to safe” of the European Road Safety Charter.

- Most companies have prevention plans but only a few have completely defined mobility or road safety plans and, consequently, the measures are reactive and isolated and the result of having experienced an accident at work.

FCC has a Strategic Road Safety Plan that has been replicated in the Environment Division, which clearly defines safe, efficient, responsible, and sustainable mobility.

- It was necessary to specify criteria, definitions and common indicator matrixes to be able to assess and understand good practices and to improve procedures, protocols, and the standardisation of measures.

FCC’s track-record and experience in road safety and, specifically, that of the Levante II branch of the Environment Division which submitted and adapted its good practices according to the requirements of the Commission, contributed to the positive development of the activity and provided the team with a professional and results-based perspective

- It is important for companies to monitor their accident rate data and the measures implemented to reduce these figures to ensure the success of such measures.

At FCC, the rate of accidents on the road are included in reports and broken down by type of traffic accident.

# FCC Industrial subscribes Fundación Adecco's Family Plan

FCC Industrial jointly with Fundación Adecco is developing the Family Plan whereby the Company undertakes the commitment of helping children with disabilities to improve their quality of life and promote their current or future integration in the job market. FCC Industrial's workers with children with a certified disability, greater or equal to 33%, can join the plan that will study their capabilities and needs thereby promoting and improving their personal, social, and labour development.

The Family Plan focuses on five areas: clinical-medical, family, social, educational, and labour:

- Clinical-medical: the objective is to improve the quality of life of the disabled by promoting their integration in the job market.
- Family: the aim is to help families handle the disability in the best way possible.
- Social: the goal is to encourage the participation in activities that enable normal social integration.
- Educational: improves the chances of finding a job by developing training
- Labour: pathways to employment combining training, information, preparation, and labour intermediation measures.

With this action, FCC Industrial renews its commitment to the integration of the disadvantaged by facilitating their social and labour integration.

## Annual Safety and Health Meeting at FCC Aqualia

# The efficiency of good team work

FCC Aqualia celebrated the annual meeting with the occupational hazard prevention team, which has evolved into a team work and coordination meeting. During the day's activity, the most relevant topics were discussed for the positive development of preventive management in the division, sharing the considerations of the technicians when carrying out their duties.

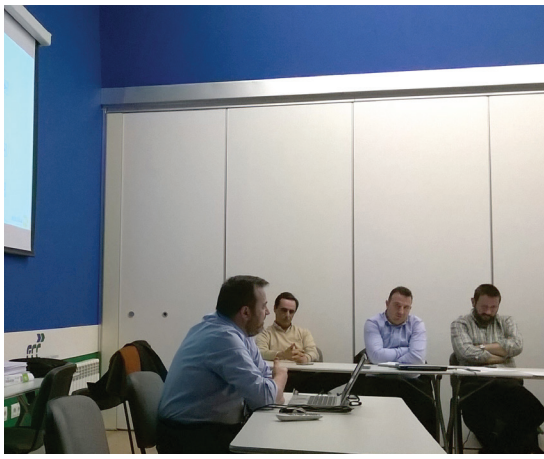
This meeting was held in the new organizational context of the department which now depends on FCC Aqualia's Corporate Human Resources Department and has been restructured internally into four production and three support areas. Each production area has a coordinator who is the team leader and responsible for monitoring the programmed actions and the implementation of the guidelines defined by Management. The support areas will be in charge of providing ongoing support to the production area, developing in-house processes, implementing campaigns, and enhance technical qualifications by encouraging the sharing of knowledge.

According to the assessment of the technical actions carried out compared to those that were programmed in the previous year, 94% were completed, or 87% if we weigh the time spent in performing the tasks broken down according to specific activities such as risk assessment, emergency measures, safety plans, training seminars, monitoring visits, and support provided to other management units, etc.

### Integra OHP Program

The gradual implementation of the INTEGRA OHP program was also discussed in the meeting. INTEGRA OHP is a tool acquired for the comprehensive management of occupational hazard prevention measures. Work is being carried out to expand and improve its possibilities. The meeting was also the perfect venue for user technicians to submit their proposals for the program and define criteria, actions, modules etc. to improve the tool.

For Bernardo Delgado, in charge of processes at FCC Aqualia's Safety and Health Department, "these periodical meetings represent a perfect opportunity to grow as a department, consider different points of view, and incorporate ideas for constant improvement. Teamwork is essential for consolidating the project and for the success in achieving any objective, even more so when we refer to such a positive goal as the ongoing improvement of work conditions and, therefore, of the welfare and health of workers".



### "Safety tours"

The initiative known as "safety tours" to be conducted by department managers for the purpose of getting a first-hand look at the work conditions in terms of occupational safety and health is part of the action plan of the project aimed at improving the Company's preventive culture. This tool was analysed during the workshop in order to implement it in the very near future in the company after holding a series of training sessions at different levels.

# Food poisoning

A few months ago, we were shocked with news of the death of a young man and the intoxication of more than 86 people, seemingly from an intoxication after having eaten a potato omelette in bad condition in a restaurant during the carnivals in Cádiz. We ask ourselves, how could this happen? The incorrect handling of food can cause health problems known as food poisoning, a sickness resulting from food that is contaminated with harmful germs and their toxins. Generally it is not detectable: the appearance, smell or flavour of food does not change but it can cause mild gastro-intestinal disorders. In some cases, however, it can lead to serious diseases (particularly in people who had been sick previously, children, the elderly, people with weakened immune systems.

Current prevention and control systems in primary production as well as transformation and marketing of food in developed countries guarantee a high level of protection for consumers. Nevertheless, when there is a failure in one of the links of this chain, food poisoning occurs. Food poisoning is the result of eating contaminated food. It is more frequent in the summer months since heat facilitates the multiplication of the micro-organisms that produce infection and the formation of toxins.

Most cases of food poisoning produce mild gastroenteritis with a limited duration, a few hours or days after eating contaminated food, causing vomit, diarrhoea, stomach pain such as cramps, and sometimes fever.

**Micro-organisms involved**

**STRAPHYLOCOCCUS AUROUS:** is one of the most frequent causes of food poisoning as a result of eating food, particularly dairy products (cream, milk, custards, pies,…) but also meat and fish, that have been handled under poor hygienic conditions and contaminated with germs present in the nasal cavity of certain people (asymptomatic carriers). This bacteria multiplies rapidly at temperatures between 20 and 45ºC. The symptoms appear very rapidly, from 2 to 8 hours after ingestion.

**SALMONELLA:** There are various types of salmonellas and each of them can cause different disorders. The origin is the intestine of animals, particularly poultry and pig and men, contaminating raw food. These foods can be vegetables, fruit, milk, dairy products or shellfish that have been contaminated. Flies can also carry the bacteria, infecting food.

- Salmonellosis produced by a salmonella that contaminates domestic poultry, eggs and derivatives (mayonnaise) and non-pasteurised milk, as well as fruits and vegetables that are in contact with the soil. The symptoms are evident between 12 hours and two days after eating the contaminated food and the symptoms are generally gastro-intestinal disorders and fever.

- Typhoid fever: man is the only source and, therefore, the infection is passed from one person to another. In some occasions, it produces systemic disorders with fever, skin lesions, affecting the liver, spleen, and producing neuro-psychotic alterations.

- Paratyphoid fever, similar to the above, but less frequent.

**LISTERIA:** a very frequent diseases which often goes undiagnosed, producing mild gastroenteritis, nausea and diarrhoea. Sometimes it can spread to the central nervous system and cause meningoencephalitis. Caused by eating raw meat and uncooked vegetables, processed food contaminated during the transformation process, such as soft cheeses, cold cuts, or dairy products made with non-pasteurised milk.

**NOROVIRUS:** very frequent in our surroundings, it is spread from person to person in closed and crowded environments. Can also contaminate green-leaf vegetables, fruits, and molluscs. The symptoms are vomiting, diarrhoea, low fever, an overall sense of fatigue. It is usually mild and recovery takes 1 to 2 days.

**ESCHERICHIA COLI:** lives in the intestines of healthy mammals and in still water and can contaminate fruit, vegetables, raw or undercooked meat, and non-pasteurised milk. Produces stomach pain, lack of appetite, vomiting and diarrhoea.

**TOXOPLASMA GONDII:** in most cases, these infections go unnoticed since the symptoms are similar to a flu and occur only once in a lifetime. Infection can cause problems, particularly to pregnant women since it affects the foetus.

It is caused by eating food contaminated with spores from cat excrements that contaminate raw or undercooked meat and also from goat milk.

**CLOSTRIDIUM PERFRIGENS:** proliferates in cooked food that is left to sit out warm for a long period of time. The small number of germs multiply rapidly with heat and produce crossed-contamination: the cooked food is in contact with contaminated surfaces, particularly cutting boards. Contamination is frequent in meat and derivatives.

Causes stomach cramps and diarrhoea and disappears in 24 hours.

**CLOSTRIDIUM BOTULINUM:** this bacillus produces a toxin that affects the nervous system. The symptoms appear 18 to 36 hours after ingestion. It is very serious and causes weakness, dizziness, double-vision, difficulties in speaking and breathing. It starts from the top up, from the shoulders down.

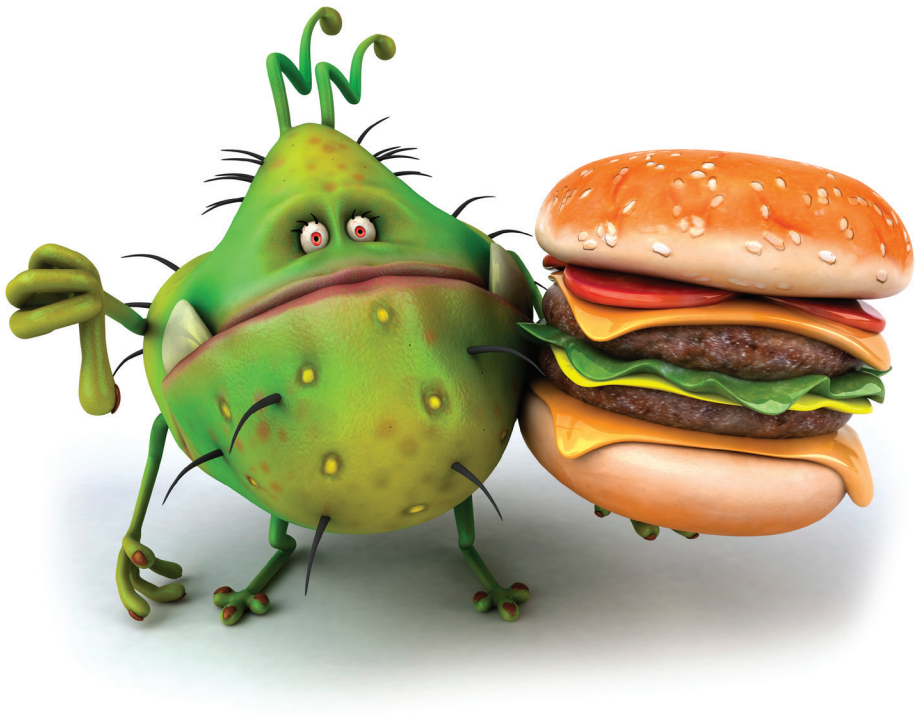
Intoxication can be caused by homemade preserves and by honey.

**CAMPYLOBACTER:** is present in the intestines of animals and humans, contaminating non-pasteurised milk, raw or undercooked meat, and contaminated water. It can lead to vomiting, stomach pain, and diarrhoea, sometimes with blood.

**ANISAKIS:** worms that contaminate raw fish that can cause parasites in humans. Described in depth in the magazine (Anisakis, the hidden parasite, Nieves Casado Escribano- Parasitology, Universidad Alcalá).

**PREVENTING FOOD INTOXICATION**

Agencia Española de Consumo, Seguridad Alimentaria y Nutrición (Spanish Consumption, Food Safety and Nutrition Agency [AECOSAN, Spanish acronym]) has published a compendium of precautions to prevent food poisoning:



**1. Eat food that has been handled in hygienic conditions.**

It is not recommended to drink milk that has not been subject to a heat treatment (raw milk). Meat, fish and pastries and desserts should be kept in the refrigerator on in the freezer. Restaurants must use egg products when preparing mayonnaise, sauces, creams, etc. If these foods are prepared at home, they should be consumed immediately, leftovers should not be consumed, and the food must be kept cold. If you wash the eggs before using them because of remaining residues in the shells, this should be done immediately before using them.

**2. Avoid contact of raw and cooked food.**

Cooked food could be contaminated again if is in contact with raw foods or objects that were previously in contact with the raw food (knives, cutting boards, surfaces, towels etc.). The kitchen dish towel could an excellent vehicle for contaminating food. The use of paper towels is preferable.

**3. Cook food correctly**

Food could be contaminated with micro-organisms. Cooking with heat, however, destroys them. The temperature used for cooking should be sufficient so that the centre of the product reaches a minimum temperature of 70º C.

**4. Eat food right after it has been cooked.**

This is the best way to prevent the spread of germs. Never leave cook food at room temperature.

**5. Cooked food is sanitised food.**

Food that cannot be consumed immediately or the leftovers that we want to put away, should be kept at a temperature of more than de 60º C, or not below 7º C.

If you want to eat raw or undercooked fish

(such as anchovies in vinegar) at home, the fish should be in the freezer for a few days.

**6. Reheat cooked food sufficiently.**

After preparing food, that which can be reheated should be kept hot until it is eaten (such as soups, purees, stews, etc.)

Other types of food that cannot be heated (salads, gazpacho and other cold soups) should be stored in the refrigerator immediately.

Leftovers that are to be eaten later, should be heated throughout at no less than 70º before consuming them.

**7. The person who handles food should be clean and all surfaces must also be cleaned properly.**

The person who handles food must observe strict hygienic practices. It is essential that hands are always clean and washed frequently and the same goes for surfaces. Dirty hands are one of the main causes of food poisoning. Special care should be taken with garbage which should be deposited in containers that are smooth, washable, and closed and not kept close to food.

**8. Keep food out of the reach of insects, rodents, and pets.**

Don't forget that animals can be carriers of pathogenic germs and parasites that could lead to food-related diseases.

**9. Use only potable water.**

Potable water is not only essential for drinking; it is also essential for cooking. Water should either be bottled or tap water. Never use water from a well unless it has been treated and purified.

**10. Do not eat perishable food exposed to room temperature.**

In bars, cafeterias, and restaurants, all food must be under glass and kept at adequate sanitary conditions. Food must always be refrigerated when this is necessary. Consumers must insist on these measures and, when you notice that these requisites are not fulfilled, reject the food.

Taking these simple precautions will prevent many diseases caused by the inappropriate handling or conservation of food.

**WASHING HANDS**

This is fundamental for preventing food poisoning and it cannot be repeated too often:

- After going to the bathroom.
- If you touch any other part of your body (eyes, nose, mouth, hair….
- If you touch pets or aquatic animals (fish in aquariums, shellfish or crustaceans in displays)
- After coughing, sneezing, touching a handkerchief, smoking, eating or drinking.
- When handling dirty kitchen utensils or other equipment.
- While preparing food that can leave residues, or when doing another chore, in order to prevent cross-contamination.
- After touching kitchen cleaning cloths, dirty dishes or after throwing out the garbage

Follow these steps to wash your hands properly:

- Wet hands then apply soap in the palms of your hands.
- Scrub all surfaces without overlooking the area between your fingers. Clear the area under your nails very carefully.
- Keep scrubbing your hands for about 20 seconds.
- Rinse with potable water removing all soap.
- Dry with paper towels or with hot air.

# Guest-column

**By: Antonio Escudero**
Manager of Corporate Safety
and General Services

# Gender violence: from the criminal perspective

> "It is necessary for society to change its vision on gender relations. The change must be driven by various sectors; certainly from the penal system but also from an educational perspective. We should start addressing the issue with the young generations: in our homes, elementary schools, and throughout the educational period."

The United Nations defines violence against women as any gender violence act that results or could result in physical, sexual, or psychological harm of women including threats of such actions, coercion or the arbitrary privation of liberty, in public as well as in private life. To this, we can add men's conduct aimed at controlling women.

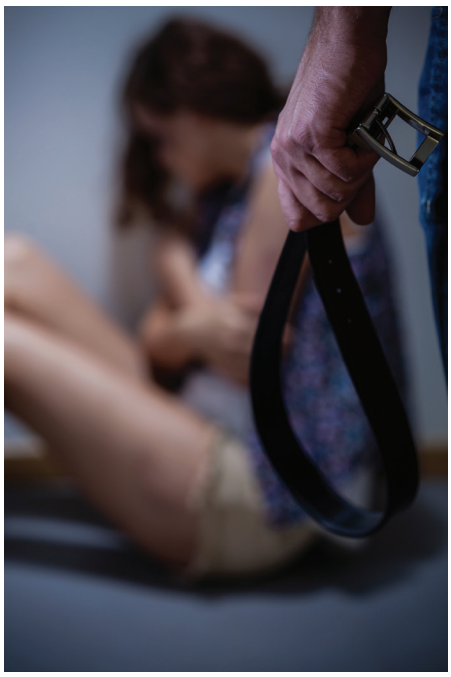
In its Unite to End Violence Against Women campaign, the UN affirms that violence against women is not limited to one specific culture, region, or country or to particular groups of women in society. The roots of violence against women lie in the persistent discrimination against women.

## Impunity

From the criminal perspective, it has been shown that in most violent crimes, the delinquent and victim know each other and that most often, these crimes take place within the family. This is due to several factors, including the context of intimacy where these relations develop outside the formal and informal control of society. A situation of impunity is created in this environment which is the reason why this crime can extend over time in many occasions until the most serious outcome: homicide.

## Submission

The key to submission could be the fact that society has "tolerated" men's domination over women over the centuries.



> The roots of violence against women lie in the persistent discrimination against women

The absolutely secondary, and sometimes marginal role of women in many parts of this world aggravates this situation. Therefore, it is a type of violence that occurs in a relation where there is an imbalance of power and the aim is to submit and control women. In this context, a patriarchal system is established and a natural hierarchy between men and women where men exert power to which women must submit. The system discriminates and at the same time violates women's human rights.

## A change in society

Experts have put forward several proposals aimed at preventing violence against women. What is most important, however, from my point of view, is for society to change its vision on gender relations. The change must be driven by various sectors; certainly from the penal system but also from an educational perspective. We should start addressing the issue with the young generations: in our homes, elementary school, and throughout the educational period.

# Change in the business names of 14 .A.S.A. companies in the Czech Republic

**Effective from 1st February 2016, 14 .A.S.A. companies in the Czech Republic changed their business names. All these companies also started presenting themselves with a new FCC Environment logo.**

The rebranding process was launched back in March 2015, and it affects the entire .A.S.A. Group, whereby .A.S.A. companies started presenting themselves with the FCC Environment logo. In the Czech Republic, this change has so far concerned only two companies, but following an approved implementation plan, gradually other subsidiaries should start appearing under the new brand. This notwithstanding, during 2015 the Czech Republic made the decision to expand the rebranding programme and as the very first of all .A.S.A. countries to do so, embarked on the process of changing not only the logo, but also at the same time the companies' business names.

## New names

Thus the change in the business names concerns all-in-all 14 .A.S.A. companies in the Czech Republic. As of 1st February 2016, 12 of them started presenting themselves with the new logo, FCC Environment. These are joint ventures, which required these changes to be discussed with and approved by the other partners and stakeholders in these companies.

The February target date was chosen in particular for organisational reasons. First the new names had to be approved by lawyers and subsequently also by the partners in these subsidiaries at extraordinary general meetings which had been held almost until the beginning of the Christmas season.

And in order to be able, after the official approval of all these changes, to duly and on time organise an information campaign, we decided to schedule everything for January, after the Christmas stress would be over and when it would be more appropriate to inform our business partners as well as the public at large about these major changes.

Since these changes concern the entire country, the information campaign covered all regions in which the companies do business. All partners, clients as well as the public were informed by both placing advertisements in the printed media, and by making announcements on the Internet search engine. Besides that, all our major clients and partners received a letter with this information, and in addition the information were also distributed in the form of an insert to invoices mailed to them.

In towns and cities in which our firm has a strong presence, we have being spreading the information also by means of a billboard campaign.

We embarked on a very extensive campaign, as the changes concern 14 individual companies, and in respect of each of them it was essential to ensure that their clients and partners were fully informed about them.

Hand-in-hand with this campaign, there has also been a relatively extensive undertaking involving replacing the old and displaying the new logo in all our premises and outlets, on all our equipment and vehicles, and at all our business facilities.

This decision to change required the involvement of the entire Czech CCSR department whose responsibility it was to organise and execute an especially visual campaign, but also of all IT colleagues, operation and sales staff, financial departments, head office secretariat and others whose responsibility it was to ensure that these changes were projected into internal documents, systems and processes and whose responsibility it was to also inform all relevant government authorities and institutions. In addition, all of this had to be done so that as of 1st February all legislative requirements are met and satisfied.

Successful accomplishment of this goal can be credited not only to the departments which were in charge of the rebranding programme, but also to every single employee of the FCC companies in the Czech Republic.

# FCC Aqualia starts-up the Huechún nanofiltration plant in Chile

View of the nanofiltration containers at the plant.

Sand filters and runoff tank.

FCC Aqualia started operations of the Huechún nanofiltration plant in Til Til, situated in the metropolitan area, in Chile. Designed, built, and operated by the Company, the infrastructure serves two purposes: it treats the salinated water from the hydraulic barrier of the reservoir of tailings from the mining activities of Codelco (Corporación Nacional del Cobre de Chile) and, pumps the water produced for its subsequent reuse.

Codelco División Andina is the world's leading copper producer. The contract, initiated at the end of 2014, contemplates the design, procurement, supply, construction, commissioning, and operations during a 12-year period.

This infrastructure is the fourth one built by Aqualia in Chile since it started operations in this Andean country in 2011, and the second one in the northern metropolitan area of Santiago de Chile. Last year, the Company completed the Cadellada treatment plant, a turnkey project worth 17.5 million USD which marked yet another step in its diversification strategy.

According to FCC Aqualia's country manager in Chile, José Ropero "the trust that Codelco has deposited in us represents a new opportunity for FCC Aqualia to demonstrate the global solutions that it can provide, as a leading company, to the mining industry. At the same time, we will continue to seek new opportunities to develop models similar to those that have been implemented successfully in other countries such as Mexico, Uruguay, Italy and the Czech Republic".

> "The plant treats salinated water from the mine exploited by Codelco Andina (Corporación Nacional del Cobre) in Til (Chile)"

## Treatment units

With production flow of 100 litres per second, the plant includes the following treatment units: flow measurement; raw water tank; filtration; washing of filters; micro filtration; chemical treatment prior to nanofiltration; pumps feeding the nanofiltration; nanofiltration; storage deposit; pumping of runoff; chemical cleaning of frames; electrical works with SCADA control and automation system; pipes, administrative offices in modified containers for the storage and control area.

## About tailings

Tailings are the toxic leftover materials from mining processes and the concentration of minerals usually comprising a mixture of dirt, minerals, water, and rocks. Tailings contain high concentration of chemicals and elements that affect the environment and, consequently, must be transported and stored in "Tailings tanks or pools" where the contaminants slowly settle at the bottom and the water is recovered and evaporated.

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In the photograph, girls and boys after watching the play based on the story published for the 14th edition of the International Drawing Contest.

# FCC Aqualia celebrates World Water Day 2016 in various cities

**FCC Aqualia celebrated World Water Day stressing, under the slogan chosen this year, "Water and Jobs", the importance of this resource and the work of thousands of people who every day contribute to better water management thereby generating development and wealth in communities.**

FCC Aqualia joins the message launched by the United Nations for the celebration of World Water Day this year, "Water and Jobs". According to U.N. data, currently half of the workers in the world (1.5 billion) work in water-related sectors and nearly all of these jobs depend on water and on its safe distribution.

Managing water services, a public good and a human rights recognised by the U.N. requires resources, specialisation, experience and collaboration. FCC Aqualia's professionals, committed to people and their environment, work ever day to generate development and wealth in the territories where it provides its services.

Also, educating people on the efficient use of natural resources is essential for achieving the sustainable development of our environment. Sharing knowledge with young people so that they acquire responsible habits in the use of water, both in terms of consumption as well as returning it to its natural environment through water treatment processes is fundamental. It is also important for them to know what's behind the simple act of turning on the faucet and enjoying water or returning it to its natural environment with full guarantees and to recognise the value of the thousands of professionals who manage a resource as precious as water.

Sharing FCC Aqualia's work and its commitment to managing water in their cities and towns is a key activity in World Water Day, particularly in places where this resource is not easily available to people.

# Wagering on the future in Oviedo

Children in Oviedo were the leading players on World Water Day. The Fozaneldi Public School was invaded by the main characters of the story that inspires the new edition of the International Drawing Contest in order to build awareness, among third and fourth grade students, through a theatre representation, on the need to acquire responsible water consumption habits.

Coinciding with this celebration, FCC Aqualia launched a new edition of the International Children's Drawing Contest with the slogan "The water cycle for the brave".

Children from third and fourth grades are invited to participate in the cities and towns throughout Spain where FCC Aqualia provides its services. The contest is organized through the www.elciclodelaguaparavalientes.es website. The proposal for this year is for children to describe their knowledge on each of the phases of the water cycles in a story. Magicians, champions and other characters inspire the youngsters in this fun challenge, encouraging their creativity while, at the same time, making them aware of the importance of water.

The organizers of the contest say that the objective is for them to travel through each of the phases of the end-to-end water cycle and to show what they have learned by creating their own story.

This 14th edition of the contest is of an international scale. Besides Spain, it is also organised in Portugal, Italy, and the Czech Republic, countries where FCC Aqualia operates by managing the end-to-end water cycle in several municipalities and territories.

Some of the city councils in the locations where FCC Aqualia operates seized the opportunity during this special occasion to recognise the children's involvement in the previous edition of the contest and gave them prizes. In the last edition finalists were given the game "My first vegetable patch" where they discovered the power of water in making plants grow and fill the world with life.

Photo of the students during their visit to the Miajadas (Caceres) potable water treatment plant.

# Santander

One of the activities in 2016 was the visits to the facilities where more than 200 students from Santander toured the water catchments that supply the city. The potable water treatment plant in Denia (Alicante) received 300 fourth grade students who had the opportunity of gaining first-hand knowledge of the end-to-end water cycle.

Photo of the members of the Alliance for Sustainable Water Management in Ibiza and Formentera during their first collaboration meeting.

# Ibiza

The Santa Eulàlia and Ibiza desalination plants opened their doors to welcome more than 500 schoolchildren who were able to discover the process used for bringing drinking water to their homes.

Coinciding with the celebration of World Water Day, a presentation was organised on "Alliance for sustainable water in Ibiza and Formentera" in which FCC Aqualia plays an important role. The association was created as a space for dialogue, transparency, and consensus-building among the players representing the collective interests in water management in the Balearic Islands which cyclically suffers from draughts that have a significant impact on water reserves.

# Miajadas (Cáceres)

In Miajadas, the residents of the retirement home accompanied students from Sagrado Corazón de Jesús and García Siñeriz schools in their tour of the potable water treatment facilities.

# Olivenza (Badajoz)

In Olivenza, Extremadura, the head of the service spoke before a group of students from Francisco Ortiz School on the end-to-end water management cycle.

# Czech Republic

On the Saturday before World Water Day, more than 400 visitors, most of them families with their children, enjoyed the unique opportunity offered by Severomoravské Vodovody a kanalizace Ostrava (Czech Republic). SmVaK Ostrava opened the doors for the public at its wastewater treatment plants in the cities of Opava, Novy Jicin, Karviná and Frýdek-Místek (Sviadnov) and the Nová Ves potable water treatment plant in Frýdlant nad Ostravicí. The facilities were completely full and the mass media of the region accompanied the visitors during the tour and the plants did not interrupt their operations on that date.

In Nová Ves, visitors learned about the distribution of water from the Šance reservoir which is supplied as water fit for drinking to the clients who live in nearly 60 cities and towns in the region as well as in the border with Poland.

Those who visited the four wastewater treatment plants toured the facilities following the line of water; from the entry of wastewater to the point where it is discharged after its treatment. Plant personnel explained the processes and the parameters in water which are controlled before being discharged in the natural environment.

Besides the tour which included a detailed description of the process, visitors were able to watch a tank truck filled with wastewater that is used to clean the sewers and the rainwater drainage systems.

# Vigo, Salamanca, Ávila ...

The city councils of other cities where FCC Aqualia operates, such as Vigo, Salamanca, and Avila, seized the occasion and launched several activities to create awareness and encourage the involvement of children and adults in the responsible use of water.

Video of the contest:
https://www.youtube.com/

# 14th edition of the International Children's Drawing Contest

The International Children's Drawing Contest has become a reference in the cities and towns where FCC Aqualia operates. With this initiative the Company reinforces its collaboration with schools and city councils. The contest has become increasingly popular with each new edition thanks to the enthusiasm and involvement of the children who participate. Besides strengthening the bonds with institutions, the contest brings to the forefront the resource that we manage and the work of the company, making youngsters aware of the complexity of the end-to-end water cycle.

In this 14th edition, a story was written entitled "The water cycle, an adventure for the brave" where Achedoso, the Magician, and the Water Champions inspire youngsters in this fun challenge.

Children will be able to participate until 9 May and will have a chance to win prizes in two categories: individual and group. A Samsung Galaxy Tab 4 7" will be given to each winner of the ten selected drawings and the winning school will receive a 1,000 euro voucher for purchasing school material. In addition, 250 underwater cameras will be distributed among the finalists and the name of the winners will be announced at the FCC Aqualia website (www.FCC Aqualia.es), at all FCC Aqualia offices and through the twitter @ConcursoDMA account.

Image of the promotional video
for the International Drawing Contest

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