

we are **FCC**



we are

a new name
for the FCC
magazine



SUMMARY

 Group FCC

 Did you Know...?

 Business

- Environment
- Water
- Construction

 People

 Responsibility

 Wellness

 Innovation

 Communities

 Communication

 Brief

- Environment
- Water
- Construction



“We are FCC”, the new name of the FCC Group magazine

Dear friends,

I want to share with you the news that the FCC Group magazine has changed its name to “Somos FCC” (“We are FCC”).

The new online publication is designed using HTML5 technology, a version that makes it possible for websites and applications to increase in diversity and scope.

As its name indicates, we are all FCC and must continue to focus on working as a Group so that we can achieve synergies and make progress together. In a Company that is so diversified, present in 25 countries, the ability to collaborate is very important. Our new magazine aims to help us know ourselves better, to systemise and recognise accumulated experience, and to promote the interaction of people in the different business areas,

In “Somos FCC”, the limelight is on people who, thanks to their professional management, build a company that is diversified geographically and by sectors based on common values, the Company and the businesses. You will be able to find information here and knowledge from all of the business areas that make FCC the leading Citizen Services Group and to share its contents through social networks and with stakeholders.

The name “Somos FCC” was chosen by FCC Group employees. I wish to congratulate them for this very appropriate proposal.

I encourage you to navigate through “Somos FCC” and to collaborate in this space, either with signed articles or by submitting proposals for articles to highlight the activities and performance of the human teams in their respective business areas.

Cordially,

Carlos M. Jarque
CEO of the FCC Group

FCC renews its pledge to ONCE Foundation to hire people with disabilities



Carlos M. Jarque, CEO of FCC Group, and Alberto Duran, Executive Vice-President of the ONCE Foundation, have renewed the Inserta Agreement, which was first signed in 2009. Under the new terms FCC will commit to hiring 125 people with disabilities over the next three years, bringing the total number of disabled people hired since the collaboration programme started to 425.

According to Carlos M. Jarque: “Entering into this Agreement is part of the measures promoted by FCC to contribute to improving the labour insertion and social integration of people with disabilities. Furthermore, talent for a sustainable future, diversity and equality are the cornerstones of growth that structure our Group philosophy. Therefore, renewing this agreement is very important for us because it will ensure that many people are given better opportunities”. “For years”, Jarque continued, “we have worked with specialist institutions that help us to organise the hiring and monitoring of disabled people who join our organisation, by matching the suitability of the job to the professional profile of each worker and facilitating integration standards within our Group”.

For his part, Alberto Duran commented that he is “highly satisfied to have a partner as FCC has proven to be, capable of offering a chance to people with fewer opportunities than the rest and who, like everyone else, need to work in order to live a life as normal as possible”. At the same time, he encouraged FCC to look on people with disabilities as a niche market from which certain advantages can be taken. “This agreement”, the Executive Vice-President of the ONCE Foundation added, “makes FCC a better company and a company that is concerned with the integration of people”.

The agreement is part of the operational programmes for Youth Employment and Social Economy (POEJ) and Social Inclusion and Social Economy (POISES) developed by the ONCE Foundation through Inserta Empleo. It is co-financed by the European Social Fund that seeks to increase vocational training and employment among people with disabilities.

FCC intends to continue relying on Inserta Empleo, the ONCE Foundation’s entity for training and employment, to cover new job vacancies required by the company, to pre-select candidates that are best suited for the specific profile, and to provide training

Both entities have entered into their fourth Inserta Agreement

that enables them to perform the tasks allocated to them.

In addition, it will continue to collaborate with the No Te Rindas Nunca (Never Give Up) Plan, a flexible programme that aims to boost employment among young people with disabilities under the age of 30. The scheme is based on 34 measures that cover all key aspects for promoting employment in this segment of the population. These range from providing personalised training and promotion of entrepreneurship to acting as labour intermediaries with companies that integrate disability into their Corporate Social Responsibility policies.

The agreement also includes promoting other actions that indirectly foster the employment of disabled people through the purchasing goods and services from special employment centres.

The Agreement is one of the measures promoted by FCC to contribute to improving the insertion and integration of handicapped persons into the labour market

A W A R D S AVANZA

Creating the future together

We like to count on you to move forward together. The AVANZA Awards have been created to acknowledge the work done and efforts made every day by the organisation's personnel to improve the company's competitiveness, social integration, the quality of our processes, respect for the environment and the development and application of innovative solutions or practices. All in the context of our organisation's continuing concerns about sustainable development, fostering employees' welfare, and research, development and innovation.



Integration



Quality



Sustainability



Innovation



FCC launches the first edition of the “Awards Avanza”

In all its business units and in Central Services, FCC has launched the “Premios Avanza”. This initiative aims to recognise the work and efforts of the employees of the organization who contribute in their day-to-day work to improving the Company's competitiveness, in-house social integration, the quality of our processes, respect for the environment, and the application of innovative practices and solutions.

The prizes are divided into the following categories:

- Prizes for social initiatives
- Prizes for quality
- Prizes for the environment
- Prizes for innovation

The Selection Committee of each area, created for this purpose, will select the four finalist projects. The pre-selected projects in each category and from the different business areas, will then pass through a final selection process that will be carried out by a panel of judges comprising an Assessment Committee made up of members of each of the Corporate departments of each business area and Central Services who will be in charge of selecting the winning project.

We hope that this is an enriching initiative for every one and invite everyone to submit their contributions, to spread information on the contest in all areas of their organization and to encourage the involvement of employees.

- [Applications for FCC Environment \(link\)](#)
- [Applications for FCC Aqualia \(link\)](#)
- [Applications for FCC Construcción \(link\)](#)
- [Applications for FCC Central Services](#)



FCC supports International Women's Day

FCC joined the celebrations for International Women's Day, a day that has grown to a global scale and has become a forum for reflection on the progress achieved by women and the aspects that have yet to be improved.

For another year running, FCC has joined the cause by showing its commitment to equality, female leadership and diversity, which are hallmarks of the Group.

A roundtable discussion was held at FCC's corporate headquarters in Las Tablas, under the title "Women and Innovation". Participants included female representatives from the fields of medicine, research, culture, communication and engineering, they shared the progress achieved in the area of equal opportunities in their respective field.

Rafael Echevarría, the Health and Safety Director of FCC Medical Services in Spain, opened the discussion. The moderator of the panel was María Cano, director of the Madrid Diario newspaper. Participating this panel were María Angeles Gallego, director of the Institute of Lan-

guages and Cultures of the Mediterranean and Near East (ILC) of the CSIC; Dr. Cristina Nevado, digestive system general surgeon at the 12 de Octubre Hospital; Lola Álvarez, communication consultant at Alma Comunicación and lecturer at Loyola University Andalusia; María Jesús Kaifer, technical director of industrial waste at FCC Ámbito; Eva Martínez, head of the R&D department at FCC Aqualia; and Elizabeth Rodríguez, head of the international R&D&I department at FCC Construcción. The event was brought to a close by Ana Benita, corporate director of recruitment, training and labour relations at FCC.

On this international day, FCC also joined the campaign led by Spain's Ministry of Health, Social Services and Equality under the theme "Only Moving Forward".

FCC's ongoing commitment is illustrated through its active involvement in promoting equal opportunities:

FCC has signed up to the United Nations Global Compact, as well as the UN Women's Empowerment Principles, which offer practical guidance on how to empower females in the workplace.

FCC considers equality and diversity management as the linchpin of all its activities, hence the implementation of an Equality and Diversity Policy that outlines its commitment to equal opportunities, promotion of and respect for diversity, and the elimination of all form of discrimination or harassment.

In addition, within the framework of the equality and diversity strategy, the Group has drawn up and implemented nine Equality Plans alongside the key trade unions since 2008.

In 2014, the main companies of the Group signed four agreements with the Ministry of Health, Social Services and Equality aimed at boosting the numbers of female executives in their governing bodies and achieving a gender balance in corporate responsibility positions.

Lastly, four of the Group's companies have been awarded the "Equality in the Workplace" hallmark, an accolade of excellence granted by the Ministry of Health, Social Services and Equality that acknowledges companies that strive to develop policies and practices to promote equal opportunities between women and men in the workplace.

FCC Chairwoman, Esther Alcocer Koplowitz, and the Group's CEO, Carlos M. Jarque, sent a message to all employees to report on the significant steps taken by the company on this topic. This includes increasingly bolstering the presence of women in the organisational structure in different roles, in particular with technicians, engineers, project managers, executives and directors, as well as the increasing incorporation of women into the company year on year.

The Chairwoman and the CEO took advantage of International Women's Day to congratulate all of the women in FCC Group for their commitment, determination, great work and their valuable contribution to the growth of the company.

FCC, example of good practices in Channel 2, Spanish TV

Channel 2 of Spanish TV aired a report on work and family life balance and on companies that apply equal opportunities policies at their workplaces.

Our equal opportunity plans and the equality seals awarded to FCC Group, companies were the rea-

sons for being chosen to participate in the program as a company that sets an example of good implemented practices.

On behalf of FCC, the employees who participated in the TV program were Ana Benita, Manager of the Corporate Legal Department, Labour Relations, and Risk Prevention; Ana Arroyo, Project Manager at FCC Aqualia; Elizabeth Rodríguez, manager of the International R+D+I Department at FCC Construcción; and María Grima, head of Medio Ambiente's Labour Department Legal Services.



Companies promoting labour equality among men and women. (Program, "Aquí hay trabajo" (There is work here).

Environment

- Present in 13 countries
- Operating in more than 5,000 municipalities
- Providing services to over 59 million people



Our businesses in figures

FCC has implemented a balanced business model, combining activities in Environmental Services, End-to-end Water Management, Construction and Cement.

Cement



- Operates in three continents
- Production capacity of 15.6 million tonnes of cement



Water

- Present in 22 countries
- Providing services to 1,100 municipalities
- And to a population of 23,620,000 inhabitants



Construction

- Present in more than 15 countries
- Built over 900 kilometres of high-speed railways
- Executed more than 600 kilometres of tunnels

What happens to our garbage?

Daylight breaks in the cities and the streets are clean. Waste collection employees have removed the garbage bags from the day before and everything is in order and clean.

At the end of 1883, the prefect of Paris, Eugène Poubelle, implemented in this city on the Seine the mandatory use of garbage bins. The decree made it obligatory for building owners to provide residents with three covered containers for depositing organic waste, paper and ceramic materials.

Parisians made an effort to support the innovative measure that would certainly improve public health. This invention that revolutionised the habits of the world was baptised by Parisians as the “Poubelle” in honour of Eugène Poubelle.

The invention evolved rapidly and began to be manufactured in industrial facilities. Many models were patented for depositing waste and, consequently, to prevent many diseases.

Other types of containers were introduced later: brown ones for organic waste, blue for paper and cardboard, yellow for plastic and metal containers, green for glass and grey/dark green for mixed garbage.

A wonderful idea for cities that, since, then, have witnessed how solid urban waste management evolved, maintaining the order of cities, cleanliness, and hygiene.

Where does our waste go after it is deposited in the garbage pail? What happens afterwards?

Thousands of tons of waste are generated each year around the world. Processing and disposal of this waste takes place in the recycling, composting and biometanisation facilities, controlled landfills or at energy from waste plants.

Garbage goes first to a treatment facility in order to remove recyclable materials and to biostabilise organic material.

The first step in the process is weighing waste and depositing in the unloading zone. Then large articles are separated and the rest are

divided into two fractions: the larger ones that contain by-products and are removed from the flow by means of different sorting techniques; and the smaller-sized fractions, mainly organic material that is sent to the fermentation area to obtain a biostabilised material.

Lastly, unrecovered material at the composting plant ends up in a final facility.

Depending on the infrastructures in each country, the destination of waste rejected at the treatment plant goes to controlled landfill sites or to

energy from waste (EfW) facilities that generate electricity by burning non-recyclable waste from households, commercial facilities or industries. Steam is generated in this process and a steam engine transforms it into electricity that is fed to the power grid.

WASTE AND ITS JOURNEY

1.



Products acquired.
Waste begins to be generated.

2.



Consumption and separation.
Responsibility begins
at home.



Transport.

3.



Classification.
Recycling.
Waste treatment.

Other may return to their
state as source material.

5.



Some waste can be
turned into energy.

4.



Classification and treatment plant.



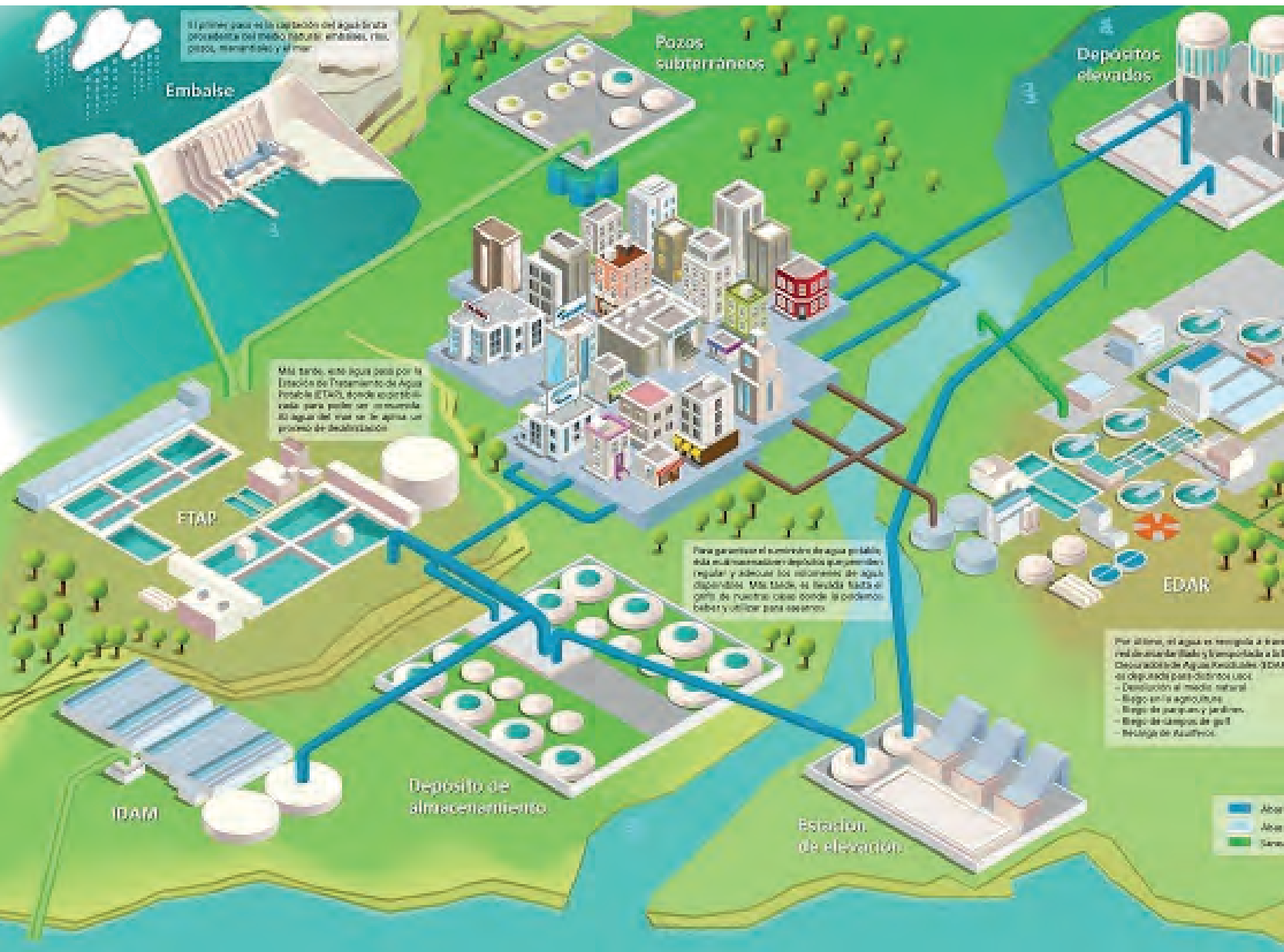
Compost plant.



We tip as little as possible
at the landfill.



Waste energy valuation plant.



The end-to-end water cycle

FCC Aqualia controls even the smallest detail in all the phases of the end-to-end water cycle; from its capture, potabilisation and treatment of water collected in the natural environment, up to its distribution and collection of used water for purifying it and returning it to the original source in optimal conditions so as not to harm the environment.



“FCC Aqualia carries out initiatives that, in keeping with FCC’s Environmental Policy, aim to improve the efficiency of management of natural resources, more rational energy consumption, and the identification of the risks associated with the Company’s activity”

More than 75% of our planet is made up of water. When we talk about water, we usually associate the expression with oceans, rivers or lakes. Supplying drinking water to urban centres has become a vital need and a technological challenge. Ensuring that residents can use this natural resource without interruption is subject, among other factors, to climate change, responsible use, demand, and the size of the population.

The end-to-end water cycle begins by capturing water followed by its treatment, purifying it and then supplying drinking water to citizens. Once water has been used, it must be treated and purified, a process performed at the wastewater treatment plant, in order to return it to the environment in the appropriate amount and quality without harming the environment, making efficient and sustainable use of the resources and materials used in the process. At this point, the end-to-end water cycle is completed.

FCC Aqualia’s efficient management of the end-to-end water cycle

FCC Aqualia is capable of managing each of the phases of the end-to-end water cycle. Optimising water resources, comprehensive management of water treatment and purification plants, strict control of quality and care of the environment, as well as preventive and corrective cleaning of sewers and wastewater treatment are part of the activities and of the requisites included in most of the con-

cessions managed by FCC Aqualia. Water is a very controlled product and, accordingly, FCC Aqualia has a highly qualified professional team, the most innovative material means in the market and more than sufficient instruments for performing any type of analysis required by the Administration.

Water produced at the drinking water treatment plants (DWTP) are subject to strict control procedures. It must comply with the requirements of Directive 98/83/EC of the European Commission on the quality of water for human consumption that was transposed in Spanish Royal Decree 140/2003 that sets out the health criteria for the quality of water for human consumption nationwide. The application of this new regulation increases the protection of the population’s health against the possible risks associated with water contamination and complies with the obligations defined by the European Union. FCC Aqualia has consolidated ex-

perience in operations and maintenance of wastewater treatment plants (WWTP) and drinking water treatment plants (DWTP), managing more than 300 facilities of this type in countries such as Spain, the Czech Republic and Italy.

FCC Aqualia plays a significant role as a manager of the end-to-end water cycle. Its rigorous management, experience, and network of specialists guarantee at all times the best response to each problem relating to water treatment.

Furthermore, protecting rivers, lakes, fauna and flora, eliminating odours, reducing the degradation caused by discharges, and the protection of the environment in general is the duty of public administrations and a challenge for the companies that work with them, such as FCC Aqualia.



25 years of High Speed Rail

Over 900 kilometres bear the FCC seal

Over its 100-year history, FCC Construcción has worked on a large number of railway projects, in terms of both infrastructure and superstructure, covering the full range of rail types including both conventional and high speed rail. It has also delivered the renovation of existing lines and the construction of new stations as transport hubs in large cities. Spain has the largest high-speed railway network in Europe and the third largest in the world. In total, FCC Construcción has built over 32% of all the high-speed lines in the country, amounting to over 900 km of the 2,200 km of the Spanish High Speed Railway Network.

Madrid-Seville: The first high-speed line

The first high-speed railway line in Spain, which connected Madrid and Seville, gave rise to one of the biggest challenges in civil engineering. FCC Construcción participated in this project by building 172.5 kilometres of line and the Puerta de Atocha and Santa Justa stations in Madrid and Seville, respectively. Ten sections of the Madrid-Barcelona-French Border line were subsequently constructed, which cover over 185 km, as well as the Zaragoza-Delicias station. FCC Construcción has also worked on several sections on other operational lines: the Córdoba-Málaga, Madrid-Valladolid, Zaragoza-Huesca and the Madrid-Valencia lines; the Atlantic Axis and the Asturias access line; the Mediterranean Corridor, where it has constructed over 80 km of line, and a number of kilometres on the North-Northwest Corridor of the Madrid-Extremadura-Portugal, Seville-Cádiz and Madrid-Alicante lines. FCC Construcción has also worked on some of the most important high-speed lines, such as the Guadarrama and the Pajares tunnels.

High speed lines

Atlantic Axis

99.0 kilometres.

New Asturias access

31.3 kilometres.

Madrid-Barcelona-French Border

185.3 kilometres.

Mediterranean Corridor

80.2 kilometres.

North-Northwest Corridor

10.1 kilometres.

Madrid-Extremadura-Portugal

6.2 kilometres.

Seville-Cádiz

17.5 kilometres.

Córdoba-Málaga

3 kilometres.

Zaragoza-Huesca

31.2 kilometres.

Madrid-Valencia

92.6 kilometres.

Madrid-Seville Line

80.8 kilometres.

Madrid-Valladolid

87.7 kilometres.

Madrid-Alicante

11.4 kilometres.

Seven women from the FCC Group

successfully complete Management Development Program for Women with High Potential



FCC and Escuela de Organización Industrial (EOI, Spanish acronym, School for Industrial Organization) completed the last training program for women with high potential, the objective of which is to facilitate the acquisition and development of management competencies and skills, focusing on key aspects such as equal opportunities, diversity, and corporate ethics.

Amparo Pérez, Guadalupe Bobadilla, Raquel Losada, Marta López, Eva Ramos, Eva Arnaiz and Eva Martínez

successfully completed the sixth edition of the Development Program designed for Pre-Managers with High Potential, which as carried out at the EOI.

This training program is promoted and partially funded by the Ministry of Health, Social Services and Equality through the State Secretariat of Social Affairs and Equality. The main objective of the program is to provide comprehensive training to prepare these women to take on greater management responsibilities in the future based on a multi-disciplinary approach. The final objective is to create awareness in companies on the benefits of having female talent and, accordingly, to achieve a balance among men and women in key decision-making jobs.

The course provides multi-disciplinary training to promote management capabilities among participants and enrich personal and professional development; promoting teamwork and having participants interrelate, crea-

ting a network of contacts among professors and students.

The course took place from April to November 2016. It combined on-site classes with online training. The subjects taught throughout the course include finance, management skills for managing efficient and motivated teams, operating management to learn about the corporate organization's functional areas, management in companies to discover the key to innovation and to identify business opportunities, as well as an individual

Thirty-six female employees of the company have participated since 2011 until 2016 in this program, a decisive factor for their future careers.

CONECTANDO LOS MEJORES
PROFESIONALES CON LAS
NECESIDADES DE CADA
NEGOCIO



POLÍTICA DE
MOVILIDAD
INTERNA



Raúl Rivera Martínez



Iñigo Fernández Rico



José V. Colomina

We are FCC

The new name of the FCC magazine

We have a new name for the Red de Comunicación magazine. As of the next number, it will be called Somos FCC, We are FCC in English.

Several proposals for the name Somos FCC were submitted and this is the reason for having selected the name for the magazine.

From the Corporate Marketing and Brand Department, we want to thank everyone who submitted a proposal. There were more than 300 ideas, all of which were very appropriate, with criteria and creativity.

Involvement in the contest for finding a new name for the Red de Comunicación magazine was a total success. Thank you for participating.

The winners of the contest were:

- Raúl Rivera Martínez - FCC Medio Ambiente
- Juan Antonio Mutiloa Oria - FCC Aqualia
- Sandra Galiana Saura - FCC Medio Ambiente
- Juan José García Pérez - FCC Medio Ambiente
- Iñigo Fernández Rico - Ecocentral Granada
- José Vicente Colomina Berenguel - FCC Aqualia

Juan José García Pérez



Juan Antonio Mutiloa Oria



Sandra Galiana



Interview

Eduardo Yges Peña

Manager of Industrial Construction and Oil and Gas Projects at FCC Industrial



Eduardo Yges Peña, a graduate of Universidad Politécnica de Madrid, is a civil engineer specialising in hydraulics and energy. He obtained a masters' degree in construction company management and an Executive MBA from Escuela de Organización Industrial.

He began his professional career in 1988 in the construction sector at the company Agromán. He held several management jobs at Ferrovial and OSHSA (OHL Group). In 1998, he joined the FCC Group as manager of the construction company specialising in building gas and oil pipelines. In 2011, he was transferred to the job that he currently has at FCC Industrial. Eduardo Yges has been

working at FCC for the last 19 years, working at managerial jobs linked to energy and industrial projects (gas, renewables...), national and international with public as well as private clients.

FCC Industrial has experience in more than 2,500 kilometres of gas pipelines built in Spain. Given the current energy situation, will you continue to build and enlarge the gas pipeline network or does future work imply major international energy transport infrastructures such as the Samalayuca – Sásabe gas pipeline in Mexico currently under construction?

In Spain, there are currently more than 84,000 kilometres of gas pipeli-

nes, 84% of which correspond to the Distribution network (almost all the transport through high-density polyethylene pipes) in comparison with 16% of Primary Transport (high elastic limit carbon steel pipes).

Of the total work executed by FCC Industrial, 45% is for the distribution network and 55% for transport. These figures are essential to be able to understand the energy situation and the possibilities for enlarging the current energy transport network.

Investments in the primary gas transport network are practically at a standstill. With this scenario, for FCC Industrial the present and the near future of building gas pipelines implies the execution of major international energy transport infrastructures, such as the Samalayuca – Sásabe gas pipeline in México. We contribute our expertise in this project as well as our experience and capabilities for executing projects such as this one on schedule and with the maximum efficiency and profitability.

Let us talk about LNG. FCC Industrial recently finished building a 30,000 m³ tank in Finland. Is the company studying new possibilities and opportunities in the gas sector?

In the case of FCC Industrial and of the Oil & Gas projects division, the oil crisis is affecting major international projects of electricity generation with fossil fuels. Nevertheless, we are seeing growth in renewable energies in Latin America and the Middle East and in energy-from-waste in Europe.



Therefore, we continue to wager on LNG and are currently involved in a tender process for new storage tanks in Europe. We recently completed, for Skangas, the execution for of the cryogenic double-containment LNG tank with a capacity of 30,000 cubic metres in Pori, Finland.

FCC Industrial has designed, built, and is currently operating and providing maintenance services to two thermosolar plants and a photovoltaic park. What do you think of the renewables sector? Are greater investments required in innovation to improve performance?

The renewable energy sector has experienced limited growth mainly because of the oil crisis and due to an unstable regulatory framework. Both factors have had a negative impact on the Oil & Gas industry. Growth in renewables is more evident in the Middle East and in Latin America. Besides the above-mentioned renewables, there has been growth in wind and waterpower in comparison with geothermal and tidal power that remain stagnant due to their limited development.

The main reason that investments in these types of projects have come to a standstill is due to their low performance and, therefore, it is necessary to make greater investments in innovation.

FCC Industrial was recently the award-winner of the EBA prizes in the corporate sustainability category. It also competes in the popular vote to become the champion in Europe. What is the Company's participation in the sustainable energy sector?

Since 2012, the Company operates and provides maintenance services at two thermosolar plants, each with a nominal power capacity of 49.9 MW/hour that supplies energy to more than 30,000 families, equivalent to a population of 70,000 people. FCC Industrial designed and built both facilities that represent a milestone reflecting the Company's



contribution to energy sustainability and efficiency.

Sustainable practices, reflecting FCC Industrial's environmental policy, have been implemented at the Guzmán thermosolar plant.

The division in charge of comprehensive refurbishment of buildings, we continue to combine sustainability, energy efficiency and profitability criteria. The Company obtained one of the highest LEED scores in Spain and in Latin America for its CPD project in Murcia. Furthermore, in recent months the Company's complete renovation of the Paseo de la Castellana 278-280 building (Madrid) was awarded a gold category certificate.

Waste to energy. FCC Medio Ambiente and FCC Industrial are currently working very closely in preparing bids for incineration plants. Sustainability or efficiency in generating energy from waste generated by people?

I think the change in the current philosophy of the FCC Group brought about by the new majority shareholders is very important. I refer specifically to the essential increase of synergies among all of the Group's business units.

If we combine FCC Medio Ambiente's experience in the design, operations,

and maintenance of these types of projects with FCC Industrial's experience in building and assembling these types of projects, we will be creating the perfect tandem for developing any environmental EPC project.

Is it necessary to increase investment in innovation to optimise resources and improve systems efficiency?

The way of achieving this energy efficiency of systems and processes is by investing in innovation and in research and development (R+D+i). At FCC, we promote an active technology development policy, constantly applying innovation in our projects, and are firmly committed to research and development, sustainability, and to contributing to the quality of life of society.

New energy-savings awareness campaign

At the end
of the day,
let it hibernate.



More than 2,500 computers remain switched on at the end of the working day.

By putting computers into hibernate mode each day we will cut CO2 emissions by more than 1 million kilos, equivalent to the amount absorbed by around 49 thousand trees each year.

As part of the energy-saving policy, a new initiative will be launched on 15 March that consists of hibernating computers after 30 minutes of idle time.

Hibernation is an energy saving mode of IT equipment (PCs and Laptops). Once activated, all the information is stored on the hard drive and it is switched off completely. Once switched on again, in addition to doing so very quickly, it keeps the same desktop appearance as before the hibernation, running programs and open documents, etc.

This measure will be applied to all computers registered on the corporate network. All computers that for business reasons must remain switched on should be notified through the [Service Desk portal http://gsd](http://gsd) and using the user PC catalogue request: Request to deactivate the energy-saving policy of a PC.

Red Cross

acknowledges FCC employees' charitable work

On behalf of all FCC employees, Carlos M. Jarque, CEO of the environmental services, infrastructure and water management group, has collected a diploma from Javier Senent García, President of the Spanish Red Cross. The certificate expresses gratitude for the engagement of FCC employees in the Christmas toy collection campaign "Their rights in play". The ceremony took place on 15th February at FCC's corporate headquarters in Las Tablas.

With their involvement in the campaign last Christmas, FCC employees helped to provide toys requested by many families facing economic hardship. Through its commitment and by implementing initiatives like this, FCC is raising awareness about these issues, thereby encouraging

more people to help those that are most in need.

During the event, Carlos M. Jarque emphasised that "the participation of employees in this type of voluntary action is a further demonstration of the solidarity and support of the people who make up the FCC Group. From my position here, I would like to thank all those who collaborated in such an enthusiastic way in this charitable initiative".

Both organisations share a similar outlook in that they seek to foster wellbeing among people, "collaborative ties between the Spanish Red Cross and companies is crucial", said the chairman of the Spanish Red Cross, Javier Senent García, during the meeting.

Other charitable activity

This is not the first time that FCC has taken part in a similar charitable initiative. In 2015, FCC employees donated around 2,440 children's books to the Red Cross during the Christmas campaign "This Christmas Will Tell a Tale". In collaboration with the Food Bank, FCC also staged various campaigns for collecting non-perishable and basic needs goods including essential hygiene products as part of the ongoing "Operacion Kilo" programme.



Commitment to climate change

FCC Construcción obtains “I calculate and reduce” stamp of the Register of Carbon Footprint, Offsetting and Carbon Dioxide Absorption Projects

FCC Construcción has yet again registered its carbon footprint for 2015 in the Register of Carbon Footprint, Offsetting and Carbon Dioxide Absorption Projects of the Ministry of Agriculture, Food and the Environment, as it has been doing ever since 2012.

Companies that voluntarily undertake this initiative receive a stamp from the Government for participating in the register, which acknowledges their effort in the fight against climate change.

In 2015, FCC Construcción obtained the “I calculate and reduce” stamp, which besides acknowledging our involvement and ability to quantify and verify our greenhouse gas emissions, sets the company apart as one of the organisations that effectively reduces its carbon footprint. More specifically, FCC Construcción was awarded the

stamp after accrediting a reduction of 14.06% on the average emission intensity in the three-year period from 2013-2015 with regards to 2012-2014, for its whole carbon footprint (scopes 1+2 and 3).

It should be pointed out that as of December 2016, only 19 companies out of the 360+ registered have been awarded this stamp, accrediting a reduction in emissions.

FCC Construcción is part of the #PorEIClima (For the Climate) Community, promoted following the Paris Agreement, which defines the commitments for reducing emissions.

The Climate Change Strategy of FCC Construcción

FCC Construcción commenced its Climate Change Strategy in 2010 by designing and implementing a protocol to quantify greenhouse gas emissions in construction. Since then, every year the company draws up and verifies its greenhouse gas emission (GHG) report. FCC is the first Spanish construction company to have been verified by

AENOR and showcasing, ever since 2012, the carbon footprint certificate “Verified CO2 Environment”, accrediting both the authenticity of the calculation and the inclusion of the GHG management in the organisation’s System and strategy.

This initiative was awarded second prize in 2012 in the category of “Management for Sustainable Development” in the European Environment Awards granted by the Entorno Foundation.

Another communication and environmental awareness initiative carried out in 2015 was FCC Construcción’s participation in the campaign “One million commitments for the climate” by the Ministry of Agriculture, Food and Environment (MAGRAMA) and the Ecology and Development Foundation (ECODES), ahead of COP21 in Paris.



FCC Aqualia, in compliance with Royal Decree 56/2016, has implemented a set of measures that imply greater production and economic efficiency and also reduce the carbon footprint of our activity.



FCC Aqualia has adapted its Energy Management System in all of the Company's business areas to the requirements of Standard 50001, obtaining, as a result, greater production and economic efficiency at its facilities as well as a clear environmental benefit by reducing greenhouse gas emissions. Indirect emissions from energy consumption account for 60% of FCC Aqualia's carbon footprint. Accordingly, the Carbon Footprint Reduction Plan contemplates energy efficiency as the key objective.

By implementing this new standard, FCC Aqualia is a step ahead of the drafting of the draft bill on Climate Change and Energy Transition, Royal Decree 56/2016, that the Government of Spain is developing so as to be able to comply with its European commitments in energy, climate change, and the decarbonisation of the economy in favour of reducing emissions, im-

proving energy efficiency, and the participation of renewable energies. The decree contemplates that major companies must perform energy audits to cover 85% of the total energy consumption of all their facilities situated in the national territory or implement an Energy Management System. FCC Aqualia has been involved in this process since 2010 when it launched a plan to optimise energy efficiency, backed by Aenor with the Standard UNE-EN 16001 certificate in the contracts for end-to-end water management at the La Solana facility in Castile-La Mancha and the wastewater treatment plant (WWTP) in the Orotava Valley in the Canary Islands. These facilities were the first to obtain this certificate in both of these autonomous communities.

Since then and until 2015, FCC Aqualia has adapted its work procedures to comply with ISO 50001 standard,

securing this certificate for all of the Company's contracts in Spain. The Company has now decided to implement and certify an Energy Management System for all its activities in accordance with the guidelines set out in Royal Decree 56/2016. .

Last year, FCC Aqualia launched an energy audit pilot project for wastewater treatment, implementing measures in order to be able to improve the measurement of the carbon footprint by acquiring processing, energy and maintenance equipment; calculating the energy performance of pumps; buying equipment that is more energy efficient; improving the hydraulic performance of the network; optimising power thanks to a centralised energy purchase management; and by developing innovation projects, among other measures.

FCC Medio Ambiente joins the 360 organisations that have calculated and registered their carbon footprint

For the third consecutive year, FCC Medio Ambiente has registered the calculation of the organisation's carbon footprint in the Spanish National Register of Carbon Footprint, Offsetting and Carbon Dioxide Absorption Projects of the Spanish Climate Change Office (OECC), forming part of the Ministry of Agriculture, Food and the Environment, in section a) on carbon footprint and commitments to reduce greenhouse gas emissions.

In 2011, the Environment Division of FCC started to calculate the organization's carbon footprint. Since then, this process has been subject to external verification based on the Greenhouse Gas (GHG) Protocol, the most widely used international tool for calculating and reporting the emissions inventory.

Having identified the emissions produced within the organisation's operational range, it is worth mentioning that emission sources typical of FCC Medio Ambiente (following the classification of diffuse emissions in the national emissions inventory) are those related to: the transport sector (use of vehicle fleet mainly powered by fos-

sil fuels) with 58% of the GHG emissions; waste sector (CH₄ emissions associated with landfill management) with 32.76% of the GHG emissions.



Environmental education

for sustainable water management

On the World Environmental Education Day, FCC Aqualia stressed the need to bring people closer to end-to-end water management so that they understand its day-to-day work and to ensure the rational and sustainable use of water.

FCC Aqualia participated in the celebration of the World Environmental Education Day on 26 January in order to create awareness, based on its role as a company specialising in water management, on the effects that humans have on the environment and on the need to implement educational measures to instil good habits and values from an early age. Besides the daily services provided by the Company's professionals to the communities where they work, the Company carries out numerous campaigns and initiatives to build awareness among the community on respecting the environment and on the importance of the responsible use of water.

A significant example of these initiatives is the International Children's Drawing Contest that FCC Aqualia organizes and which in 2017 reached its 15th edition. Since 2002, more than 300,000 children and 3,000 schools have become acquainted with the end-to-end water management cycle thanks to this contest which in 2016 was recog-

nised and classified as a finalist in the 12th edition of the International Children's Communication Festival known as "El Chupete". Other examples include the "Don't waste it" campaign, recently recognised by iAgua Magazine as the best campaign in 2016, and the publication of the comic book "Hidrokid".

FCC Aqualia's commitment to environmental education goes beyond that and each year it increases the presence of its professionals in courses and seminars organized by universities and sector associations. At the same time, the Company organizes throughout the year more than 150 open-door events at its facilities for different types of public: housewives, retirees, journalists, etc. and nearly 15,000 schoolchildren.

Professional training is also one of the strong points of FCC Aqualia's knowledge dissemination and awareness-building strategy. An example of this is the "technical conference on hydraulic devices of the supply and sanitation networks" in which the

Oviedo Water Service has been participating for the last four years and which analyses the latest technological innovations implemented in water management.

This wide-ranging action program underscores FCC Aqualia's wager on a sustainable water management model and its firm commitment to taking care of the environment and fighting climate change. This approach, part of FCC Aqualia's Corporate Social Responsibility policy, is aligned with the number 4 Sustainable Development Objective (SDO) on Quality Education.

The Company carries out educational and awareness-building campaigns in all the territories where it conducts its activities, in line with the number 4 Sustainable Development Objective and in keeping with its Corporate Social Responsibility policy.



FCC Aqualia celebrates World Water Day with activities throughout the world

Coinciding with World Water Day 2017, conducted under the theme “Why wastewater”, the United Nations invites people to consider the need to build awareness and improve the treatment and the reuse of wastewater (more than 80% of wastewater generated in the world flows back, untreated, to the ecosystem).

For this reason and to inform citizens on the work carried out by the FCC Aqualia professionals who work every day to achieve efficient management of wastewater treatment, the company organised open-door events at 42 of its WWTPs in several cities and towns throughout Spain: Grado (Asturias), Trubia (Asturias), Soto del Barco (Asturias), Cudillero (Asturias), Las Regueras (Asturias), La Bañeza (León), Valderas (León), Villadepalos (León), Cangas de Morrazo (Pontevedra), Moaña (Pontevedra), Bueu (Pontevedra), Nigrán (Pontevedra), Louro (La Coruña), Toledo, Talavera de la Reina (Toledo), El Burgo de Osma (Soria), Medina del Campo (Valladolid), Madrigal de las Altas Torres (Ávila), Guijuelo (Salamanca), Ávila, Aranda de Duero (Burgos), Hellín (Albacete), Alcázar de San Juan (Ciudad Real), Lleida, Mérida (Badajoz), Cañaveral (Cáceres), Guareña (Badajoz), Ronda (Málaga), Linares (Jaén), Barbate (Cádiz), Algeciras (Cádiz), La Línea (Cádiz), Jaén, Castuera (Badajoz), Campanario (Badajoz), Cabeza del Buey (Badajoz), Monterrubio (Badajoz), Quintana (Badajoz), Zalamea (Badajoz), Salobreña (Granada) and Orellana (Badajoz).



Photo of the group at the Santander WWTP with Gema Igual, the city's mayor.

The facilities opened their doors to different types of public, from schoolchildren to associations of women, communities, or the disabled. They were able to acquire a practical vision, thanks to these educational visits organized and led by FCC Aqualia employees, on the functioning of wastewater treatment systems and their environmental importance. Representatives of local public administrations, who applauded the educational value of this initiative, participated in some of these tours which included practical demonstrations on day-to-day operations at the WWTPs.

With these open-door events, FCC Aqualia has tried to create awareness among community members (particularly the youngest) on the importance of the proper use of water and the appropriate treatment of a very limited and important natural resource such as water.

Besides these actions at the wastewater treatment plants, FCC Aqualia organised other activities to build awareness on the responsible use of water and the social importance of this element in Jerez de la Frontera, Cádiz, Sant Antoni, Ibiza, and Salobreña, Granada.

FCC Aqualia extended this initiative to other countries where it conducts its activity. In Sicily, for example, where Catalqua, an FCC Aqualia subsidiary manages the end-to-end water management cycle in the province of Caltanissetta, schoolchildren toured the laboratories where water quality is analysed.

In Ostrava, Czech Republic, where SmVak, a company in which FCC Aqualia has a majority stake, manages the end-to-end water cycle, tours were organised at the Frýdek-Místek, Opava, Nový Jičín and Karviná waste water treatment facilities.



Tour by a group of schoolchildren at the Cañaveral WWTP in Cáceres.



FCC Aqualia Ávila”, Zona I team



Carlos Pumar, Emilia Soto, José Gabriel Lumbreras, Raúl Jiménez and José Luis Arribas obtained the best results, with a total sum of 1666.82 kilometres.

Successful participation of FCC in the

eHealth campaign

The eHealth Challenge campaign concluded with the successful participation of FCC employees

Over 450 people registered in the inter-company Olympics with FCC topping all the company and individual rankings. More than ten company employees obtained the best results.

FCC Aqualia’s “Water People Ávila” team was the winner in the running category among all the companies that participated in the health challenge. Carlos Pumar, Emilia Soto, José Gabriel Lumbreras, Raúl Jiménez and José Luis Arribas were in the top positioning, adding up, among the five of them, 1666.82 kilometres in slightly more than 179 hours. Thanks to this outstanding result, they were number one in the classification among 1,247 teams from 37 companies and all the business units of FCC.

Within the in-house FCC ranking in the team category, FCC Aqualia was the winner in all walking (“The walking Aqualia Paparajote”, Zone II team) and bicycling events (“FCC Aqualia Ávila”, Zone I team).

We appreciate the work of each of the participants thanks to which FCC achieved an outstanding record throughout the entire Olympics event.

The challenge began on 23 January and ended on 18 February. The four weeks of competition made it possible to measure the energy generated by each company through the sports of their employees. One third of the proceeds from this initiative will be earmarked for the health promotion projects of the Red Cross in Spain.



FCC Medio Ambiente in Benidorm (Alicante) launches a Healthy Company program

FCC Medio Ambiente's Levante II branch office launched a Healthy Company program in the city of Benidorm to promote welfare at the workplace and improve the health of those who work there.

The Healthy Company Management model was certified by AENOR and, thanks to the implementation, several programs are being rolled out to promote physical activities and sports, healthy food and habits, and road safety all of which redounds in the health of employees and their family and social circle.

Launched about six months ago, the high turnout augurs more monthly activities of this kind, which are not only healthy, but also have a social scope and improve the relations among workers and participants.

An example is a recent trekking activity for employees and family members. The initiative was a great success and more than 120 workers and family members participated. Their opinion was very positive in relation to these types of activities that promote the health of workers from the standpoint of physical, mental and social wellbeing.

José Ramón González de Zárate Unamuno, councillor of the Urban Scene, Street Cleaning, Public Thoroughfares, the Environment, Festivals and Events, Design, Mobility, and Traffic and Transport of Benidorm participated in the event.

Another activity worth mentioning is the sports tournament that counted with the participation of four soccer clubs who played matches with very



close results. The Benidorm service appreciates the great participation and the good atmosphere throughout the event.

The Healthy Company program reflects FCC Medio Ambiente's commitment to people and the community and to ensure its success, it is necessary for everyone, both the Company and its employees, to become involved.



FCC develops a fleet of 100% electric vehicles for providing municipal services

Research, innovation and new technologies contribute to making cities more sustainable and efficient and improves the quality of life of residents.



The FCC Group has numerous material resources and facilities that enable it to develop in an optimal way projects classified as R+D+i that represent the basic pillars of the Company's policies. At present, FCC has modern facilities for the design, development, validation and subsequent production of highly innovative new products and services throughout all of the Group's business units.

FCC Group's important efforts give way to progress that benefits all society. Each of the Group's business areas focuses all of its R+D+i efforts based on the requirements of its processes and the expectations of its stakeholders.

As part of the Group's structure and based on the above-mentioned premises, the Environment Division, through its Machinery Department, has been investing, since its inception, in projects aimed to make cities more comfortable and sustainable. To this end,

it uses the most innovative technology at its disposal, with eco-efficient equipment that have enabled the Company to constantly achieve the maximum reduction possible of pollutant emissions, greenhouse gas emissions, noise pollution, and greater energy efficiency.

At the Environment Division, FCC has been conducting R+D+I activities for over 30 years. It has a large fleet with electric traction technology in major cities. For more than 20 years, FCC has been developing, experimenting, and commissioning different types of equipment to eliminate contaminant gas emissions and noise completely when the vehicle is being used in providing urban services (Zero Emission Vehicle [ZEV]), applying hybrid vehicle technologies with battery or capacitor tank technologies in urban environments powered solely by electricity and even technology for purely electric heavy vehicles.

Barcelona, pioneer in electric vehicles

As an example of the above, after the Barcelona City Council awarded the contract for the inspection and cleaning of the city's sewage system, FCC implemented a fleet of 100% electric vehicles to provide this service. Starting in 2015, the Company launched an ambitious research project for creating 13 medium-sized and large vehicles, totally innovative, as part of the plan to use 100% electric vehicles (light, medium and heavy-duty) to provide its services, being the first private contractor to take this initiative.

During 2016, FCC has been introducing all equipment and machinery in the service contract and currently uses a fleet of 56 totally electric vehicles to provide daily services.

Focusing on the so-called "medium weigh and hea-

vy-duty equipment", these did not exist in the market (as commercial equipment) and FCC was the first to develop these to provide its services.

The fleet consists of:

- 4 vacuum water-propulsion trucks with a capacity of 9 m3 and water recirculation,
- 1 12 m3 capacity vacuum truck.
- 3 vacuum and water propulsion trucks with a capacity of 6 m3.
- 1 vacuum and water propulsion truck with a capacity of 3 m3.
- 3 vehicles with cranes.
- 1 tipper body, open box vehicle with crane.

All of these equipment charge their batteries by means of external high-power chargers (up to 120 Kw), a procedure that takes less than two hours.

FCC's objectives with this fleet can be summed up as follows: zero emissions with the same features and performance as the previous heat engine vehicles; the lowest technically possible noise pollution when starting the engine or putting on the brakes and noise from the bodyworks; significant 70-80% savings in energy versus the previous vehicles running on combustion engines; operating cost-savings thanks to the lower cost of electricity versus the high cost of energy based on high-consumption fossil fuels; longer useful lives of vehicles and equal or superior functionality in comparison with the previous thermal engine vehicles in any of the urban applications; and, greater acceleration speed, better braking capabilities, automatic drive with electronic control.

An innovation oasis at FCC Aqualia

International Day of Women and Girls in Science, an initiative to enable women to achieve full and equal access to and participation in science and, particularly, a vocation for research among girls-was celebrated on 11 February.

In the water management industry, usually dominated by technicians, FCC Aqualia's Innovation and Technology Department is a special case where 40% of the research team comprises of women.

According to experts, one of the first barriers that makes it difficult for women to have a career in science is the choice made by girls in what they want to study. The difference in the interest in careers in the fields of technology and mathematics is already evident in secondary school students. In OECD countries, only one out of five 15-year old girls want to study technical careers (the lowest figure is in Spain, only 7%) while the percentage who choose a career in the health field is 15-17%.

The same is true in the water management industry, a field that is usually dominated by male engineers at all hierarchical levels. According to the figure published in FCC Aqualia's Corporate Social Responsibility Report 2015, the last one published to date, of the 7,764 people who make up the

Company's workforce, 21.72% are women.

By professional categories, FCC Aqualia has 46 female managers versus 238 men. The balance continues to tip towards male technicians and operators and it is only in the administrative area where the ratio of women to men is 543 vs. 270

The percentage of women in the Innovation and Technology Department is 40%.

Nevertheless, in this respect, there is an oasis in FCC Aqualia. The percentage of women in the Innovation and Technology Department (R+D) is 40%, nearly double the average of the entire organization. This significant presence is also evident in the central staff of the department, such as the management of 36 projects which the department has carried out since its inception. Lola Storch, head of economic control, systems management and the knowledge portal is a good example. According to Lola, a forest engineer, "In general terms, the current

situation of women in technical areas is clearly disadvantageous. Even though our training and experience is evident in our performance, we are still at a disadvantage and our salaries are lower".

Her tone changes when asked to describe the day-to-day at the R+D Department. "I think it is a clear example of how a highly qualified technical team, committed, and with spectacular results, has a very high percentage of women. The participative management style at the Innovation and Technology Department strongly encourages the participation and development of the women who work here". Eva Martínez, one of Lola's colleagues in the department and head of the Smart Management Department, agrees with this idea and adds, "The innovation department is a clear example of the promotion and development of female talent and, in my opinion, serves as a reference for the rest of the organization".

Emérita Jiménez leads the LIFE Memory and BioWamet projects, two





of the eighteen projects that Aqualia currently has in its portfolio. This scientist believes that “education is essential in order to normalise the situation of women in the labour force, and for not having to take measures to incorporate women in the job market. I believe that education is the basis for everything since from an early age, distinctions are made between men and women in the work environment and this carries over to the future. We are being programmed from childhood to believe that we are not able to develop technical careers and that this is something just for men”.

Those who demand a role of women in the scientific and technical field also highlight the lack of social references as an additional difficulty. Perhaps, except for Marie Skłodowska-Curie, textbooks and the media hardly ever mention female scientists and experts. On the few occasions when women scientists are mentioned they are often described as strange individuals who are totally dedicated to their work and hardly have any personal lives, or stressing that physical aspect and intelligence cannot go hand-in-hand.

Young women probably do not identify with these pioneers. As Eva explains, “more current and modern references are needed to set an example at the professional level and who are able to tackle the challenges of modern life”.

Solutions?

Asked about the measures that could solve or, at least, mitigate this deficiency in the job market, Lola and Emérita both have clear ideas about this. Both believe that education is the key. Lola believes that “it is very important to have references. It is essential to instil in girls, from a very early age, the message that they can accomplish whatever they want in any of the fields of knowledge that is of interest to them”. Emérita’s opinion is similar in respect of education: “I believe that change from the bottom up is essential to be able to normalise the situation of women in the scientific and technical fields”. Education and the empowerment of women are fundamental. This enables them to aspire to managerial jobs and makes it possible to implement management models that involve greater participation based on trust

and motivation and backed by the new technologies.

There is room for improvement not just in the classrooms but also in companies. In this respect, Lola stresses that companies must consider aspects such as being physically present at work. “Simple details such as prohibiting meetings after 5:00 pm would be sufficient to strike a work and family life balance”, she said.

Another aspect that benefit women in their career development are new technologies, the implementation of which facilitates telework, flexibility and the reconciliation of work and family life” according to representatives of FCC Aqualia’s Innovation Department, aspects very much appreciated by workers.



Street cleaning in Donostia – San Sebastián, a service adapted to a Smart city

Vehicles featuring the latest technology for exhaust pipe emissions that even surpass Euro VI emission standards

The Donostia – San Sebastián City Council has reinforced the street cleaning services in the city, representing a step forward in terms of efficiency, service mechanisation, and the improvement of employees work conditions.

FCC, in a joint venture with the local company Serbitzu Elkarte, is the company responsible for performing the city's street cleaning services over the next two years that could be extended for another two one-year terms.

By taking advantage of waste, energy, sustainable urban mobility, integrating technologies, smart and open government and smart living, the city has taken a definitive step towards its transformation into a Smart City because of the implementation of

the Smart Donostia – San Sebastián 2016-2020 Plan.

A municipal commitment to enable the city of Donostia – San Sebastián to once again be among the cleanest cities in the country, a fact recognised by Ategrus which awarded it last year its sixth Platinum Broom, a prize aimed at highlighting the street cleanliness of cities in Spain. The award recognises the efforts of the city in this field and, particularly, the large fleet of electric vehicles used for cleaning the streets of the city that has resulted in a significant reduction of CO₂ emissions.

The FCC-Serbitzu joint venture is aware of the important challenges that the city faces and of the opportunity of becoming a European benchmark

of a smart city. Accordingly, the current street cleaning service of San Sebastián has been custom-designed to satisfy the demands from a Smart standpoint, integrating information and communication technologies in all the service levels.

It is a novel concept of an interactive and smart service for providing services to a population of more than 186,000 people and to the 500,000 tourists who visit the city each year. It focuses on improving the environmental quality and sustainability of the service using its proprietary monitoring and control system that records and documents all incidences.

This system features a totally transparent corporate platform for municipal

technical services facilitating the work of the 248 operators, 7% more than in the previous contract, by making them environmental agents equipped with a tool that enables them to record incidences in real time so that all personnel is involved in resolving and are immediately aware of such incidences. The application is also able to measure the environmental performance of the street cleaning service, making it possible to implement improvement measures in order to enhance efficiency and reduce the environmental aspects that, jointly with the incorporation of the electric vehicles and tools, improve the quality of the urban surroundings.

Among the most noteworthy aspects of this new service is the customised cleaning of the city's midtown district, neighbourhoods and suburbs, the sharp reduction in down time and the 33% increase of cleaning services on weekends and holiday. Also important is the distribution of multidisciplinary teams that execute different tasks according to the requirements in each of the city's seven sectors.

The Company has provided the city with a fleet of 12 vehicles, 12 electric tricycles for providing services in 24 sweeping sectors. It has also installed

70 containers distributed strategically throughout the city for depositing waste collected in sweeping operations and another 12 Amplirrol-type boxes with a 6-m3 capacity.

It also acquired 17 Porter hydro cleaners and another 10 without hydro cleaners for districts where the transport of waste takes precedence over the use of water since these areas are covered by other types of street cleaning equipment.

The high level of mechanisation of sweeping equipment is complemented with seven Hako 1600 sweepers, four Mathei Azura Euro VI 2 m3 sweepers with a third arm and strong vacuuming capabilities, a 100% Teat electric

sweeper for the historic district, and four 5-m3 Ravo street sweepers. Of the latter, two are Dual, a novelty in the city, combining the strong vacuuming power of conventional sweepers with a built-in water deposit, hose, and pole that enable the equipment to vacuum waste as well the washing of sidewalks by an operator using the hose.

For the residential suburbs, with longer routes and smaller populations, street sweepers were provided with lightweight vehicles, Porter type with an open box featuring a hydro-cleaner, which includes a trunk for small tools.



FCC's R+D Department designed the manual sweeping equipment that does away with the standard sweeper cars, replacing it with two options:

- For short routes in the city where there are no steep slopes and for downtown and pedestrian areas with narrow sidewalks, the operator uses

an electric sweeping car. The car has a normal appearance, with wheels and bag-carrying cars featuring a small electric battery so that the sweeper only needs to push a button to turn on the traction of the car, a mechanical device that complements the strength of the operator. When the route includes a slope or the

vehicle transports too much weight, it can go as fast as if the vehicle was empty.

- For longer routes in pedestrian walks, the operator will use an electric tricycle with a trailer operated with pedals but also featuring a battery and electric traction.



Mersey Gateway,

a real community
infrastructure project



Progress report

The project, which began in the spring of 2014, is 68% complete. This year, it celebrated an important milestone: Trinity, one of the two movable scaffolding systems (MSS) used in the Gateway Mersey project completed work in early January in the north approach viaduct.

Looking forward to the completion of the project, Manuel Dochao, construction manager of Merseylink CJV said, "The main objective is to maintain the equipment focused on com-

and facing the adverse weather conditions of the Mersey Valley".

Manuel Dochao emphasise the importance of working in close collaboration with the client (the MerseyLink concession company, whose client is Halton City Council) in order to achieve success. "Our relationship with the client is constant and smooth. We really appreciate its participation in day-to-day project-related issues. We hope that this collaboration continues until the end of the project".

director of Merseylink Limited said. He explained that the need for a "real community commitment" was emphasised at the start of the contracting process.

In this respect, Merseylink CJV obtained the highest score and, with the breadth and depth of the current community initiatives, it is easy to understand why this is so. The consortium has a department dedicated to building relations with the public, the basis for all activity.



pleting the project on time and maintaining the highest levels of safety and quality".

Dochao added that the immediate priority of the consortium is to comply with the timetable for the construction of the super-structures of the south approach viaduct and the cable-stayed bridge. Attention will then focus on treating the contaminated grounds, the work involved in finishing the bridge deck, the installation and rollout of the toll systems, the JTMS and TCIS systems, and finally, the delivery documentation.

Achieving this will not be an easy task. The project is of such magnitude that it was necessary to divide it into nine geographical areas. According to Dochao, "perhaps the greatest challenge was the coordination of an international team. More than one thousand workers working at the same time in several places in a challenging site

The community's collaboration

Even though the joint construction venture has made it possible to contribute an enormous amount of international experience to the project, in fact, everything has been executed at the local level. FCC's approach in all of its projects is to ensure that the quality of life of the local population is improved. The Mersey Gateway project is no exception.

This has been the approach of everyone involved in the project. Rob Polhill mentioned that, from the start, the City Council "understood the importance of connecting Halton and that a key factor for the project was the effort to improve connections between the communities, both physically and as part of a lasting legacy in the municipality".

"This is a collaborative effort in all fronts", Hugh O'Connor, managing

Jill Doyle, Merseylink CJV's communications manager explained, "We are very proud of our commitment to local communities. We opened communication centres in Halton and have been very active in social networks. We want to show our activities to the public and are open to any opinion that they may have in order to improve or to minimise the impact of construction activities in the community".

Volunteers

This feeling is reflected in the entire consortium. There is, however, a unanimous response to this great success: volunteers. As Hugh O'Connor stated, "without them, it would be impossible". During the day they are at schools or managing the visitors' centres and, in the evening they go out again to make presentations".

Jill Doyle describes the 48 volunteers as "a lifeline for us". Last June, Hugh

O'Connor and David Parr, Chief Executive of the Mersey Gateway Crossings Board, gave certificates to all of those who had contributed 100 or more hours to voluntary service. In just 12 months, five people accumulated a total of 2,500 hours of volunteer work.

Thanks to these volunteers, the consortium has been able to generate real enthusiasm for the project at local schools, achieving 100% participation in the entire area in his presentations. In November 2016, it launched an initiative to teach civil engineering to children by using Lego blocks to explore the different ways of building bridges.

The lessons earned a positive response from students who said, "It has been the best class in my life and now I know what I have to do to be a civil engineer" and "when I grow up, I'm going to design a new bridge".

Community skills

Young engineers are also benefiting from the project by taking the first steps in their careers. To date, 28 apprentices have contributed 51,000 hours of work in work related to administration, accounting, IT, project budget, CAD design, general construction, steel fixing, formwork, scaffolding, traffic management, horticulture and other jobs.

Hugh O'Connor believes that this will give a great boost to engineering in the region and will help people "continue and have a successful career in the future".

Merseylink CJV also aims to apply its knowledge to the community. The Time Bank initiative was created to provide support and practical assistance that benefit the Halton communities directly. They system functions by assigning selected candidates to a Merseylink candidate who offers his time to provide the necessary corporate, financial, commercial or technical experience.

Thanks to this help in the initial phases, it will be possible to launch projects in the local community. The contribution of 250 days of work by Merseylink contractors and subcontractors helped to save nearly 111,000 sterling pounds in projects, including the community centres, primary schools and even the rowing club.

Environmental commitment

Manuel Dochao describes the environment as "one of the greatest challenges". The project team, however, is more than determined to make a difference in this respect. The Mersey Gateway Environmental Trust was created for this purpose. It is a charitable trust set up to promote the protection and improvement of the environment of the Upper Mersey Estuary. An example of a current initiative is the field of sustainable wildflowers created in the Clifton roundabout in Runcorn that is part of the landscape work foreseen for the long-term in the bridge project.

Building a legacy

As the main project is almost about to be completed, the consortium team is starting to become aware of what has been achieved in this region. Hugh O'Connor, the managing director of Merseylink Limited expressed it this way "I would like to think that this will become an important legacy in the region. We have undoubtedly contributed to generating interest in construction and engineering and have been able to create real excitement in schools".

Nevertheless, community participation and investment will not end this year. The revamping of the Silver Jubilee Bridge is still

pending. Its traffic will be reduced thanks to the new bridge. O'Connor expects that it will take at least three more years of work and that community participation will continue.

According to Rob Polhill, the mayor of Halton, "the City Council has successfully financed and ensured free circulation for its residents and has created a specific regeneration plan to guarantee that our communities benefit from the legacy of the project. The community is the foundation of Halton and the new and improved road network and its legacy will benefit the future generations of the city's residents".

For Manuel Dochao, the construction manager of Merseylink CJV, the advantages are also very clear, "the project is much more than a bridge: the regional economic strategy identifies the Mersey Gateway as a transformation project, a catalyst that will connect communities and spearhead the regeneration and investment throughout Halton and the Northeast. The iconic design of the bridge will firmly place the local area, Liverpool and the Northeast region on the map and will capture the attention of the entire world".



FCC holds its first Corporate Marketing, Brand and Communication meeting

FCC held its first International Meeting on Corporate Marketing, Brand and Communication at its Las Tablas headquarters, organised by the FCC Group Marketing and Brand Corporate Department, with the participation of the directors and managers of Marketing and Communication of the various business units.

Carlos M. Jarque, CEO of the FCC Group, chaired the meeting, under the slogan “We are FCC”. The objective was to share the new strategy, functions, and plan of action of the Marketing and Brand Corporate Department with the entire FCC Group and its business units with a 2020 vision as well as to bolster and promote the commitment to build a shared Group culture.

During his speech, Jarque spoke about the recent past of the FCC Group and of the Company’s most important achievements. He also seized the opportunity to analyse the ten strategic lines defined for the Group’s growth, five based on financial leverage and the other five on operational leverage, and also continued to analyse the lines of actions of the different business units.

The Chief Executive Officer told everyone who was present that we are all FCC: “the FCC Group is the sum of FCC Medio Ambiente, FCC Aqualia, and FCC Construcción y Cementos”, and added that “we must work keeping in mind the philosophy that we are one company and one brand offering various services and must join our efforts and work towards realising synergies in marketing and communication”.

Jarque stressed that it was necessary for our Group’s communication to have a single message and unified channels, aligned with the same image that identifies us as a single Company. He also pointed out that “we need to reaffirm our pride in being part of FCC and to this end, coordination was essential. It is necessary to add to the FCC brand and each business area has an obligation in this respect”, insisting on the need for teamwork and for continuing to advance in a culture of synergies.





The CEO mentioned the importance of the following for the Group:

- The need for a unified and efficiently executed Marketing and Communication strategy.
- Transversal institutional campaigns, the same for everyone.
- Giving advanced notice before issuing a press release to ensure that information is coherent and defining the appropriate timetable.
- Support digital transformation projects, with websites aligned to the image and protected under the safety umbrella of the FCC Group.
- Report any sponsorship proposal to the Corporate Marketing Department which will be subsequently approved by the CEO.
- Respect and take part in the established Marketing Committee to coordinate all of the Company's Marketing and Communication actions.
- Promote actions designed at the corporate level to ensure that these reach 100% of the Group's employees regardless of the country where they work.

Carlos M. Jarque said that with these actions "we will increase synergies and advance towards the image that our Group demands and requires. A brand that has great value, with a history of more than 100 years and a great future ahead".

The CEO ended his presentation thanking all who attended and participated in the meeting and for their commitment to the Company.

Pilar López, the manager of the FCC Group's Corporate Marketing and Brand department described management's strategy and the need to improve in-house and external marketing and communication processes and to establish synergies to enable the development of quality corporate and business services that optimised resources.

During her presentation, she mentioned the achievements of management and the defined strategic projects to be developed over the coming years to reinforce the FCC brand and reputation in all markets. She also referred to the need to recover the credibility and confidence of the Company's stakeholders, create a positive reputation, and to have employees aligned to the new business strategy.

The seminar continued with the presentation of the strategies, objectives and commitments of the Marketing and Communication Department in each of the business units of the FCC Group.

The contributions resulting from this meeting will be taken into account by the Corporate Marketing and Brand Department in order to fulfil the strategic line defined until the year 2020.

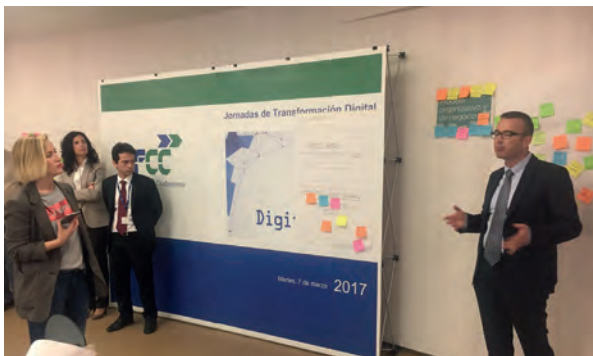
Brand experts also participated in the seminar with their vision on how this tangible increasingly contributes to generating business and also spoke of LinkedIn as a social network that improves the Company's external image.



FCC holds its first seminar on Digital Transformation, “Digitall”



FCC holds its first “Ditigall” seminar on Digital Transformation, organized by the Information Technologies Department in collaboration with the Corporate Marketing and FCC Brand Department. The aim of the event was to share the importance of a process that is part of the Company’s strategic plan based on 5 essential pillars: cost savings, time savings, improvement of resources, synergies, and the improvement of the image and digital reputation.



The seminar took off with a video featuring Carlos M. Jarque, CEO of FCC, who explained that “FCC must be a step ahead and must adapt to changes since technological innovation has come and is here to stay”. He also pointed out that “FCC has to advance along these lines in order to remain a leader and to improve its productivity. Collaboration capabilities and synergies are more important than ever. We must think as a united Group to be able to advance together”.

In his message, Jarque acknowledged that the seminar on technological transformation represents “yet another step on the road to change with the aim of creating awareness among those who are part of FCC on the need to promote the implementation of new technologies to improve the efficiency of our processes and to transmit this message to employees, shareholders, and citizens”.

After the welcome address, the conference entitled “Understanding the challenge of Digital Transformation” began where the main risks and opportunities for the company of this process were explained and several tools were provided to ensure the efficient development of this transformation.

The seminar concluded with a workshop where all attendees participated in different teams in a brainstorming session on the different ways to implement the Digital Transformation process.



The **intranets** of all FCC Group business areas were upgraded to the new Liferay environment

The new intranet of the FCC Group and that of the FCC Construcción and FCC Aqualia business areas are in place after the 10 months' of teamwork. With the aim of grouping together all of the FCC Group intranets, the new intranet is part of the Company's digital transformation project based on five criteria: cost and time savings, synergies, improvement of resources and of the internal image, since all of us are part of FCC.

The main novelties include a cover page with highlights, a simplified and single menu for all business units, and the new employee portal that covers all Human Resources information.

As a last step and before the switch-off of the former Oracle platform, the first phase of the digital transformation process was concluded and, as a result, the intranets of each of the business units are accessible to all users, enabling the comprehensive management of the contents of each of the digital spaces.



FCC Group changes its image in its social networks



FCC Group has a new image on its profiles for LinkedIn, Twitter, Facebook and YouTube. Today these social networks are the best platforms to communicate information so that employees, clients, shareholders and other stakeholders can keep up to date with FCC.

On LinkedIn, the world's largest professional social network with more than 300 million members and pre-

sent in more than 200 countries, FCC already has around 45,500 followers. On Twitter we have almost 16,000 followers and on Facebook we have some 1,300 followers. The Group's YouTube channel has also received more than 226,440 views.

We use these channels to keep all our followers informed of the news relating to items such as new tenders, main contracts, progress of

works and research projects, as well as to comment on innovations in the sectors related to FCC and to share experiences and knowledge with other professionals.

Links to all FCC Group's social networks, as well as those for business areas, are below:

- LinkedIn FCC Servicios Ciudadanos
- FCC (@FCC_Group) | Twitter
- Aqualia (@FCCAqualia) | Twitter
- Facebook Grupo FCC
- Grupo FCC - YouTube
- FCC Medio Ambiente - FCC Environmental - YouTube
- FCC Aqualia - YouTube
- FCC Construcción - YouTube
- Vimeo FCC Construcción



FCC wins new contracts in Mesquite and Garland

FCC secured a 5-year contract for the treatment and marketing of recyclable waste in the city of Mesquite (Texas). The contract is worth approximately 1.5 million dollars.

Mesquite has a population of 145,000 inhabitants and is one of the ten largest cities in the Dallas-Fort Worth metroplex. Together with Dallas, Garland, Mesquite and University Park, FCC will provide services for the treatment of recyclables to 2,000,000 people in North Texas.

FCC also secured another contract for the transportation, treatment and commercialisation services of Garland's recyclable waste. The contract is worth around 6 million dollars (6.4 million euros) and is for a term of 5 years.

Garland, home to 230,000 residents, is one of the main cities in the metropolitan region of Dallas-Fort Worth. FCC will recycle around 10,000 tonnes of the recyclable waste produced each year by Garland residents in its recently opened Dallas plant.

Thanks to these two recent contracts, FCC will be treating a minimum of 75,000 tons of recyclable waste in 2017 at its recently inaugurated facility in Dallas. This is the seventh contract secured by FCC in the United States and the fifth one in the State of Texas.



FCC presents a new fleet of vehicles and machinery for waste collecting and street cleaning services in **Crevillent (Alicante)**

The Crevillent Council and FCC have presented a fleet of vehicles and machinery with significant technological and environmental improvements. They will form part of new services that include municipal waste collection, street cleansing and management of the Ecoparque, which began on 1 February. The annual revenue from these new services will be over €1,932,000 (VAT included).

FCC will undertake the municipal cleaning services in Crevillent for the next 10 years, which could be extended each year up to a maximum of 5 years, and will serve over 28,000 people in the municipality.

The contract was awarded to FCC as its bid was considered to be the best of the five submitted in the tender process. To ensure that the services of the recently awarded contract operate effectively, FCC has a team of 34 operatives plus the required personnel to maintain the equipment and supervise the work under the contract.

FCC has invested €1,800,000 in the new fleet of vehicles. The fleet includes six Euro 6 diesel vehicles with lower emissions; three 100% electric Piaggios; three compressed natural gas (CNG) vehicles for waste collection and general services; a Toyota petrol-electric hybrid vehicle, which is at the council's disposal; three street sweeper-washers; two electric blowers; four outdoor advertising stands with containers to collect used batteries, CDs and mobile phones; two vehicles with high pressure water blasters, which can also use silica dust; and an eco-car to support citizens on correctly managing their less common waste. The vehicles and machinery will considerably reduce odours, pollutant emissions, noise levels and water consumption. Furthermore, 751 containers and 187 litterbins will be made available to the city.

Other new developments include the setting up of dog zones and a canine DNA register to stop faeces from being left on public paths. Measures against uncontrolled tipping will also be implemented, waste collection services will be delivered also on Sundays and public holidays and the wash-down services will be extended to all Crevillent's streets.



New transport contract for FCC Environment



FCC Environment, the leader in the United Kingdom in waste and resource management, obtained a new contract for the transport of waste with a term of five years for Re3. Transport will be performed using a 44 tonne towing vehicle and semi-trailer.

Re3 is the partnership between Bracknell Forest, Reading and Wokingham Borough Councils and FCC Environment. The objective of the partnership is to increase the amount of waste that is reused, recycled and composted in the three Councils and to minimise the amount of waste sent to landfills.

The Councils and FCC Environment are working together to provide local residents and businesses with first-class facilities for recycling and disposing of waste until 2031. As part of the contract, the Company will collect recyclable materials at the re3 Longshot Lane facility and deliver it for processing at the re3 Smallmead Materials Recycling Facility (MRF). Residual waste is transported from the Re3 MRF, its two transfer stations and Household Waste Recycling Centres (HWRC) to the Lakeside Energy from Waste (EfW) facility and FCC Environment's Sutton Courtenay complex for further treatment.

FCC commissions the Materials Recycling Facility in Dallas (Texas)

FCC officially inaugurated the recycling facility in Dallas (Texas). Present at the ceremony were Mike Rawlings, the mayor of Dallas, as well as many other municipal authorities from the City Council and representatives of other municipalities. Representing FCC at the inauguration event were Aurelio Blasco, general manager of FCC Ámbito and Iñigo Sanz, regional manager for the America Branch. The inauguration gave way to a tour of the recycling

facilities to explain its functioning in detail.

The state-of-the-art plant, which has been built and financed by FCC Environmental Services, the US subsidiary of FCC, the global environmental services, infrastructure and water management group, will be also operated by the company for a period of 15 years, with a possible extension for a further 10 years.



From left to right: Tony Emilio, manager of FCC Environmental Services municipal service; Aurelio Blasco, Chairman of FCC Environmental Services, and Iñigo Sanz, CEO of FCC Environmental Services; Mike Rawlings, mayor of Dallas; and, Erik Wilson, deputy-mayor of Dallas.


Awards for the Kamenné Srdce remediation project in Bratislava (Slovakia)

- 1st place in PROKOP 2016 (category Community relations)
- 1st place in EMEA SABRE AWARDS 2016 (Central and Eastern Europe)-GLOBAL SABRE AWARDS 2016 – with our project amongst the 40 best PR projects in the world- 'National Champion' at the European Business Awards 2016.

Because of the proximity of this toxic burden to local residents, it was necessary to communicate closely with the public from the very beginning of the remediation procedure.

FCC provided several effective communication channels, including:

- The www.kamennesrdce.sk website providing information on the project.
- Leaflets for citizens living around the area of remediation.
- Press conferences
- Face-to-face communication with local citizens to provide detailed descriptions of the project.

Another video on the remediation project is available here. 

FCC Environmental CEE in Slovakia won several international awards for its communication strategy implemented during the development of this remediation project of toxic waste substances that was deposited in the Bratislava area over 50 years ago. The awards were:



SmVaK

publishes a brochure to commemorate its 25th anniversary as a water management company

The Czech Company, in which Aqualia holds a controlling stake, prepared an album with images of its most representative facilities coinciding with the 25th anniversary of its founding as a consortium in charge of managing the water networks and facilities in the Moravia-Silesia region.

The publication, of which 2000 copies were printed, explains, using very detailed images, the value of the management of the end-to-end water cycle for the welfare of this territory.

SmVaK published the brochure to celebrate the 25th anniversary of its founding as a limited company. The Company started operations in 1992, with municipal shareholders as the State entity in charge of managing the water service in Ostrava Region. In 2009, Aqualia became its majority shareholder.

The publication, presented by Anatol Pšenicka, the Company's managing Director, consists of 63 pages in colour with photographs of the Company's different facili-

ties, classified according to the different phases of the end-to-end water management cycle. The images also include photos of the Moravia-Silesia region and photos of the archives depicting the work of the Company throughout its history and the daily efforts of its more than 900 employees.

To view the album, go to the following link:

<http://www.smvak.cz/WaterFlowsFlash/>

SmVaK manages the end-to-end water cycle in the important territory of East Chequia, at Jastrzebie-Zdroj located at the border with Poland. The Company supplies drinking water to a population of 730,000 people through 130,000 supply points and a distribution network of stretching over more than 5,000 kilometres. It also provides sanitation services to more than 500,000 people and operates 65 wastewater treatment plants, 39 potable water facilities and 379 deposits with a total treatment capacity of 279,682 m³ /day.



New contracts in Catalonia, Levante and Aragón

Following the selection of FCC Aqualia as a partner in the public-private company of El Vendrell (Tarragona), Zone II has been awarded, so far this year, contracts worth 1.5 million euros in Catalonia.

The Company will install a new water purification system in La Nucía (Alicante) and will be revamping the Tortosa wastewater treatment plant after extending the management contract for another year.

In recent weeks, the Northeast Zone II business unit was awarded three new contracts. One of them is for managing the maintenance service at Binéfar (Huesca) where the Company has been in charge of managing analytical controls. In the province of Tarragona, Aqualia is enlarging the Tortosa WWTP after extending the contract for another year. The Company is also in charge of managing the sanitation system in the Baix Ebre region consisting of 10 wastewater treatment plants.

FCC Aqualia was also chosen as the technological partner of the Osona Regional Council to commission the purification plant in order to solve the problem of water quality in six localities in the region. FCC Aqualia has been operating in this region since 2013 when it became the manager of the municipal water service of Roda de Ter. These contracts represent more than 1.5 million euros in revenues.

In addition, La Nucía's City Council in Alicante entrusted FCC Aqualia with the task of resolving the problem of water turbidity in the town by commissioning a water purification facility with a budget of 1.3 million euros.



Generating opportunities in Saudi Arabia

FCC Aqualia participated in the Saudi Water & Environment Forum (SWEF2017), a reference event in the water management sector that was held recently in Riyadh, the capital of Saudi Arabia.

The Saudi Water & Environment Forum 2017 (SWEF), organized by the Saudi Ministry of the Environment, Water and Agriculture, concluded with a very good outlook for FCC Aqualia thanks to the participation of the Company's experts in the talks, symposium, and seminars that were scheduled over the three days of the forum, and the large number of representatives who visited the stand, showing their interest in the Company's capabilities and expertise in developing projects in this country.

The official program of conferences was very broad and specialised. Worth mentioning is the speech by José Enrique Bofill, the Regional Director of MENA in Asia from FCC Aqualia at the panel discussion entitled "Change Management in the Kingdom's Water Sector", who gave a speech on "Private Operator Participation in the Water Services of the Kingdom". Bofill highlighted the Company's capabilities in client management, efficient operation of municipal assets, and spoke on the vocation that has characterised FCC Aqualia in its more than 20 years' history. To underscore this, he described the Company's management of the services in Almería, Alcalá de Henares (Madrid) and Caltanissetta (Italy).

Javier Díaz, Country Manager in Saudi Arabia also participated in the discussion "Increasing Efficiency & Improving Operational Performance in the Kingdom's Water & Environment", emphasising Aqualia's work in designing the network of measurement and control points, installing instrumentation in the field, and analysing information received in real time in order to ensure the efficient operation of Riyadh's water supply network.

The event enabled companies such as FCC Aqualia to demonstrate their experience, the most innovative technology and services for the development of the water management sector in Saudi Arabia where the Company was the pioneer in 2011 in securing a major contract in the Middle East. After being awarded the contract in Riyadh, in 2015 the Company secured a contract for the operation and maintenance of the two major water treatment plants in Mecca, with a capacity of 250,000 m³/day and the related water and sanitation services for lines 4, 5 and 6 of the metro system in the Saudi capital.



The Grupo Carso consortium, which includes FCC, signs contract to construct new terminal at Mexico City Airport

The Grupo Carso led consortium, which includes FCC, Acciona and the local Mexican construction companies ICA, GIA, Prodemex, Grupo Hermes Infraestructura, executed the contract that was awarded last 6 January, with the Mexico City Airport Group, the Secretariat of Communications and Transport of the Mexican Government, for the construction of the Terminal Building of the new International Airport in Mexico City.

The contract is worth 84.8 billion Mexican pesos (excluding VAT, and equivalent to 4.2 billion dollars / 3.925 billion euros) and will have a 44-month completion deadline.

The signatory consortium was awarded the contract after submitting the best economic and technical bid for the project. The new airport, which will be built on land located in the Federal Zone of Lake Texcoco, will be the

second most important airport under construction in the world. The main contract to build the new airfield will be one of the largest infrastructure works currently underway in Latin America.



Carlos M. Jarque visits the Wanda Metropolitan Stadium worksite

The CEO of the FCC Group, Carlos M. Jarque, accompanied by the project managers, toured the worksite of the new Atlético de Madrid soccer team's stadium that has been baptised with the name Wanda Metropolitano. Jarque's visit focused on watching the progress achieved in the work of the future stadium, built by FCC and designed by the architects Antonio Cruz y Antonio Ortiz. It will take up a total surface area of 145,721 m² and will have a 67,000 seating capacity, distributed into stands, boxes and a VIP area. It will also offer more than 4,000 parking spaces to fans.

The CEO highlighted that "in executing these types of projects, FCC shows its technical and human capabilities

to overcome great challenges. Efficiency, innovation, and the use of modern technologies guarantee the success of the project, bolstering the Company's leadership in the construction of sports facilities. He also highlighted the importance of strictly complying with the terms contemplated in the contract.

In January and February, work was conducted on lifting the roof that will shelter the stands and contribute to protecting 96% of the seats from rain.

After the preliminary work before raising the interior compression ring, work will begin on the definitive elevation. Once completed, a membrane will be placed comprising of a steel structure weighing about 6,336 tones, tensioned with radial cables bound by a membrane that occupies a surface area of 83,053 square metres.

The modern roof is a unique element that sets the stadium apart from other European sports facilities built in recent years.





FCC Industrial receives national prize at European Business Awards

FCC Industrial received the national prize at the European Business Awards in the Environmental & Corporate Sustainability category in a ceremony organized by EBA and the international consulting firm RSM. Guillermo Martínez Ochoa, the Company's manager of engineering, collected the prize on behalf of FCC Industrial.

The ceremony took place in the official residence of the Ambassador of the United Kingdom, where many national and international companies gathered, including Leroy Merlin, Santillana, ICO (Instituto Crédito Oficial) and Borges, to name but a few.

The Ambassador of the United Kingdom, Mr. Simon Manley, thanked all of the companies for their efforts in achieving this accolade, and encouraged them to continue establishing and consolidating business and trade relations with the United Kingdom.

FCC Industrial was chosen by an international panel of judges made up of renowned members of the business world and the European education community. They assessed the environmental best practices implemented by the company on the different works it undertakes, as well as the contribution to protecting the environment in the areas in which it operates.

The Minister of Public Works visits the worksite of the Almonte Viaduct, built by FCC

Íñigo de la Serna, the minister of Public Works, visited the worksite of the viaduct over the Almonte River, the Alcántara-Garrovillas section of the Madrid-Extremadura High Speed railway that FCC is executing for ADIF.

One of the most important engineering projects being currently executed, the viaduct, due to its characteristics and size, will be a reference in high-speed railway structures in the world.

The minister was accompanied by Guillermo Fernández Vara, president of the Junta de Extremadura (Extremadura regional Government); Cristina Herrera Santa-Cecilia, Government representative; Juan Bravo, chairman of ADIF; Santiago Cobo, deputy manager of Construction at ADIF AV; and by Pablo Jiménez, manager of the ADIF AV Area. On behalf of FCC Construcción, the representatives were José Antonio Madrazo Salas, Manager of the Spain South Zone area; Pedro Cavero de Pablo; manager of the Transport Delegation; and José Luis del Valle Sánchez-Prieto, manager of this project.

The ADIF team, led by Pablo Jiménez Guijarro, provided the minister of public works, Íñigo de la Serna, the technical details of the construction process for a viaduct of unique characteristics.

The viaduct over the Almonte River is located between the municipalities of Alcántara and Garrovillas in the province of Cáceres. It measures 996 metres long and has a 384-metre central concrete arch-type span, making it a world record breaker in terms of high-speed railway arch bridges.

If we were only to compare viaducts with concrete arch bridges, excluding those for railway use, it would be the third largest in the world, surpassed only by the Wanxian Bridge in China (420 m) and very close to the largest bridge connecting Sveti Marko and Krk Islands in Croatia (390 m). It entails a huge technical challenge that secures Spain's place at the forefront of international high-speed railways and engineering projects.



