We are FCC

Nº 22

FCC holds its

2022 General Shareholders Meeting



SUMMARY

Group FCC

Business

People

Diversity

Sustainability

Wellness

The Place

Communities

Innovation



The General Shareholders Meeting was chaired by Esther Alcocer Koplowitz, Chairowoman of the FCC Group, and Pablo Colio, CEO of the company.

FCC holds its 2022 General Shareholders Meeting

FCC held its General Shareholders' Meeting on the 14th of June in Madrid. All items on the agenda were approved, including the annual accounts for 2021.

Chaired by Esther Alcocer Koplowitz, chairwoman of the FCC Group, and Pablo Colio Abril, CEO of the company, both took advantage of this important event to thank the Board of Directors, the management team, and all FCC employees for their hard work during 2021, noting that their dedication contributed to FCC's sound earnings, and to the growth and development of the FCC Group.

A demanding and challenging year

In her speech to the shareholders, Esther Alcocer Koplowitz stressed: "2021 was a demanding year for FCC, and an extraordinary one in terms of results. A year in which we have once again demonstrated our great ability to turn every challenge into an opportunity".

In addition, the chairwoman of the FCC Group highlighted how "the FCC Group, currently present in 25 countries, closed the 2021 business year with profits of 580 million euros. A figure double that of the previous business year".

FCC in figures

At this annual meeting, the CEO presented a breakdown of the financial results to the shareholders and reported on the most important events. In his presentation, he pointed out that "one of the keys to our success is the strong shareholder backing of the FCC Group, whose benchmark is the Carso Group. The various operational, structural and financial measures implemented, driven by FCC's shareholder reinforcement since 2015, have made us undoubtedly resilient. This is demonstrated by the higher returns and profit achieved in 2021".

The FCC Group ended the 2021 business year with an attributable net profit of 580.1 million euros, more than double that recorded in the previous business year.

The Group improved its gross operating profit (EBITDA) by 7.6% to reach 1,126.6 million euros in 2021. It is also worth mentioning the good performance of the net operating result (EBIT), which has recorded a figure of 802.2 million euros, 40.1% more than the previous year. This increase reflects the positive development of EBITDA, as well as the accounting impact of the full consolidation of Realia and the adjustment made to the value of property, plant and equipment and the commercial fund in the Cement area.

The Group's consolidated revenues amounted to 6,659.3 million euros, 8.1% higher than in 2020, due to the positive performance of most of its business activities during the year, especially the Environment area, which increased by 12.4%.

As for the business portfolio, at the end of last year it stood at 30,196.9 million euros, with an increase of 2.7% compared to 2020. Of particular note in this section is the contribution of the Environment area, with an increase of 17%.

Equity rose considerably, with a figure of 4,440.7 million euros, 52.7%

higher than at the end of 2020, explained by the substantial increase achieved by the net profit and the effect of the full consolidation of Realia and Jezzine.

Net financial debt as of 31 December last year amounted to 3,225.7 million euros, which represents an increase of 427.9 million euros compared to 2020. This increase is a consequence of the full consolidation of Realia and Jezzine's debt in the Real Estate area with an additional amount of 889.7 million euros at the end of the year.

Message of confidence

Pablo Colio ended his speech with a message of confidence to shareholders, telling them that "the FCC Group and each of its businesses are focusing their strategy on strengthening their competitive position in key markets in which they are currently present; and on growing selectively in those new markets that are attractive and that are aligned with the company's corporate culture and risks". He also pointed out that "promoting sustainable development has been and will continue to be one of the Group's strategic vectors through the promotion of the construction and management of sustainable and resilient infrastructures; the promotion of the circular economy and the efficient use of water; and the Group's contribution to climate change adaptation and mitigation".

Annual Report 2021

Executive Summary 2021

video



Esther Alcocer Koplowitz
Chairman of the FCC Group

"2021 was a demanding year for FCC, and an extraordinary one in terms of results. A year in which we have once again demonstrated our great ability to turn every challenge into an opportunity".



Pablo Colio Abril
Managing Director of the FCC Group

"The FCC Group and each of its businesses are focusing their strategy on strengthening their competitive position in key markets in which they are currently present; and on growing selectively in those new markets that are attractive and that are aligned with the company's corporate culture and risks".



Annual Report 2021

FCC Servicios Medio Ambiente wins **first contract in California (USA)** for 1.4 billion euros





FCC Environmental Services, a subsidiary of FCC Servicios Medio Ambiente that provides comprehensive waste management and recycling services in the United States, has been awarded the contract to renovate and operate an environmental complex for the treatment of municipal solid waste (MSW) in Placer County, California. The contract represents a portfolio of up to 1.5 billion dollars (approximately 1.4 billion euros) for a 10-year term and two possible five-year extensions.

The investment in the facility will be $141 million (about 133 million euros) and will employ 215 people. With a total capacity of 650,000 tonnes per year, it will be one of the largest plants of its kind in the world.

410,000 inhabitants

Placer County has 410,000 inhabitants and is located just a few miles from Sacramento, the capital of the state of California, whose metropolitan area has 2.2 million inhabitants. The contract, which will begin on 1 July, is to refurbish, revamp and operate the county's existing 130-hectare MSW Management Authority complex to transform it into a high-level waste recovery and recycling centre.

The facility will include a state-of-the-art MSW sorting and recycling plant, a construction and demolition waste treatment plant, a composting plant for organic, food and pruning waste, a clean point and a depot for the disposal of rejects.

> "The contract represents a portfolio of some 1.4 billion euros"

With this contract, FCC Servicios Medio Ambiente is extending its already notable presence in the USA to the state of California, which has a GDP 2.5 times higher than Spain's, making it the world's fifth largest economy. With 40 million inhabitants, California is the most populous state in the country and the largest producer of MSW, as well as the most advanced in terms of environmental requirements and recycling regulations.

FCC Environmental Services serves nearly 9 million people in the United States and is already one of the largest MSW management companies in the country, with a presence in the three most populous US states, California, Texas and Florida, as well as the states of Nebraska and Iowa. In recent years, it has accumulated a portfolio of signed contracts for more than 4.5 billion dollars (around 4 billion euros).

> "It will be one of the largest plants of its kind in the world"

First acquisition in the United States



FCC Environmental Services has made its first acquisition in the North American market with the recent purchase of Premier Waste Services LLC, for a total enterprise value of 34 million dollars (about 31.2 million euros).

Premier has been providing commercial solid waste collection services in the Dallas-Fort Worth metropolitan area in the state of Texas for more than 20 years and handles more than 4,000 contracts, with a fleet of 59 trucks and more than 5,000 containers. The historical presence of this company in the main commercial market in Texas, together with the experience of its workforce, assets, commercial portfolio and synergies with FCC's current business in the Dallas area, will be a real catalyst for the growth of FCC's business in that area.

Íñigo Sanz, CEO of FCC Environmental Services, said that "Premier's company profile fits like a glove with our growth strategy in Dallas-Fort Worth, the fourth largest metropolitan area in the United States".

The company's CEO said: "The complementarities and synergies it presents to our existing commercial and recycling business are extremely important and very promising. "To date, our growth in the country has only been organic. With this transaction, we are entering a new phase in which the combination of organic development with selective acquisitions will further enhance our business and its future growth rate," he explained, noting the important role that this action plays in the company's current growth.

INTERVIEW



Íñigo Sanz Pérez

General Manager of FCC Environmental Services



What does the acquisition of Premier Waste Services LLC mean for FCC?

It is a very important milestone in our history in the USA. After several years of strong and sustained organic growth, we will combine the continuity of this growth in new tenders with the selective acquisition of strategic assets and companies that will allow us to increase our presence in the North American market even more rapidly.

How does the activity of Premier Waste Services LLC complement the business of FCC Environmental Services in the USA?

Premier is one of the leading commercial collection companies in the Dallas-Fort Worth market, which with 6.7 million people is one of the four most populous metropolitan areas in the U.S. The addition of its customer base to FCC's existing portfolio in that area, the addition of a large team of market specialists and the recycling of the nearly 20,000 tons of cardboard that Premier collects at our Dallas facility present a combination of synergies that will foster our vertical integration and future development in that market.

What message did you convey to the Premier Waste Services LLC team after their purchase?

Firstly, a sincere thank you to the team directly involved in the purchase transaction, which was completed in record time and in the middle of the Christmas holidays. Secondly, to the rest of the team, to highlight the strategic importance of the first acquisition of a company, the priority of integrating it as quickly as possible at an operational level and the significant precedent that this purchase represented as an initial milestone for other possible acquisitions in the future.

What benefits will this acquisition bring to the local community?

Prior to the acquisition, Premier had a significant amount of waste for recycling, but not all of its commercial customers had the separate collection service to enable them to recycle. Premier's integration into the largest recycling company in Texas, FCC, presents all of them with the added possibility of being able to recycle all of their materials at our Dallas facility, which was awarded the best in the US in 2017.

A consortium led by **Aqualia will manage water for more than 5 million inhabitants** of southern Saudi Arabia



From left to right, the CEO of Saudi Arabia's HAACO; Mohammed Halawani, CEO of Tawzea; Nimr bin Muhammed Al-Shebl, CEO of NWC; Javier Díaz, Country Manager of Aqualia in Saudi Arabia; and Julio de la Rosa, Middle East Director of Acciona, during the signing of the contract in Riyadh.

The consortium led by Aqualia (45%), which also includes the Spanish company Acciona (25%) and the Saudi service companies Tawzea (23%) and HAACO (7%), has won the public tender for the award of the contract for the management, operation and maintenance (MOM) of the end-to-end water cycle in the Saudi regions of Asir, Jizan, El Baha and Najran, located in the south of the kingdom, close to the border with Yemen. Aqualia is the official leader of the consortium as established in the terms and conditions of the public tender.

Aqualia was represented at the signing of the contract by the company's International Director, Luis de Lope; the Regional Director for the Middle East and North Africa, José Enrique Bofill; and Javier Díaz, Aqualia's Country Manager in Arabia. The CEO of the state-owned National Water Company (NWC) and representatives of the other three companies that make up the consortium were also present.

The contract includes the management of, among other assets, 59 water treatment plants, 380 reservoirs, 330 pumping stations, 127 tank filling stations, 20,000 kilometres of main pipelines, 43 wastewater treatment plants and 7,000 kilometres of sewerage networks.

Moving towards improved management

The South Cluster comprises the four southern provinces of the Middle Eastern country mentioned above, which have a population of more than five million people in an area equivalent to half the size of Spain, i.e. some 240,000 km2. This is one of the six Saudi Arabian territories into which the state-owned NWC, the client of the contract, has divided the country in order to move towards improved

> The South Cluster, which includes the provinces of Asir, Jizán, El Baha and Najrán, in the south of Saudi Arabia, covers an area equivalent to half of Spain

management of water supply and sanitation services.

The ultimate aim of this programme of the Government of the Kingdom of Saudi Arabia is to encourage private sector participation in the management of water and sanitation in the country and to improve efficiency across the board.

This contract, executed by a multidisciplinary team of experts from the consortium companies of nine different nationalities, will optimise the management and pursue the social, environmental and economic sustainability of the integrated water cycle in the vast southern region of Saudi Arabia.



Desalination plant and distribution system in the industrial area of Jizán (Saudi Arabia).

Saudi privatisation programme: **Modernisation and sustainable development**

As part of the Saudi Vision 2030, which aims at the modernisation and sustainable development of the country, the Ministry of Environment, Water and Agriculture of Saudi Arabia has developed a National Water Strategy (NWS 2030), which addresses the main challenges of the sector through policy and institutional reform initiatives. As a result of this process, the national water utility NWC was authorised to implement an integrated private sector attraction programme to improve service efficiency.

The programme aims to restructure the national water system into six regional distribution clusters, which are developed by specialised private companies. This institutional and legal reform in the country aims to achieve financial sustainability of the water sector and will be developed in two phases:

- **Phase 1:** Implementation of Management, Operation and Maintenance (MOM) contracts, in each cluster, of seven years duration.
- **Phase 2:** Implementation of long-term concession contracts in each cluster.

The six administrative/geographical areas identified with the clusters are as follows: East Cluster (Eastern region of the country); West Cluster (Mecca region); North Cluster (Qassim, Hail, Al-Jouf and Northern Border regions); North West Cluster (Medina and Tabuk regions); Central Cluster (Central Area of the country); and South Cluster (Asir, El Baha, Najran and Jizan regions).

Saudi Arabia's water management benchmark

Aqualia has been working in the Middle East for more than a decade, having started its activity in 2011. In Riyadh, the capital of Saudi Arabia, the company developed a major project over five years to optimise the city's water supply network, enabling it to offer a better service to more than three million inhabitants.

In the same country, Aqualia is also currently managing the affected services of the capital's metro works, also implemented by the FCC Group, and has operated and maintained the Hadda and Arana wastewater treatment plants in the city of Mecca, with half a million inhabitants served.

At the beginning of 2020, Aqualia acquired 51% of the company HAAISCO (Haji Abdullah Alireza Integrated Services Ltd.) from the Saudi Arabian group Haji Abdullah Alireza, which is responsible for the operation and maintenance of several desalination plants in Arabia. Among them is the King Abdulaziz International Airport plant, located north of Jeddah and a concession of the Qatarat company, of which Aqualia also acquired 51% in the same operation.

These acquisitions marked the beginning of an alliance that in a short period of time produced significant successes such as the award in 2021 of the water supply to one of the main industrial complexes in Saudi Arabia, located in Jizan, in the southwest of the kingdom.

In the same way, Aqualia operates and maintains, through HAAISCO, two other desalination plants in the country: the KAUST University seawater reverse osmosis plant, located in Thuwal, which produces 52,250 m3 daily; and it also manages, for Aramco-Sumitomo, the MED (multi-effect distillation) desalination plant in Rabigh, with a daily production of 10,000 m^3.



Desalination plant at King Abdulazis International Airpot in Jeddah (Saudi Arabia)



Aqualia receives the **“Distinction Award”** in the category of **Best Water Company of the Year** at the Global Water Awards 2022



Representatives of Aqualia during the presentation of the Global Water Awards 2022.

Aqualia has received triple recognition at the Global Water Awards 2022, awards granted by the British communications platform Global Water Intelligence, known as the “Oscars of water”. The water management company received a Distinction Award (second place) in the main category of “Best Water Company of the Year”. Aqualia was also selected among the four finalists in the Net Zero Carbon Champion category. Finally, Víctor Monsalvo, head of the Eco-efficiency Area in the company’s Innovation and Technology Department, was awarded the “Distinction Water Tech Idol” for his presentation of the MIDES project, a water desalination system with no energy costs, unique in the world.

The award given to Aqualia as the second-best water management company in the world, after Manila Water, the operating company in the capital of the Philippine Islands, is recognition of the company’s achievements in 2021, as well as its contributions to the development of the sector worldwide.

With its inclusion on the short list of four finalists in the Net Zero Carbon Champion category, the jury of the Global Water Awards 2022 endorses Aqualia’s global strategy in favour of decarbonisation. To this end, the company is developing numerous R&D projects, and presented, at the end of 2021, its Strategic Sustainability Plan 2023, focused on reducing consumption, creating alliances and developing technology.





> This is the largest road infrastructure contract in the history of Norway and one of the largest contracts awarded in Europe in 2021

The Sotra Link consortium reaches financial close on the Sotra Connection PPP dual carriageway

FCC Construcción strengthens its presence in Norway

A large-scale project involving a 2billion euro portfolio that will become the largest road infrastructure in the Scandinavian country.

The Sotra Link consortium has reached financial close on the €2 billion Sotra Connection PPP project. The consortium consists of Macquarie Capital; SK ecoplant, a South Korean civil engineering company; and Webuild, an Italian industrial group.

It is worth noting that this is the largest road infrastructure contract in the history of Norway, one of the largest contracts awarded in Europe in 2021 and also the most complex developed by the Norwegian government as part of its National Transport Plan 2018-2029.

Opening in 2027

Sotra Link was selected as preferred bider for the Sotra Connection PPP project by the Norwegian Public Roads Authority (NPRA) last year, and will operate and maintain the highway for 25 years after it opens in 2027. The design and construction of the project will be executed by Webuild and FCC Construction, together with SK ecoplant. On the other hand, it will be operated by Hungary's Intertoll.

The public-private partnership (PPP) contract includes the financing, design, construction, operation and maintenance of a 9.4-kilometre four-lane road, located in the Norwegian county of Vestland. The project aims to improve travel between Bergen and the island of Sotra on the west coast and includes the construction of twin 4.6-kilometre-long tunnels and a four-lane bridge of about 900 metres, as well as three smaller bridges. The new road system will have dedicated space for public transport, as well as pedestrian and bicycle access. In addition, the project includes the construction of three smaller bridges.

The **Mataporquera** factory's **Energy Transition Plan** contributes to **meeting the objectives of the European Green Pact** and the Climate Change and Energy Transition Act

The plan of the Mataporquera factory (Cantabria), whose ultimate goal is to achieve climate neutrality by 2050, is developed in circular economy, greenhouse gas emissions, energy efficiency, biodiversity and R&D&i.

The Cementos Portland Valderrivas Group, to which the Mataporquera factory belongs, is aware that the fight against the climate emergency is one of the main challenges facing society globally.

After a detailed analysis, five lines of work are proposed, taking into account the current context of the factory, the technological, human and economic resources, the applicable legislation, the expectations of stakeholders and the need for investment.



Lines of work

1. Strengthening the circular economy

Collaborating with waste producers in the catchment area to improve preparation prior to recovery, with the aim of consolidating a thermal substitution rate of 80%, a biomass use of 40% and a use of alternative raw materials of 10% by 2030.

2. Reducing greenhouse gas emissions

Increasing the use of decarbonised raw materials and improving the efficiency of the thermal process. With these measures, it is estimated that the emission factor can be reduced to 715 Kg CO_2/t clinker in 2030, achieving a reduction of 71,000 tonnes of CO_2 per year, equivalent to a 50% reduction in this process compared to 1990. The reduction actions are complemented with the calculation of the carbon footprint, including emission sources not subject to the ETS Directive, and reduction targets involving customers and suppliers.



3. Increasing thermal and electrical energy efficiency in the different stages of the manufacturing process

Improving the efficiency of installations and equipment, increasing the mix of renewable energies, boosting digitalisation and including artificial intelligence and expert control systems.

4. Protecting biodiversity

Through actions in the quarry and degraded areas in collaboration with public entities and interested social agents with the aim of improving the biodiversity of the environment.

5. Promote R&D&I initiatives

Collaborating in feasibility studies for the application of new technologies together with specialised companies and research groups. Under study, processes for the capture, transport and subsequent use of CO_2, generation and use of green hydrogen as fuel and, in general, the implementation of BATs and emerging techniques for the manufacture of cement.

Key player in initiatives against climate change

The Cementos Portland Valderrivas Group is committed to reducing the pollution that causes climate change on the planet through its actions and to forming part of the #PorElClima Community, a pioneering initiative of people, companies, organisations and public administrations that unite with a common objective: to be protagonists in the action against climate change in accordance with the guidelines set out in the Paris Agreement.

The Group's management is aware that climate change is one of the main challenges facing society globally, and its mitigation is at the heart of the European Green Pact, which aims to achieve climate neutrality in the European Union by 2050.

To achieve this, the Group has established energy transition and climate neutrality plans for each of its production centres that include actions to reduce greenhouse gas emissions derived from its activity, as well as to promote the circular economy, improve energy efficiency, use renewable energies and protect biodiversity.

As part of this strategy, the plan presented by the Mataporquera factory has been included among the 101 Business Initiatives of Actions #PorElClima 2021 in Spain, which recognise the commitment and climate ambition of Spanish companies, while at the same time giving visibility to the actions implemented to address the climate emergency.

It is of enormous relevance that a cement factory has been included by this Community and, above all, it is a great recognition for the company that the Spanish Ministry of Ecological Transition and Demographic Challenge has chosen Cementos Portland Valderrivas Group, which is a great boost to its environmental and sustainability policies.



> Cementos Portland Valderrivas Group is committed to reducing the pollution that causes climate change on the planet through its actions and to becoming part of the #PorElClima Community

#PorElClima

The #PorElClima Community is the multi-stakeholder alliance that wants to contribute decisively to the ambitious implementation of the Paris Agreement in Spain. The driving force behind this initiative includes representatives from three key sectors: Ministry of Ecological Transition and Demographic Challenge (MITECO), business and citizens.



The FCC Group's Legal Services are holding their IV Meeting under the slogan

"New times, new challenges"



The FCC Group's Legal Services and Compliance teams held their fourth professional meeting, under the slogan "New times, new challenges", to update the current vision of the Group, its business areas and the challenges it faces in several areas, including sustainability.



The Legal Services teams from the FCC Group's different business areas visited the La Campiña Environmental Recycling Complex in Loeches (Madrid).



Pepe Cerro, General Manager of the FCC Group's Legal Department welcoming those attending the meeting.

The day began at the La Campiña Environmental Recycling Complex in Loeches, Madrid, with a welcoming ceremony given by Pepe Cerro, general manager of FCC Group Legal Services, and Jordi Payet, general manager of FCC Medio Ambiente.

Before visiting the facilities, the attendees were given a tour of the site by means of an explanatory video. Luis Sanz, head of the plant, was in charge of giving a detailed tour of this waste treatment centre, which serves the 31 municipalities of the Mancomunidad del Este de la Comunidad de Madrid. Once the activity was over, the team returned to the Group's corporate headquarters in Las Tablas (Madrid).



Jordi Payet, general manager of FCC Medio Ambiente, and Pepe Cerro, general manager of the FCC Group's Legal Department, opened the conference in Loeches.



Miguel Nieto, Partner at Pinsent Masons, gave a lecture on the impact of cybersecurity and ICT from a legal perspective.

During the afternoon session, Pepe Cerro was in charge of opening the day with a short introduction that preceded the conference by Miguel Nieto, Partner at the law firm Pinsent Masons, who emphasised, from a legal perspective, the importance of cybersecurity and the impact of ICT or new technologies through Infratech Solutions; as well as E-Mobility services, to improve urban mobility in cities.

This was followed by a round table discussion moderated by Cristina López Barranco, director of Coordination and Control of the FCC Group's Legal Services, with the participation of Antonio Burgueño, director of Quality, CSR and R&D&I at FCC Construcción; Arturo Furones, head of Corporate Development and Projects in the Corporate Strategic Planning Department of the Cementos Portland Valderrivas Group; Víctor Santamaría, from the FCC Environment Studies Department; Enrique Hernández, Aqualia's Director of Management Systems, Sustainability and Risks; and Antonio Núñez, Technical Director of Realia and of the FCC Group's real estate area, who discussed sustainability as one of the main current challenges for all business areas.



Cristina López Barranco, Director of Coordination and Control of the FCC Group's Legal Services, moderated a round table where the company's business areas addressed the challenges presented by sustainability.



Miguel Coronel, the Group's Director of Markets and Management Control, analysed the role of green bonds.

The last talk was given by Miguel Coronel, director of Markets and Management Control at the FCC Group, who highlighted the important role that green bonds could play as a way of financing or refinancing green projects in responsible waste management.

Fostering and strengthening ties

The meeting was brought to a close by Felipe B. García, the company's general secretary, who also stressed the importance of sustainability, and of the meeting itself, in fostering and strengthening ties.



Felipe B. García, general secretary of the FCC Group, brought the meeting to a close.

Camino Martínez de la Riva, a life by the water, full of success, commitment and perseverance

Camino Martínez de la Riva is an example of effort and self-improvement. Her passion for sports, specifically swimming, has led her to become one of the best swimmers in adapted swimming, not only in Spain or Europe, but in the world. She is a member of the Spanish swimming team of the Spanish Federation of Sports for People with Intellectual Disabilities and thanks to her hard work and willpower she has managed to reach the top.

Since she was 4 years old, water has been her faithful ally and together with her she has come a long way since she started competing in 2014: from Paris to Florence, to cross the Atlantic and reach Mexico, and even crossed the entire planet to compete in Australia, where she won a total of nine medals in the Olympic pool in Brisbane during the INAS Global Games.

There she managed to consolidate her position as the fastest swimmer with Down's Syndrome in Europe in the 100m freestyle, among other awards and titles she has accumulated since she was 16 years old.

On the other hand, Camino works in the company in the training area of the Culture and Talent division of Aqualia's Human Resources Department.



How did your love and passion for swimming begin and what made you want to take up the sport professionally?

It was a doctor's advice for my musculature, and as I really liked the water, my parents signed me up for swimming.

What is your daily routine like and what does it involve to do so many activities at the same time and with such intensity?

I go to work, eat at home, take a nap and train. I manage it well, but by the end of the week I'm tired and there are days when I get a bit stressed.

Do you have to make any sacrifices to be able to fully dedicate yourself and concentrate on the sport?

The worst thing is my diet, I have a nutritionist who sets my meals. On the other hand, I also don't like it when my friends call me to meet up and I can't make it. I would also like to be able to attend more drama classes.

What does it mean to you to be World, European and Spanish champion, the records you hold and the more than 100 medals you already have?

I take it normally. I would like to be an example for people with disabilities and, above all, with Down's Syndrome and tell them that we can go far, wherever we set our minds to.



María de los Ángeles Polo, Blanca Plaza and Carlos Escribano, together with Camino Martínez, form part of the Training, Development and Diversity area of Aqualia's HR department.

Who has supported you the most in pursuing your dreams?

My parents, my family and, above all, my coach.

In addition to swimming and your daily work at Aqualia, you also act and work in the theatre. What strikes you most about being an actress and what similarities does it have with sport?

At first sight they are different things, but both require a lot of perseverance, effort and dedication.

Which of all the places you have discovered and the people you have met around the world have struck you the most, and which of them are you most fond of?

In Mexico, the people were very friendly, and in Australia I liked the kangaroos. I liked the championship in Aguascalientes (Mexico) very much, the volunteers treated us very well and we had a great time with them, and as they spoke Spanish...

What is the best memory you have so far of everything you have experienced as a swimmer?

My first world championship in Florence in 2016, where I managed to beat my first world record in the 200m freestyle. On the other hand, Italian food, which drives me crazy.

What goals do you have in mind that you haven't achieved yet?

To be able to participate in the Paralympic Games and to be part of a film or series.

In terms of your work at Aqualia since you joined in 2017, what have you learnt working in the HR Culture and People department?

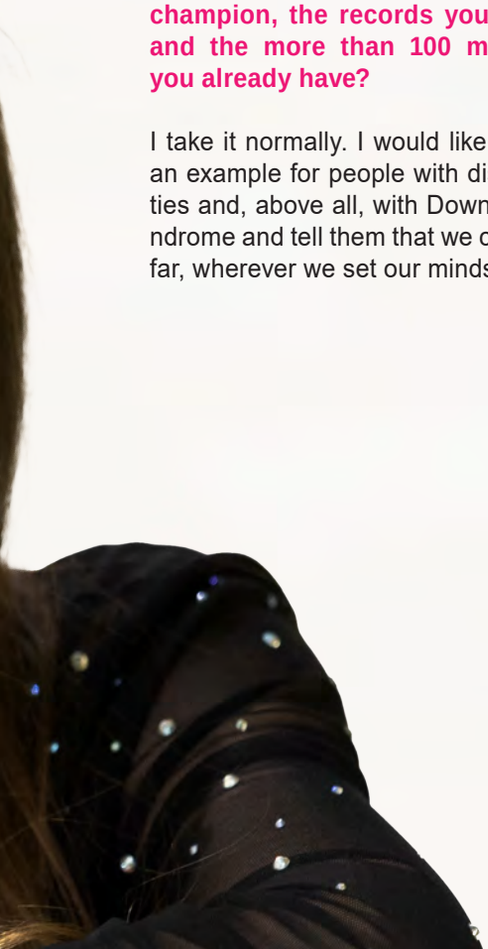
The beginnings were difficult because of my lack of knowledge about the job and my shyness.

What do you like most about your job and what tasks do you do every day?

I love working on the computer and preparing diplomas. I scan, prepare documentation, Excel files, and whatever else I am asked to do.

And as for the team you are part of... what would you highlight about the people around you?

They help me a lot, I love them and above all they treat me as just another worker, they forget that I have a disability.





The solidarity of FCC employees has an impact on 288 lives after the latest blood donation campaign

The participation of FCC employees in the latest blood donation campaign set up with the Red Cross between 20 and 23 June at the company's corporate headquarters in Las Tablas and Federico Salón (Madrid) has once again had a very favourable impact in view of the permanent need for blood in hospitals and the demand for transfusions.

The solidarity of the donors who came to the Red Cross mobile units set up in front of the buildings at both sites has contributed to improving the lives of at least 288 patients. This figure has been possible thanks to the effective participation of 96 people, whom we thank for their great example of generosity and collaboration, as well as those who, despite not being able to do so, wanted to join the initiative.

In this regard, the institution thanks FCC for once again contributing to this cause of solidarity, 'CoRazones que se buscan CoRazones que donen sangre', and for joining forces with the SDG3 commitment 'Health and Wellbeing', one of the 17 SDGs reflected in the United Nations Agenda 2030.

We are looking forward to seeing you in the next campaign!

A permanent need

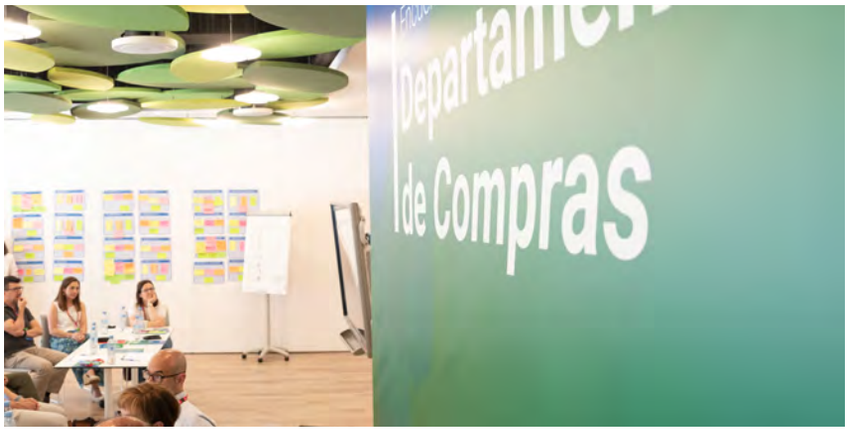
FCC and the Red Cross currently have a great challenge ahead of them: to progressively register a greater number of donors, and to continue generating social awareness of the permanent need for blood in hospitals and the demand for transfusions to help other people. At least one out of every 10 people admitted to a Spanish hospital every day needs a blood transfusion.

Donating blood regularly is necessary, especially in the current health context, so that the reserves continue to be maintained and do not go into red alert. Only 450 millilitres of blood are needed to save at least three lives and to achieve this, the involvement, collaboration and solidarity of all of us is necessary.

These campaigns of collaboration with the Red Cross are carried out two or three times a year, respecting the established vital times that allow a new donation to be made.



The FCC Group's Purchasing Department holds its first corporate meeting
'Creating value, committed to service'



The FCC Group's Purchasing Department held its first meeting at the company's corporate headquarters in Las Tablas (Madrid) under the slogan "Creating value, committed to service". In addition to strengthening ties, the team shared its experience with a focus on internal customer service, towards which its day-to-day activity is directed, and the generation of value for the customer.

During the course of the event, the attendees took part in a workshop in which they worked on the department's objectives for the coming year.

José María Torroja, head of the FCC Group's Purchasing Department, thanked the many contributions and the work of the entire team on the aspects worked on, relating, among others, to good practices and transparency, diversity, equality, sustainability and digitalisation. These contributions, expressed in a productive working day on key issues in the department, will be used to define specific objectives for the coming year.

The **FCC Group's Security Department** receives its teams from America and MENA in Las Tablas (Madrid)

FCC's Security Department has held a meeting at its Las Tablas headquarters for several managers of the international team in Latin America (Colombia, Peru and Panama) and the MENA (Middle East and North Africa) region, from Saudi Arabia, Algeria and Egypt.

Antonio Escudero, director of General Services and Corporate Security for the FCC Group; German Vicente Rodríguez, the company's security manager in America; and Marcos Suárez, director of International Operations and head of security in the MENA region, explained and analysed the FCC Group's security at the corporate level, the challenges it faces and updates on the most common tools used in its work.



Family photo of the meeting.

Recognition of **Andrew Walton**, street cleaner for FCC Environment, **for his dedication and commitment in Lutterworth, England.**



Andrew Walton, an environmental operative with FCC Environment UK's waste collection and street cleaning service in Lutterworth, a town in the county of Leicestershire, has been recognised by the company for his dedication and commitment to keeping the town clean and tidy every day, even on Sundays, when he can be seen cleaning up around the local church.

Andrew, who has also received praise and compliments from local residents, says he enjoys what he does. He carries out his daily tasks with great diligence and says that regardless of the weather, he always approaches the job with the same motivation: "I really enjoy it and take a lot of pride in it".

Andrew, on the other hand, emphasises how much he enjoys communicating with his neighbours: "I love the social side and it's great chatting to people when I'm doing my rounds and hearing nice feedback".

This recognition has earned him a place on the shortlist for FCC Environment UK's Achievement Awards, which the company has set up to recognise the efforts and dedication of its employees.



Part of the team after winning the IV category of the finals.

The FCC Group team, **winners of the fourth category in the Inter–company Paddle League**

A team made up of 10 FCC Group employees has taken part in the Inter-company Paddle - Golf Santander & Sports competition, the biggest inter-company competition in this sporting discipline, organised since October 2021 at Banco Santander's sports club in Boadilla del Monte (Madrid).

As part of the third and final tournament, the team took part in the final draw, divided into four categories, which put the finishing touch to the season with a great event. After playing in the fourth category of this knockout, where they played against other teams through different phases - eighths, quarters, semi-finals and final - they were proclaimed winners and received a commemorative gold medal and a trophy as a prize, as well as a special pass to watch the World Paddle Tour's grand final live.

The participating companies have played their matches every two weeks using a Davis Cup format with three pairings and the participation of at least two women per day.

Congratulations, champions!

United for sport

Juan José Gayete (Aqualia); Raquel Losada (FCC Medio Ambiente); Juan Pablo Merino (Aqualia); Veronica Mendo (Aqualia); Marisa Ruiz (Central Services); Alejandro Kubusch (FCC Medio Ambiente); María Victoria Andrés (Aqualia); Jose Luis Fernández (FCC Construcción); Alberto Martínez (FCC Medio Ambiente); and Santiago Díaz (Central Services) made up this group and played together in the three tournaments into which the competition was divided this year, which was played in an ad-hoc format, with four categories and quarterly promotions and relegations, bringing together a total of 500 players from more than 48 Spanish companies.



From left to right, Juan José Gayete, Aqualia; Raquel Losada, FCC Medio Ambiente; Juan Pablo Merino, Aqualia; Verónica Mendo, Aqualia; Marisa Ruiz, FCC Group Central Services; and Alejandro Kubusch, FCC Medio Ambiente.

José Antonio Hernández achieves success in weightlifting: **virtual first place, two–time Spanish champion and European champion**



Jose Antonio Hernández Castilla, an employee of FCC Medio Ambiente's urban waste collection contract in Almería, has won The First 2022 International Masters Online Virtual Weightlifting FAMILY Championship, an international weightlifting tournament organised by the International Weightlifting Federation and held virtually last April.

Among the successes achieved by Jose Antonio in this tournament were first place in Europe and third place overall in his category of under 45 years and 67 kilos. This sport is made up of two types of competition: the snatch and the two-stage deadlift. The sum of both events determines the total score. In the first, the athlete managed to lift a weight of 84 kilograms; and in the second, 102, lifting a total of 186.

Likewise, and after competing in the 7th Spanish Masters Individual Weightlifting Championships held in Gijón (Asturias), José Antonio was twice Spanish champion and European champion in the Master M45 category, up to 67 kilos. In addition, Jose Antonio is already preparing for the 2022 World Masters Weightlifting Championship's, which will take place at the beginning of December in Orlando (Florida), in the United States.

Congratulations for these achievements and good luck!

Alberto Sánchez Pérez, an operative from Madrid's selective waste collection service, **successfully completes the Titan Desert race** in Morocco

After more than seven days and seven nights in the dunes of the Moroccan desert, Alberto Sánchez, an operator for FCC Medio Ambiente's selective waste collection service in Madrid, finished his participation in the Titan Desert Mountain Bike Race.

Alberto, who made it to the last of the competition's six stages, covered 645 kilometres and almost 6,000 metres of cumulative positive vertical drop between 8 and 13 May, wearing a very corporate outfit with the company's logo. He finished in 332nd place in the official classification and 93rd in his category, with an official time of 41 hours at a pace of 15.01 km/h.

More than 500 people joined this great, complex and unique challenge full of emotions, effort and overcoming, which has reached its seventeenth edition and kicked off in the small town of Merzouga, located in the southeast of the African country, in the middle of the Sahara Desert.



"Clean Water for Algeciras", winning report of the 6th Aqualia Journalism Prize



Family photo of the award winners, together with Aqualia executives.

The work "Clean Water for Algeciras" signed by the journalist Raquel Montenegro, published in Europa Sur, about the end of dumping on the coastline of Algeciras, the proper treatment of wastewater and the transformation that all this has meant for this area of the city, has won the 6th Aqualia Journalism Award.

The jury chose Montenegro's work for the quality of the work, its informative approach and its usefulness for citizens. Felix Parra, CEO of Aqualia, presented the award at a ceremony held at the Madrid Press Association (APM).

The first runner-up prize went to Vanesa de la Cruz for her article "Water: increasingly scarce and not very renewable" for El Colombiano. The Colombian journalist received the award from Luis de Lope, Aqualia's International Director. Eva González, with her article for El Confidencial "Vamos a llenar el depósito del coche con los purines de los cerdos" ("We are going to fill the car's tank with pig slurry"), received the second runner-up prize from Miguel Ángel Noceda, president of the Federation of Spanish Press Associations (FAPE).

MORE INFORMATION

FCC's two teams reach the semi–finals of the Futbolempresas Europa League

FCC culminates its participation in Spain's biggest league of football companies. The two teams that have represented the FCC Group in Futbolempresas this year have reached the semi-finals of the Europa League, facing each other in a duel that ended in a thrilling penalty shoot-out.

The two teams that have represented FCC in this competition, made up of more than 140 companies, are made up of employees from all business areas, and they are: Antonio Ruiz, David Borrego, Fernando Pascual, Pepe Vivero, Rodrigo Punta, Miguel Ángel Montero, Juan Carlos Lozano, Alberto Aznar, Pedro García-Conde, Jesús Paramio, Fernando González, Jose Manuel García, making up the team in blue; and Sergio Mingo, Gustavo García Rodríguez, Valentín Ortiz, Alberto Cadenas, Sergio Peña, Carlos Escribano, Juan Antonio Serrano, Oscar Olivares, Luis Estremera, Rubén Villaluenga and Carlos Hernández Laste, dressed in green.

This initiative, developed within the framework of the VIVE Saludable (Live Healthy) Programme, aims to promote physical activity and sports practice within the organisation, understanding them as a fundamental value for people's wellbeing.

More than 400 companies have taken part in the competition over the last few years. It is a very enriching experience that promotes, through sport, well-being and companionship among the players beyond the work environment, who share their motivation, dedication and time for an initiative that at the same time allows them to strengthen ties and practice this activity as a team.



Family photo of the two teams with which FCC took part in the tournament.

FCC supports the celebration of **European Diversity Month**

The FCC Group joins in the commemoration of European Diversity Month, recalling the company's motivation to continue making progress in the creation of inclusive work environments in compliance with SDG 5 (Gender Equality) and 10 (Reduction of Inequalities) of the United Nations 2030 Agenda.

On the ethical principles and values of equal opportunities, FCC is committed to equality and diversity. In this regard, it is worth highlighting the commitment to gender equality to increase the presence of women in traditionally male-dominated positions, as well as to promote equal opportunities in professional development between men and women, and, in terms of the inclusion of people with disabilities, the commitment to integration in the workplace.

Also, this year we highlight the launch of the "you_diversity" portal, a global space to give visibility to Diversity and Equality.





EU DIVERSITY MONTH
United in Diversity

you_diversity

INTERVIEW

Francisco Mesonero

General Manager of the Adecco Foundation

As part of the actions carried out by FCC to commemorate European Diversity Month, we spoke with Francisco Mesonero, general manager of the Adecco Foundation, a specialist in the management and implementation of Diversity and Inclusion Management programmes within the framework of Corporate Social Responsibility (CSR), a promoter of social initiatives in favour of labour inclusion for people at risk of exclusion, and a generator of strategies and policies for the correct management of diversity in companies.

The Adecco Foundation has a long history in the field of labour market insertion. What is the Adecco Foundation and what services does it offer companies?

We are a non-profit organisation with more than 20 years of experience supporting people who find it most difficult to find a job, and companies in building more diverse, inclusive and competitive work environments. We have the advantage of belonging to the Adecco Group, a world leader in the Human Resources area, which gives us an exhaustive knowledge of the business world and a strategic vision when designing diversity, equity and inclusion strategies.

During this trajectory of more than two decades, we have been able to confirm that these policies, when integrated into the core of organisations, nourish companies from different points of view that result in creativity, innovation, higher quality products and services, prevention of reputational crises, opening up to new markets and improvement of the working environment. Our commitment to diversity is transversal and applies to all stakeholders: the more diverse they are, the more wealth and added value they bring to the organisation.

More specifically, we advise companies on compliance with the General Disability Act, but always with the aim of turning this legal obligation into an opportunity that generates business excellence. Today, 40 years after the approval of this regulation, the time has come to go a step further and ensure that any person with a disability who wants to work has the opportunity to do

so in committed and sensitive environments with guarantees for the future.

Diversity is a strategic business value. What should a company consider in order to embrace and integrate this value into its business structure?

The most important thing is that there is a real commitment and willingness at the highest level of the company, which is projected at all levels of the organisation.

After this first step, it is necessary to approach diversity strategies from a triple perspective: legal, moral and economic. Currently,



there are some regulations that are acting as accelerators of this type of policy, such as the Non-Financial Information and Diversity Act, or the Equality Act. However, far beyond the legal framework, diversity, equity and inclusion policies generate the necessary stability to be able to carry out business activity in a sustainable manner, by actively contributing to tackling major social challenges such as inequality, poverty or decent work. All this has an undeniable economic impact: it is well established that diverse, egalitarian and inclusive companies are also more competitive and profitable, as consumers, employees and other stakeholders tend to prioritise them, rewarding them in their decisions. In other words, it is clear that the social, environmental and economic agendas cannot be pursued separately: they must be merged into a single sustainable and inclusive growth path.

Are Spanish companies really diverse? How far have we progressed in comparison with neighbouring countries?

In recent years, our business fabric has made great strides in the consolidation of its diversity, equity and inclusion strategies, incorporating these policies into its agendas, setting up teams and people in charge of the matter, and even designating budget allocations for this purpose. It is clear that there is a real interest in making progress in this area, but there is still a long way to go. There are other countries such as the US and the UK that are at the forefront, which have extensively explored the concepts of diversity, fully integrating them into their operations and generating KPIs to measure their impact.

It is precisely these models that should inspire us and, in fact, this is what we are doing through the #CEOPorLaDiversidad alliance, which we have promoted from the Adecco Foundation and the CEOE Foundation, with the aim of accelerating these strategies in Spain and improving business competitiveness, as well as its contribution to the great social challenges.

There is a lot of talk about diversity in all its aspects: gender, age, culture, race, sexual identity, etc. Isn't this diversity a real driver of enrichment for the company and for the people who work in it?

At the Adecco Foundation we always talk about #DiversityWithoutLabels, because we understand that labelling diversity is mutilating its very concept. Diversity should encompass all the people with whom the company relates and not just a few.

Often, when we talk about gender, functional or generational diversity, we are really referring to the interest of companies in undertaking inclusion initiatives that eradicate the discrimination to which women, people with disabilities or older professionals are still exposed.

However, diversity is a much broader concept that includes the values that each person harbours: cultural background, empathy, social skills, initiative, creativity, results orientation, cooperation... Each person has their own qualities and values, and these are what in practice lead the organisation to more prosperous horizons.

What is the role of business in diversity?

We have to be very clear that a society cannot be truly diverse and inclusive if the agents that generate employment are not diverse and inclusive. Companies play a fundamental role and fortunately more and more of them are showing their commitment. It is only a matter of time before those that are not yet convinced jump on the diversity bandwagon, as it is the only way for an organisation to be truly sustainable and competitive. In other words, a company that does not care about its environment and people will not have the support of consumers or any other stakeholder group, and is doomed to disappear.

How is gender equality understood through the lens of diversity?

At the Adecco Group and the Foundation, we defend the #TalentWithoutLabels model, which holds that all people are equal but each

person is unique. This means that all of us, men and women, must have the same opportunities, but without renouncing the uniqueness of each one of us.

Women continue to face situations of inequality in their access to employment and/or in their opportunities for professional development and growth, often due to prejudices related to motherhood or their leadership capacity. Fortunately, these beliefs are now being dismantled, as reflected in some figures, such as the percentage of women in management positions, which currently stands at 27% compared to 20% a decade ago. There is still a long way to go and we must continue on the path of defending people's talent, leaving no room for any kind of discrimination based on gender.

How important is vocational education and training in the socio-occupational integration of disadvantaged people, and how can public-private collaboration be improved in order to enhance such training, bringing it closer to and adapting it to real needs?

The training of people is the real driving force and backbone of a country's policy. We need modern, up-to-date training that is sensitive to the needs of companies and available to everyone, so that the most vulnerable job seekers are not left behind and can connect with emerging employment niches.

Public-private collaboration is precisely one of the key elements in achieving people's skills and strengthening lifelong learning models. When companies and public administration pool their knowledge and resources, these models are implemented in a much more agile, efficient and quicker way, but, above all, more oriented to the needs of society.

About the Diversity Charter and its 10 principles

FCC continues with its commitment to the Spanish Diversity Charter, making a commitment to being an increasingly diverse and socially responsible company, by adopting the 10 basic principles of its essence.

THE 10 BASIC PRINCIPLES

01 Build a DIVERSE WORKFORCE.

02 Promote an INCLUSIVE CULTURE.

03 Promote PROCESSES for selection and promotion without BIAS.

04 Promote policies for personal and labour RECONCILIATION.

05 Recognise the DIVERSITY of your CLIENTS.

06 COMMUNICATE this commitment INTERNALLY.

07 INVITE SUPPLIERS to comply with the European Charter.

08 COMMUNICATE this commitment EXTERNALLY.

09 Tell everyone about GOOD PRACTICES and results obtained.

10 RAISE AWARENESS transversally about D&I.

Women also build:

FCC Construcción, an **example of equality and diversity** in its work teams.

Not only have they laid the first stone, but they have also helped to build and put into operation more than 50 sports infrastructures, 8,500 kilometres of motorways and dual carriageways and more than 150 urban development and design projects.

Cristina Martínez Núñez, structural technician on the remodelling of Santiago Bernabéu Stadium; Nuria Sebastián Muñoz, site manager on the remodelling of Plaza de España; and María Isabel Acero Terrés, quality and environmental technician on the remodelling of Nudo Norte, are at the helm of these FCC Construcción projects in Madrid every day, resiliently adapting to all kinds of contingencies. They do it with enthusiasm, they face every challenge and challenge they are presented with, and they know how to turn every difficulty into an opportunity, enjoying every step they take together with the team they are part of.

Be what you want to be

There is no job for men

There is no job for women

VIDEO

Nuria **Sebastián Muñoz**

Site Manager
Remodelling of Plaza de España (Madrid)



Nuria is proud to be part of FCC Construcción, as belonging to a large company had always been one of her goals since she began her studies in Technical Architecture. Looking back, she remembers the beginning of her career with the company as if it were yesterday. Looking back, she considers herself very fortunate.

On the other hand, of all the projects she has been involved in, Nuria would highlight the refurbishment and lighting of the façade of the Palacio de Comunicaciones de Cibeles, as well as the remodelling of the Plaza de España, both in Madrid. She is currently head of production on the remodelling of a building for the General Directorate of the Civil Guard, although she also carries out Quality and Safety tasks.

READ INTERVIEW

Cristina **Martínez Núñez**

Structures Technician
Remodelling of Santiago Bernabéu Stadium (Madrid)



Cristina began her career with FCC Construcción 23 years ago with confidence, in the Bridges department, after finishing her university degree in Civil Engineering. Since then, she feels she is part of a big family and considers herself lucky.

Among the projects in which she has been involved are the Wanda Metropolitano, the Caja Mágica, the Museum of Royal Collections, the Cibeles Communications Palace, all of them in Madrid; and on the other hand, the remodelling of the Santiago Bernabéu Stadium, in which it is currently involved and which is a challenge due to its continuous modifications to meet the client's needs.

READ INTERVIEW

María Isabel **Acero Terrés**

Quality and Environment Technician
Refurbishment Nudo Norte (Madrid)



María Isabel joined FCC Construcción with great enthusiasm. The opportunity to join the company at the beginning of her professional career was very exciting and enriching for her, and she was eager and motivated to learn and develop. She has worked on different construction sites, and from each of the projects in which she has been involved she has been able to extract many things, from different ways of working, to the fact of being able to form part of larger and more diversified teams. She has learned a lot from them, especially dedication and effort in a collaborative environment.

The remodelling of the Nudo Norte in Madrid is for Maribel the most significant project she has been involved in. It has allowed her to acquire a global and complete vision of what is involved in the execution of a project of such characteristics and the working methodology of the Madrid City Council.

READ INTERVIEW

FCC Medio Ambiente and the Madrid Employment Agency sign a **collaboration agreement to promote the hiring of people with job placement difficulties**



Signing of the collaboration agreement between FCC Medio Ambiente and the Madrid Employment Agency.

FCC Medio Ambiente has signed a collaboration agreement with the Madrid Employment Agency to promote the hiring of people with difficulties in finding work. The signing was attended by Miguel Ángel Redondo, delegate of the Economy, Innovation and Employment Area of the Government of Madrid, in his capacity as managing director of the Madrid Employment Agency, and José María Meneses, manager of the Agency. Representing FCC Medio Ambiente were Luis Suárez, director of Human Resources, and Raúl Pérez, manager of the Madrid branch office.

This agreement seeks to strengthen collaboration in labour intermediation and job training, with the aim of establishing a public-private relationship that will lead to greater efficiency in incorporating unemployed people into the job market. Both entities signed the agreement as part of their commitment to the full integration of people to improve their quality of life and promote social cohesion.

FCC Medio Ambiente has thus become the first company in the sector to sign this type of agreement, which is an endorsement of the company's commitment to an inclusive economy, solidarity and social responsibility.

The company once again reaffirms its commitment to the development of more sustainable communities based on equality, resilience and the inclusion of various groups through the design and implementation of social sustainability practices.

> "First company in the sector to sign this type of agreement"

Aqualia receives the **Equality, Diversity and Inclusion** prize at the iAgua 2022 Awards

The eighth edition of the iAgua Awards have distinguished for the first time the "Equality, Diversity and Inclusion" in companies in the water sector, an award that has gone to Aqualia.

Juan Pablo Merino, the company's Global Director of Communication and CSR, received the award from Alejandro Maceira, founder of iAgua.

"Having social legitimacy is essential for any company to be sustainable over time. And the only way to obtain this legitimacy is by doing things well and, at the same time, communicating them well, both to stakeholders and to society in general", highlighted Merino during his thank-you speech.

Pioneer in the implementation of equality plans

Aqualia has been a pioneer in the application of equality plans in the water management sector. The company recently presented its 3rd Equality Plan, which sets out the objectives and lines of action that will guide its activity in this area by 2025.

On the other hand, its track record has enabled it to be recognised with the Equality in Business Distinction (DIE) from the Ministry of Equality, which it renewed in 2021 for a period of two years. In addition, since 2017 it has also held the Family Responsible Company (EFR) seal, after implementing actions that promote work-life balance between male and female employees, and that this does not entail a loss of opportunities, either in promotion or in access to training, among other aspects.

Aqualia has also renewed its participation in the #CEOPorlaDiversidad Alliance; maintains its adherence to the Diversity Charter, which it joined in 2018; and recently announced that it is joining the Empowering Women's Talent initiative that aims to create a space for synergies so that companies can share experiences and work together to advance towards diversity, equality and professional inclusion.



Alejandro Maceira, founder of iAgua, presented the award to Juan Pablo Merino, Aqualia's Global Director of Communication and CSR.

iAgua Awards

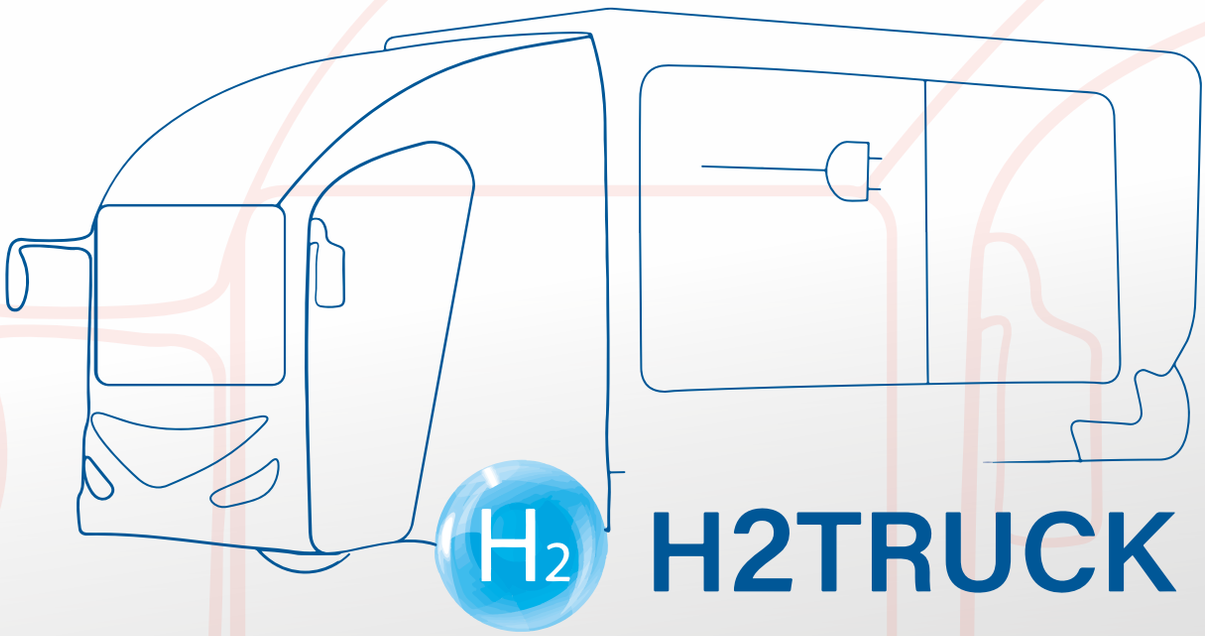
These awards, held every year without interruption since 2014, recognise the work of companies in the water sector in Spain and Latin America, as well as the most outstanding entities and professionals in this field.

Best Company of the Year

Aqualia has also been awarded "Best Company of 2021" by the readers and followers of iAgua magazine. The award, which recognises the company's "good governance" in water management for the third consecutive year, has allowed the company to position itself once again as the most representative entity in the sector. Since 2019, Aqualia has topped this ranking, although it had previously achieved it for the first time in 2015, and again in 2017.



FCC Medio Ambiente **wins European Funds for the H2Truck** with the Battery–Hydrogen Fuel Cell Hybrid Technology project



FCC Medio Ambiente has been awarded a grant for the development of the project “Research and development of a new heavy-duty vehicle for urban service applications with hybrid battery and fuel cell technology, powered by hydrogen”.

The project, known as H2TRUCK, is part of the PTAS programme (Sustainable Automotive Technology Programme) within the framework of the grants awarded by the Centre for the Development of Industrial Technology (CDTI) supported by the Ministry of Science and Innovation, as part of the Recovery, Transformation and Resilience Plan for Spain funded by the European Union.

H2TRUCK has an eligible expenditure of more than 5.5 million euros and is being developed by a consortium led by FCC Medio Ambiente, comprising prestigious companies such as Irizar, Jema and Calvera, complemented by important public research organisations (OPI) such as Insia, Tecnalia, Cidetec and the National Hydrogen Centre. It should be completed by December 2023, with a possible six-month extension.

100% electric propulsion

The specific aim is to manufacture a prototype waste collector-compactor on a large-tonnage chassis-platform, with 100% electric propulsion, powered by a hybrid hydrogen cell and lithium-ion battery system that is completely environmentally friendly, with the ambitious objective that this hybrid chassis can be applied in the future to any equipment or machine that provides urban services, regardless of the number and arrangement of axles or the bodywork installed on it.

In addition, a mobile hydrogen compression station will be developed that will allow the prototype vehicle to be refuelled anywhere, and therefore be able to work and be tested in any location.

Funded by the European Union
NextGenerationEU
CDTI
@CDTIoficial
Plan de Recuperación, Transformación y Resiliencia

INTERVIEW

Antonio **Bravo**

Machinery Manager of FCC Medio Ambiente



How has the company progressed in recent years in this type of projects and in the implementation of more sustainable vehicle fleets?

Sustainability in urban services is one of the pillars of FCC Medio Ambiente identity. Precisely one of the commitments of our 2050 Sustainability Strategy is that by that year 100% of the fleet will be made up of vehicles with an Eco or Zero environmental label.

More than 45 years ago the company developed the first 100% electric vehicle for urban waste collection. Today, more than 15% of our vehicles are powered by clean or alternative energies to oil. Many of these vehicles have been developed as a result of innovation projects carried out internally or by leading consortia with the most prestigious industrial companies in the country.

In 2015 we started a project, partly subsidised by the CDTI, to develop the first 100% electric fleet for the cleaning and maintenance of Barcelona's sewage system. Thirteen 100% electric heavy-duty vehicles were custom-developed, some of them with up to 400 kWh batteries, which are still in service to date.

Another example is the VEMTESU project, developed through a consortium led byFCC Medio Ambiente and made up of large companies, SMEs and public research bodies, to design and manufacture the first 100% electric chassis-platform for heavy urban service vehicles. The project was awarded a prize at the Smart City Expo World Congress in Barcelona in 2019, and also at the 2019/2020 edition of the EBAE Awards. This chassis was already developed to incorporate a hydrogen fuel cell with minor structural changes.

What motivated the company to develop the project and how did it come about? Does it lay the foundations for the future?

Innovation is in FCC Medio Ambiente DNA, and has always had the fundamental support and impetus of the company's management. In recent decades we have focused our initiatives on electromobility, with high-capacity batteries sized specifically for the services the vehicles provide, sometimes using low-emission range extenders.

Undertaking this new fuel cell heavy collector project will allow us to achieve greater autonomy with Zero Emissions technology. Another fundamental reason, in the context of the energy crisis in Europe, is that hydrogen is emerging as an alternative energy vector.

What does it mean to work on a project like this together with other prestigious companies, how has each one influenced the other and how has it been carried out?

To develop a large-scale project such as H2TRUCK, we are working with companies, Public Research Bodies (PRIs) and top-level technology centres.

FCC Medio Ambiente, and specifically my department, is proud to be part of this consortium and to lead it.

How does FCC Medio Ambiente contribute to reducing its environmental impact with H2TRUCK and its own strategy?

The new development of a heavy collection truck with a hydrogen fuel cell is fully aligned with FCC Medio Ambiente Sustainability Strategy, as we have already mentioned. In this ambitious business development plan, we are committed to the progressive reduction of greenhouse gases (GHG) and to reaching climate neutrality by 2050.

The H2TRUCK project will allow us as a company to remain at the technical forefront in the provision of environmental services.

What is the biggest challenge of this project?

The key to the project is the development of applied technology that allows us to meet the requirements and specifications of the collection vehicle in terms of performance, autonomy and features, without losing sight of the economic aspects, such as affordable energy and vehicle manufacturing costs. To this end, it is essential that all components are correctly dimensioned. Another challenge will be the supply of hydrogen at the location where the vehicle is to be operated.



Technology to preserve the world's largest source of freshwater: aquifers

> "The company invests in technology and innovation with the aim of achieving efficient water management, and provides administrations and citizens with smart solutions that enable greater control and more sustainable consumption"

According to current UNESCO data, groundwater accounts for approximately 99% of all liquid freshwater on Earth and accounts for half of all water abstracted for domestic use. For rural areas, groundwater is crucial, as more than 90% of the population in these areas do not receive water through supply systems.

Groundwater is decisive for the proper functioning of ecosystems, so it is urgent to protect it from overexploitation and to use it sustainably in order to survive climate change and meet the needs of a constantly growing population. In this regard, Aqualia has been working for years on the development and implementation of technologies that optimise the performance of the water distribution networks and, consequently, favour the recovery of the aquifers, through solutions that guarantee the efficient, safe and environmentally friendly supply and treatment of water.

Eco-efficiency in the complete water cycle

The activities of the complete water cycle are integrated into the natural environment, so that care for the environment is intrinsic to the day-to-day management of these services and requires responsible actions for the protection and recovery of ecosystems. Aqualia is successfully carrying out actions aimed at optimising the management of the facilities and the use of water

Aqualia is working on the recovery of the Medina del Campo lagoons (Valladolid).



Aqualia has modern control and communication systems, powerful machinery and state-of-the-art industrial facilities for the management of the complete water cycle.

resources, which have resulted in a significant reduction in the water captured from the aquifers.

The company invests in technology and innovation with the aim of achieving efficient water management and provides administrations and citizens with smart solutions that enable greater control and more sustainable consumption. Thanks to the development of its own monitoring and measurement programmes, integrated in the Aqualia LIVE modular integrated management platform, the company has increased the efficiency of the water distribution networks it manages globally by two points. The digitalisation of these processes allows Aqualia to collaborate with public administrations to solve the problem of leaks in the water distribution networks posed by the European Directive 2020/2184, relating to water intended for human consumption

Examples of ecosystem protection

Seawater Desalination Plant in Santa Eulària (Ibiza)





- A 20% reduction in unregistered water compared to the previous year, which means a saving of 300,000 m^3, equivalent to 120 Olympic swimming pools or 30,000 water tankers.
- The use of desalinated water has made it possible to stop extracting 1.3 million m^3 from the aquifers, in line with Aqualia's firm environmental commitment to the gradual regeneration of the aquifers.

VIDEO

Mar de Alborán desalination plant (Almería)

- The development of the Mar de Alborán desalination plant, in collaboration with the irrigators of Almeria, will enable the recovery of the aquifers thanks to the water from the new desalination plant that Aqualia is building.
- The project includes a renewable energy plant to power the facility, making it more sustainable in order to preserve the environment in which the desalination plant is located, the Cabo de Gata-Níjar Natural Park.
- During 2021, the Andalusian Regional Government included the Mar de Alborán desalination plant in the 2021-2027 Hydrological Plan as a source of water supply for the area. Thanks to this and the 20 hm^3 per year that the desalination plant will provide, a more rational management of the water from the wells will be possible, which will enable the recovery of groundwater in the area.

VIDEO

Wastewater Treatment Plant in Medina del Campo (Valladolid)

- Aqualia is carrying out the MARadentro project to build a 400 m^2 infiltration system for the advanced treatment of treated water and its reuse in aquifer recharge. Although recharge management has been used for decades, there is insufficient knowledge of the purification mechanisms and the microbiology involved in the process.
- Aqualia's objective with this project is to reduce pressure on water resources by developing innovative techniques and operational guidelines for better management of water reuse through low-cost treatment. In addition, the design and operation tool aims to avoid the occurrence of pathogens, nutrients and organic pollutants in the water used for reuse.



Towards **sustainable development**

Integrated water cycle management remains one of the key factors for success on the road to sustainable development. The UN declared 2018-2028 as the International Decade for Action "Water for Sustainable Development". This provides society with a framework for action to accelerate the achievement of SDG 6 - Clean Water and Sanitation, and its respective targets, by joining efforts to address water-related challenges and thus the rest of the goals of the 2030 Agenda.

Sustainability as a cross–cutting issue

The company has recently presented its 2023 Strategic Plan, in which it integrates sustainability as a cross-cutting aspect. Thus, Aqualia addresses its commitment through measurable and quantifiable objectives that allow its contribution to the 2030 Agenda to be known. One of the strategic lines defined in the plan is climate emergency and care for the environment.

First company in the sector to be **certified for achieving the SDGs**

The raison d'être of Aqualia, the first company in the sector to be certified by AENOR in the achievement of the Sustainable Development Goals (SDGs), is the protection of water as an essential element for the progress and development of societies. By integrating these objectives in the core of its business strategy, the company collaborates in the generation of solutions, measures and concrete actions that facilitate the achievement of the 2030 Agenda for a better planet and leaving no one behind.

V Edition

Awards LIVE Healthy

FCC is launching the **fifth Edition of Safety and Health Awards -LIVE Healthy-**, with which it aims to make visible and recognise the work, dedication and value that the organisation and the people who make up the organisation place on the prevention of occupational risks and the promotion of health in all areas of action.

You can participate in any of the **following categories**:

- **Prevention of Risks at Work**
- **Promoting Health and Wellbeing**
- **Personal Career Achievement**

For more information, **download the Bases in ONE** or **download them** through the **following link.**

live healthy

FCC´s commitment to people wellbeing.

FCC

FCC holds its IV Children's Road Safety Education Day in collaboration with the Alcobendas City Council



FCC, in collaboration with Alcobendas City Council, organised the 4th Children's Road Safety Day, a family road safety education activity for children between the ages of 7 and 12, which took place on Saturday 25 June 2022 at the Alcobendas Road Safety Education Park. The event took place over the course of the morning, with fun and educational activities on road safety for children and family members of FCC employees.

The children's programme was structured in two parts: a theoretical module lasting about an hour, which aimed to raise awareness of proper behaviour on the roads as a pedestrian, traveller and bicycle driver, and a practical module that took place on the park's circuit, with routes on foot, by bicycle and in go-karts, vehicles provided by the park to carry out the activity and experience a real traffic and circulation situation. Both actions were led by the Alcobendas Local Police.

This experience, which is part of the FCC Group's Corporate Wellbeing and Responsibility objectives, aims to raise awareness of the importance of road safety education in a close and familiar context, while sharing a relaxed and entertaining time with colleagues from the Group's companies and their families.

FCC Construcción begins development of the **PRACAN Project**

An innovative active robotic platform for the identification, control and monitoring of carcinogenic agent risks



Asbestos microfibres, which can be found in asbestos cement structures, are classified as a toxic material.

Cancer is currently one of the main causes of death in the world and represents one of the groups of diseases that generate most concern among citizens.

In the workplace, the prevention of its development at source is key, taking into account the existence of agents considered carcinogenic in many industrial processes. The regulations on carcinogenic agents indicate that, whenever possible, the substance should be replaced by another that is free of risk. Where this is not possible, it must be ensured that the substance is manufactured and used in a closed system. If none of the above is possible, companies must ensure that the level of exposure of workers is reduced to a value as low as technically possible, and always below the limit value laid down in the regulations.

Respirable crystalline silica and asbestos

Two of these occupational carcinogens are respirable crystalline silica (RCS) and asbestos.

Respirable crystalline silica (RCS) is present in materials commonly used in construction: aggregates, ceramic materials, cement, concrete, etc. Its harmful effects were included in the list of occupational diseases in 2018 and it has been classified as a carcinogenic substance in 2020 in Spain.



Crystalline silica is a natural component of quartz, which is found in different materials used in construction.

Asbestos was a material widely used in construction during the 20th century, until its use was banned in 2002.

Currently, once the risk of exposure to a harmful chemical substance has been identified, a risk assessment is carried out, which involves taking samples in situ and subsequent laboratory analysis. Measures are then put in place according to the results of the assessment. In the specific case of asbestos, a work plan must be drawn up and submitted to the labour authority before work is carried out.

Prevention of occupational risks

Research to obtain effective methods that can estimate the presence of toxic substances in real time in order to establish control and prevention measures is of vital importance.

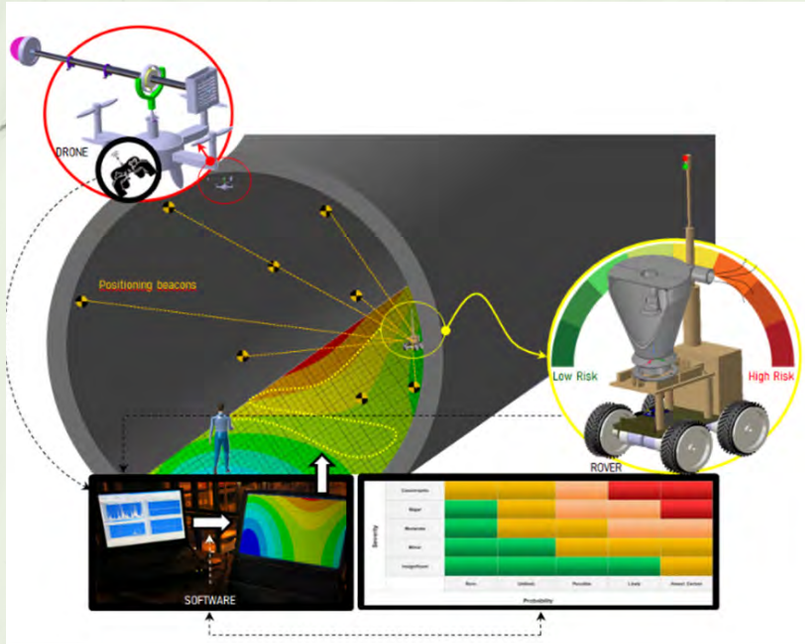


> In the workplace, preventing the development of cancer at the source is essential, taking into account the existence of agents considered carcinogenic in many industrial processes

The general objective of the PRACAN project is to improve occupational risk prevention activities in construction environments by developing an innovative active robotic platform for the identification, control and monitoring of carcinogenic agent risks.

This platform will be based on a set of mobile nodes, one terrestrial and one aerial, with the capacity to identify/estimate carcinogenic agents, specifically asbestos and respirable crystalline silica (RCS), and a system that allows alerts and recommendations to be established, supporting the decision-making process of ORP technicians in situations of risk of the carcinogenic agents considered.

Key project innovations



Digital prototype of the operation of the new PRACAN platform.

- To determine by means of a rapid mechanism whether existing materials on a construction site contain asbestos, carrying out the characterisation without risk to the health of workers. This procedure includes remote checks and an alert system.

- Estimation and mapping of the risk of inhalation of respirable crystalline silica, allowing greater effectiveness in reducing the risk by having a map of affected areas, which is updated in real time.

FCC Construcción's role as promoter of the project is to establish the starting point, in relation to the analysis of occupational risks in these two carcinogenic agents, and the definition of the requirements and technical specifications in line with the objectives to be achieved. FCC will participate in the design of the software application and will carry out the operation and validation test at its work centres.

Cement activity is perfectly **compatible with the health and well-being** of workers and neighbours



In the centre, Rocío Blanco, Regional Minister of Employment, Training and Self-Employment of the Andalusian Regional Government, with representatives of the cement sector of the autonomous community.

The Andalusian cement sector, made up of the Andalusian Cement Manufacturers' Association (AFCA), which includes the companies FYM-HeidelbergCement Group, LafargeHolcim España, Votorantim Cimentos España, Cemex España and Cementos Portland Valderrivas; and the two most representative trade unions, CC. OO. del Hábitat Andalucía and FICA-UGT Andalucía, has always been fully committed, not only to the creation of value and quality employment, but also to the environmental and human health aspects, both of its workers and of the people who live around its factories.

In the context of the 6th agreement for the energy recovery and sustainability of the Andalusian cement industry, signed by the sector's employers and trade unions on 18 September 2019, in the presence of the president of the Andalusian Regional Government, it was agreed to draw up a report analysing the impact on the health of the cement sector in Andalusia. This report, prepared by the independent consultancy firm INERCO, was publicly presented at an event chaired by Rocío Blanco, Andalusian Regional Minister for Employment, Training and Self-Employment, and attended by representatives of AFCA, CC.OO. del Hábitat Andalucía, UGT-FICA Andalucía and FLACEMA.

The report, which has been drawn up according to the criteria established in the guide published by the Ministry of Health and Families of the Andalusian Regional Government for the evaluation of the impact on health of projects subject to environmental prevention and control instruments in Andalusia, has focused on the analysis of very diverse factors, such as noise, traffic and mobility, air quality, etc.

Consolidating preventive management

The most important conclusion of the study is that there is a compatibility between individual and collective health and wellbeing and the activity of cement plants in Andalusia. The representative of the Junta de Andalucía praised the climate of understanding between the companies and trade union representatives of the cement sector in Andalusia and congratulated them on the main conclusion reached by the report. The business and trade union representatives agreed that the compatibility between cement activity, people's health and respect for the environment is a guarantee for the maintenance of the industry and the employment generated.

The Regional Minister of Employment, Training and Self-Employment, Rocío Blanco, assured that trade unions and employers in the cement sector in Andalusia are giving "an example of how social dialogue, consensus and social responsibility contribute to progress and improvement", especially in a situation like the current one, in which energy costs or the transport strike are putting Andalusian factories in a difficult situation. Rocío Blanco took advantage of her speech at the presentation ceremony to explain that the 3rd Action Plan of the Andalusian Strategy for Health and Safety at Work has already been launched, after having reached an agreement within the Andalusian Council for the Prevention of Occupational Risks. This plan, she added, will be valid for two years and includes up to 91 actions with a total budget of 17.7 million euros aimed at improving health and safety conditions in companies and consolidating preventive management.



Recognition to Aqualia for its preventive work at the 10th edition of the Asepeyo Awards

Aqualia has been recognised for its preventive track record at the 10th edition of the Asepeyo Antoni Serra Santamans Awards for best preventive practices. These awards, organised by the mutual company, aim to recognise those associated companies that have stood out for their results in terms of occupational risk prevention.

Juan Luis Castillo, director of Zone II of Aqualia, received the award from José Mª Juncadella, president of Asepeyo, at the awards ceremony, which was held at the Museu Marítim in Barcelona.

Asepeyo awards Aqualia this distinction for its application of comprehensive People and Culture policies through the Be Aqualia project. This initiative includes different aspects such as the improvement of the culture of prevention, physical and emotional health, diversity, the promotion of healthy habits and professional commitment.



On the left, Juan Luis Castillo, Director of Zone II of Aqualia; and on the right, José Mª Juncadella, President of Asepeyo.

The Community of Madrid recognises FCC Medio Ambiente and Aqualia's **"Good Practices for the prevention and control of COVID–19"**



FCC Medio Ambiente and Aqualia received awards at the ceremony for the 2021 Occupational Risk Prevention (ORP) Recognitions and Mentions for "Good Practices for the prevention and control of COVID-19 in companies" by the Regional Institute for Occupational Safety and Health of the Community of Madrid.

This special mention was received in the category of 'Companies with more than 50 workers'.

The ceremony took place at the headquarters of the Community of Madrid, where Francisco José Huete, FCC Medio Ambiente's Management Systems Manager, and Santiago Lafuente, Aqualia's Spain Manager, accepted the award from Alfredo Timermans, Deputy Minister of Employment of the Community of Madrid.

Southeast Regional Park (Madrid)

A journey through its **ecosystems**

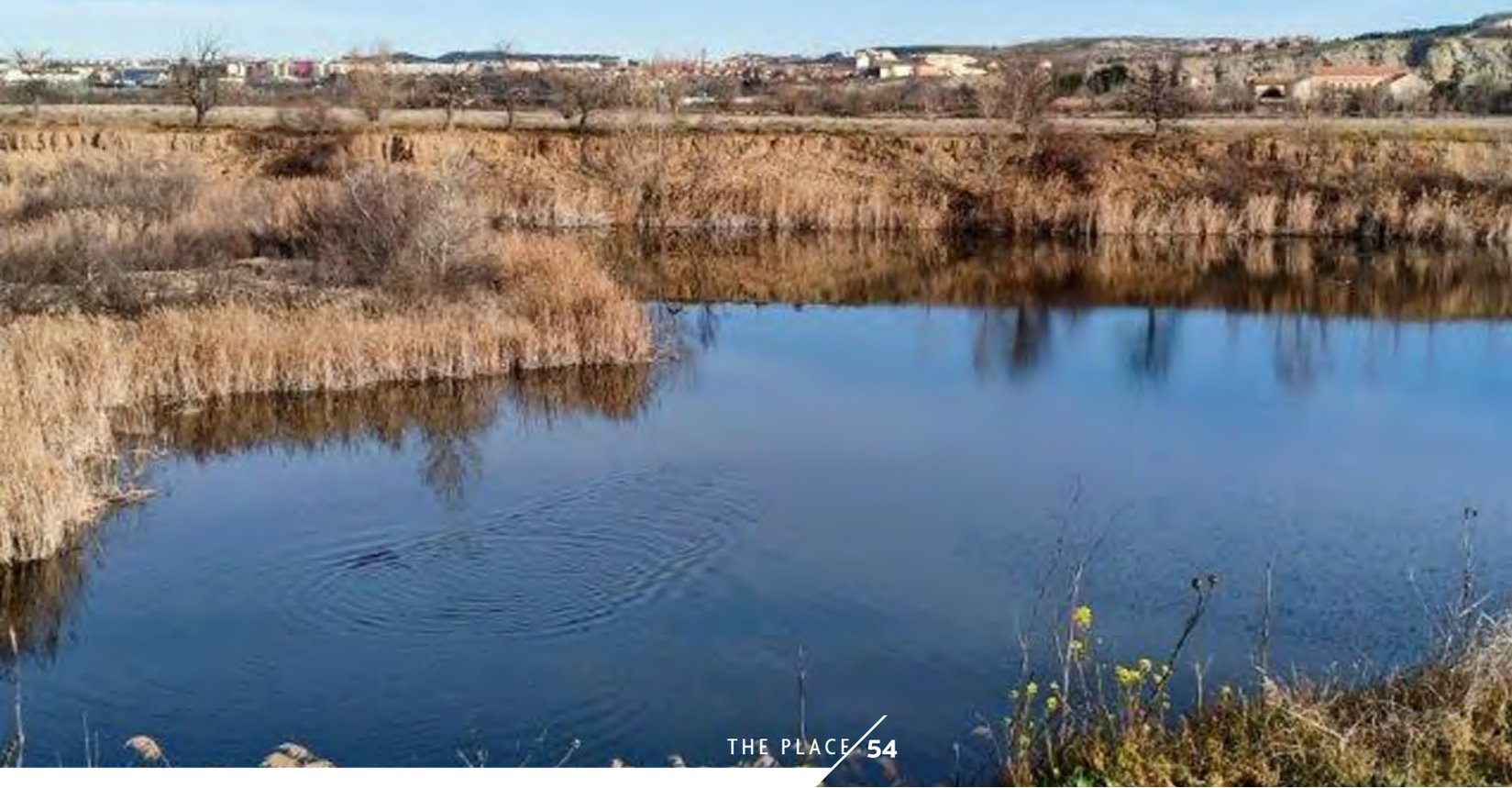
One of the most important natural ecosystems in the Community of Madrid can be found around the lower reaches of the Manzanares and Jarama rivers due to its great wealth of fauna and flora, creating a great diversity of habitats thanks to its climatic, orographic and hydrological characteristics.

The Southeast Regional Park is one of the richest and most interesting geographical entities in the Community of Madrid in terms of biodiversity. It cannot boast of being surrounded by large mountains, but it does boast a variety of environments, from hills, cliffs and gypsum steppes, the result of the evaporation of water during the Miocene; to riverbanks, lagoons, wetlands; or fertile unirrigated cereal plains.

This park is made up of an infinite number of plant formations and a great diversity of fauna, including both aquatic and steppe birds. Its total surface area is 31,552 hectares, covering a total of 16 municipalities along the lower course of the Jarama river and its tributaries, Manzanares, Henares and Tajuña.

It is a peculiar environment whose physical, biological, social and economic factors are the opposite of those found in other mountainous areas in the north of the region.

The presence of human beings in the park since prehistoric times is reflected in a rich archaeological, palaeontological and ethnological legacy that has survived to the present day and coexists with the nearby population centres. Unfortunately, and due to the use of pesticides or harvesting machines, human activity has gradually degraded the territory and its habitats. For this reason, ecological restoration and environmental improvement work is currently being carried out with the aim of reducing the impact on the land and the fauna community.



The dominance of the aquatic environment

Water, omnipresent, is undoubtedly the element that determines the character of the Southeast Regional Park. Rich meadows, in line with the riparian forests, 123 wetlands and lagoons, over more than 400 hectares, form a significant part of the landscape. Many of these lagoons are the result of the extraction of aggregates below the water table for decades, in areas close to the river banks.

Among the species that inhabit this environment of high ecological value, recognised as a Special Protection Area for Birds, are the purple heron, the little bittern, the marsh harrier and the Purple Gallinule, as well as coots and coots.

As for the vegetation present, these lagoons are made up of certain trees such as poplars, willows, poplars and tarays; and bushes or plants such as reeds, cane and bulrushes.

Some 120 different species feed on the flora of the banks or on the fish or amphibians, such as the spotted toad, which inhabit these aquatic environments. It should be noted that the ecological importance of the lagoons also led to their inclusion in the Natura 2000 network.

On the other hand, at least 50% of the territory occupied by the Southeast Regional Park is cultivated with crops, especially maize, although this environment is also made up of forests dominated by pines and kermes oaks, accompanied by holm oaks and gall oaks. When night falls, eagle owls can be seen along with owlets, owls and the common curlew. On the other hand, and at any time of the day, the great bustard or the red kite also make their appearance.

As for the terrestrial fauna, you can find all kinds of mammals such as rabbits, hares, foxes, badgers, wild boars and small rodents; and reptiles such as the ocellated lizard, the ashy lizard, the leper pond turtle and the snake.

Finally, we must also highlight the invertebrate fauna, with a great diversity of species, especially insects, some of them recently discovered.

Master class on biodiversity in El Porcal

Within the Southeast Regional Park is the El Porcal estate, a former silica aggregate mining operation with an area of 459 hectares, where the Cementos Portland Valderrivas Group developed its production activity, close to the municipality of Rivas Vaciamadrid. After years of effort and investment in environmental restoration, El Porcal was declared a protected area in 1994, and included as a biosphere reserve of the Community of Madrid. It is also the largest lagoon in the region.

Several students enrolled in the Research and Management of Protected Areas course of the Master in Conservation Biology, taught by the Complutense University of Madrid, recently visited the site, where they received a master class on the conservation and development of fauna and flora from the Naumanni Ecological Association. Species such as the great crested grebe, the beetle-wasp, the common crested toad and the otter, as well as others as unique as the great cormorant and the red-crested pochard, unfortunately threatened, enrich the biodiversity of this area.



ROUTES THROUGH THE PARK

Sustainability Committee meeting at Las Lagunas de El Porcal



The heads of the business and corporate areas that make up the FCC Group's Sustainability Committee, together with Javier López-Galiacho, Compliance and Sustainability Manager (centre) at El Porcal.

At the beginning of June, the FCC Group's Sustainability Committee, made up of the heads of the company's different business areas and those corporate units linked to sustainability, visited this unique natural biodiversity protection area managed by Cementos Portland Valderrivas to hold one of its regular meetings, as biodiversity protection forms part of the company's sustainability strategy.

Highlighting the value of the projects

Carlos Alonso, Director of Safety, Occupational Health and CSR at Cementos Portland Valderrivas, welcomed the participants and presented the event. This was followed by a guided tour of the lagoons, led by Manuel Fernández, coordinator in El Porcal of the Naumanni Association of Naturalists, which environmentally manages this highly protected natural area for its flora and fauna.

After the visit, which pleasantly surprised the attendees with its beauty and the great ecological value of the lagoons, the committee meeting took place, chaired by Javier López-Galiacho, FCC Group Compliance and Sustainability Director, who highlighted the return to face-to-face meetings after the pandemic, announcing to the committee members other visits to places of environmental interest in the FCC Group's business areas, to learn directly about their sustainable management, and at the same time encouraging networking among the different corporate and area sustainability teams.

In addition, during the Committee meeting at El Porcal, issues of relevance to the Group were also addressed, such as the project to draw up FCC's environmental taxonomy by 2022, which is required by European regulations and aims to measure the Group's quantum of activity linked to the objectives of mitigation, adaptation and alignment with the EU's climate change objectives.

FCC's participation in and reporting to the Carbon Disclosure Project (CDP), which manages the global disclosure system for stakeholders on our environmental impacts, especially greenhouse gases, was also analysed. The meeting was also used to report on the programme of actions planned for the second half of the year, and lastly, the different projects of the business areas in the area of sustainability were presented and assessed, as well as the work of the corporate HR team.

At the end of the event, and in the refurbished facilities of El Porcal, as part of its improvement to convert it into a nature interpretation centre for schools and visitors, the Sustainability Committee was offered a simple cocktail served by the Juan XXIII Foundation, as part of its work for the social and occupational inclusion of people with intellectual disabilities.

VIEW THE DISPLAY

The President of the Community of Madrid visits El Porcal, owned by the Cementos Portland Valderrivas Group, a biosphere reserve of the Community of Madrid







The President of the Community of Madrid, Isabel Díaz Ayuso, visited El Porcal, an estate owned by the Cementos Portland Valderrivas Group, included as a biosphere reserve in the Community of Madrid and the most important wetland in the region.

Díaz Ayuso, accompanied by senior officials from the Department of the Environment, was interested in the Preservation and Conservation Plans carried out over the last 30 years.

Alicia Alcocer Koplowitz and Pedro Carranza Andersen, president and CEO of the Cementos Portland Valderrivas Group, and Pablo Colio Abril, managing director of the FCC Group, presented the results of the environmental strategy applied to the estate to the delegation from the Community of Madrid.

43 hectares

El Porcal covers an area of 43 hectares, and one of the most important natural ecosystems in the Community of Madrid has been developed there. It is located in the municipality of Rivas-Vaciamadrid, in the heart of the Southeast Regional Park of Madrid, at the confluence of the Jarama and Manzanares rivers, just 40 kilometres from the capital.

In its beginnings, back in 1971, it was an authorised gravel pit for the exploitation of gravel and sand resources. Until 2008, aggregates were obtained from the estate for the construction and development of infrastructures, as well as for supplying other large industries such as cement, glass and paint, among others.

As a result of the extractive works, 10 large lagoons were created together with other smaller ones which, over time, have become the most important wetland in the Community of Madrid. For this reason, today it is included in the catalogue of protected areas of the Regional Park of the Southeast of Madrid, and at European level, due to its singular interest, within the NATURA 2000 network.

For the conservation of the estate, the Cementos Portland Valderrivas Group has an agreement with the Naumanni Naturalists Association, which has been taking care of it for more than three decades.

Species living in this environment

- It is home to 184 vertebrate species; 17 species of mammals, including the badger and the otter, carnivores that are becoming increasingly rare in the autonomous region.
- 147 species of birds, 15 of which are listed in the Regional Catalogue of Threatened Species.
- The white-headed duck is nationally threatened and 10% of the national population breeds in El Porcal.
- The red-crested pochard has the only breeding population here in the Community of Madrid, with more than 40 pairs.
- The purple heron has the largest breeding colony in the region with more than 45 pairs. Other interesting species are the moustached heron, a small bird of the reed beds, and the marsh harrier with 12 breeding pairs.
- There are also 14 species of amphibians and reptiles, such as the common toad or the leper pond turtle, both protected, 6 species of fish and one species of insect, the plagionotus marcorum, a species endemic to the Iberian Peninsula.
- It is also home to the only population of glaucium flavum in the Community of Madrid, a species of yellow poppy, classified as a priority habitat in the European Union.

FCC Environment **installs new hives for bees and other insects** in Poland and United Kingdom

With the commemoration of World Bee Day, and following its implementation at the Zistersdorf waste-to-energy plant in Austria, FCC Environment has extended the creation of new shelters for bees and other insects in Poland, in the towns of Zabrze, Tarnobrzeg and Biala, as well as in Buckinghamshire (United Kingdom).

These pollinating insect hotels are made by reusing and adapting old organic waste containers, while giving a second life to recycled or natural materials to create the interior of the shelters.

FCC Environment CEE, which will continue to carry out such sustainable activities throughout the summer and autumn, has planned to plant a new flower meadow in Zabrze and install three additional shelters in the aforementioned cities. In addition, the company is also preparing for the beehive chain to grow further with the implementation of the project in other countries.



Poland



Tarnobrzeg

Following the planting of a meadow in 2021, the new bee and insect hotels have been installed in the Tarnobrzeg Recycling Park. FCC's team in the Polish town has experience in offering comprehensive services in the maintenance of green areas.



Zabrze

The bee and insect hive at this Polish site is located in the Silesian Recycling Park. The pollinators feed on the mirabelle and dandelion flowers that cover the meadow, while enriching the biodiversity present in this facility.



Biała

The Młynisko Wieś landfill, which stores hazardous waste containing asbestos, also houses a new insect hive in a peaceful setting surrounded by woods and meadows.

United Kingdom

Buckinghamshire

A beehive has been located at Aston Clinton Recycling Centre in Buckinghamshire as FCC Environment UK celebrates the start of a new five-year contract to manage nine Household Recycling Centres in the English town. The council and the company agreed with local charity Men in Sheds Amersham to help conserve biodiversity and improve insect life in the area by building these shelters.



Curiosities about **bees**



New research into bees has provided more information about their lifestyle and abilities. The species is considered to be one of the most amazing 'super-organisms' on the planet.

- In winter, bee colonies number around 5,000 individuals, and in summer, up to 60,000.
- In a hive there is a queen and 5-10% drones, which help to ventilate and heat the colony. The rest are worker bees.
- A drone comes from an unfertilised egg and has no father. It has only one set of chromosomes, so its genetic information is identical to that of its mother.
- Bees have special muscles that they use on purpose to produce heat. Some produce more heat energy than others, up to 3°C in the hive, while other members produce no heat at all.
- Bees can pinpoint their location to within 10 centimetres and, unlike humans, they can see ultraviolet light.
- Because bees have a different visual perception of colour - a colour shift towards blue in their spectrum - it means that they actually perceive red as if it were black.

FCC Construcción is committed to the implementation of BIM, **a new step towards digitalisation**

BIM Implementation Plan – Digital Construction 2022–2025



BIM planning on the A9 Badhoevedorp-Holendrech motorway project (The Netherlands).

FCC Construcción has a new BIM Implementation Plan - Digital Construction 2022-2025. As part of a strategy based on innovation and sustainability, the company continues to be committed to promoting digitalisation. Over the last few years, FCC Construcción employees have participated in projects being developed using the innovative BIM methodology, and they have been able to see how it enhances and improves functions.

Continuity to a pioneering plan

The BIM Implementation Plan - Digital Construction 2022-2025 gives continuity to a pioneering plan in the sector, developed years ago by the company. Particularly noteworthy is the commitment to the increasing use of technical-economic control tools, which must have continuity throughout the life cycle of the project.

In this sense, progress is being made in their implementation on sites, where BIM pilots will become the new way of developing FCC Construcción's activity. Key to this new approach will be obtaining UNE-EN ISO 19650 certification in 2022 for 'Organisation and digitisation of information in building and civil engineering works using BIM', which will make BIM and information management crucial to improving project management.

The integration of BIM (Building Information Modelling) and GIS (Geographic Information Systems) is proposed as an aid to all teams during construction (affected services, expropriations, permits, geotechnical campaign, noise effects, etc.), mainly in large linear works.

More transversal digitisation

In addition to promoting the implementation of platforms on construction sites that will improve productivity through the use of mobile devices, digitisation will become more transversal with the deployment of corporate control panels that, taking advantage of data from planning, budgeting, design, etc. applications, will facilitate analysis and decision-making.

This plan deals with digitalisation beyond BIM. The people who make up FCC Construcción must commit to their own transformation by trying to take advantage of the many tools available to them. This impulse must result in an improvement in processes and, ultimately, in greater work productivity.

The company is committed to the development of the plan, as well as to the various digital transformation initiatives it is currently developing.

Strategy and objectives

The new plan gives continuity to the current implementation, reinforcing certain areas and redirecting previous strategies where there is room for improvement. The general objectives of the implementation are:

- To promote, with the impetus of the company's directors, a digitalisation focused on people, through a philosophy of "leaving no one behind" and based on training and an appropriate communication strategy.

- Incorporate tools that facilitate work in all phases of the life cycle of people, progressively promoting the use of mobile devices for the management of works. New digital processes are defined that will facilitate the control of activity in the different areas, mainly in technical-economic control, as well as PRL, Quality, works/asbuilt documentation, etc.

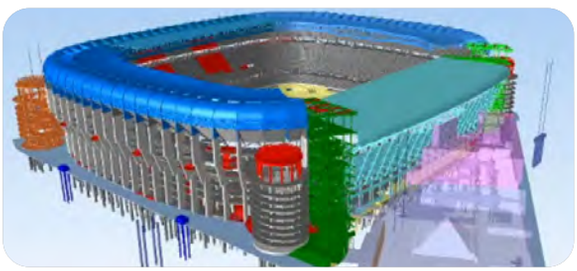
- To deploy a work system based on the new ISO 19650 (BIM) standard, replicable in all FCC Construcción projects, both national and international, which will also result in a gain in competitiveness, aligned with the new Document and Knowledge Management Programme (Alejandría).



BIM viewer, used in the review of projects by the users of a site.



Integration of BIM technology with the GIS geographic information system for project monitoring, management of affected services, permits or noise pollution.



Example of technical-strategic planning with BIM technology in the Santiago Bernabéu Stadium.

Final sketch of the Santiago Bernabéu Stadium Remodelling project (Madrid).



FCC Construcción gives out the **2020 and 2021 Fomento Awards**

FCC Construcción has presented the 2020 and 2021 Fomento Awards. The Fomento Awards are historic awards in the company, which have demonstrated its great technical and innovative strength.

In addition to the award winners, the ceremony was attended by the director of Spain, Portugal, Industrial Area and the director of Western Europe, as well as the general managers of Convensa and FCC Industrial.



Family photo with the heads of the award-winning projects in the Fomento 2020 and 2021 Awards.

Fomento 2020 Award

- **Fomento 2020 Building Award.** León Congress and Exhibition Centre Project, Area I, North Management.
- **Fomento 2020 Award for Civil Works.** Doha RLNEAG Metro, Area V, Catar Management.
- **Fomento 2020 Award for Innovation.** Grangegorman Façade Works, Area II, United Kingdom - Ireland Management.

Fomento 2021 Award

- **Fomento 2021 Award for Civil Works.** Madrid-Extremadura High Speed Train. Alcántara reservoir - Garrovilla section. Area I, Convensa Management.
- **Fomento 2021 Award for Innovation.** Parachuting Simulator Project. Area V, FCC Industrial.

Aqualia promotes internal talent at the first i4U Awards



From left to right, Jordi Palatsi, plant manager at the Lleida WWTP; Patricio Hermosilla, plant manager at the Medina del Campo WWTP (Valladolid); and Andrés Sanabria, foreman at Puerto de la Cruz (Canary Islands), winners of Aqualia's i4U Awards.

The search for talent and innovation within a company not only leads to having the best technology and the most cutting-edge processes for providing an excellent service to customers, but also strengthens the employees' commitment to the organisation and the brand. Under this premise, Aqualia presented the Aqualia Innovation Awards "i4U", an initiative aimed at developing internal talent and promoting an innovative culture among its employees, whom the company considers to be a pool of potential innovators throughout the world.

Patricio Hermosilla, Plant Manager at the WWTP (Wastewater Treatment Plant) in Medina del Campo (Valladolid), was the winner of this first edition of the awards. His proposal proposes taking advantage of the dehydrated sludge discharge pipe to the silo to carry out a thermal treatment by applying an insulating material to the pipe.

This new system will simplify the construction of a sludge treatment and sanitisation line. In addition, the idea has a high potential for implementation in those plants that, in view of the imminent legislative change, need advanced sludge sanitisation treatment to achieve the condition of "suitable" for agriculture.


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