we are

# FCC

nº 32 / 2024

roota

# Innovation and intrapreneurship

**Building from the roots to find innovative routes that allow us to grow and feed back**

# we are FCC

nº 32 / 2024



Welcome to the new FCC Environnement team from France



We meet Convensa's female talent



FCC Group committed to the populations affected by the cut-off low



The FCC Group and three of its business areas seal their commitment to the Diversity Charter



FCC Environment CEE on the road to "Green Events"



The Mar de Alborán desalination plant begins to supply water to irrigators in Campo de Níjar and Almería




FCC holds the third innovation day promoted by its Digital Innovation Lab

# Christmas greetings from the Chairwoman and CEO of the FCC Group

On this special occasion we would like to thank you for the effort and commitment you have shown throughout 2024, and we encourage you to continue with the same enthusiasm in the New Year that will soon begin.

We wish you Merry Christmas and a happy and healthy 2025.

A big hug, which we would like to extend to your families and loved ones.

Esther Alcocer Koplowitz
Chairwoman of the FCC Group

Pablo Colio Abril
CEO of the FCC Group



2024

# *Do what matters, make it matter*





This is our resolution, and you make it a reality through your daily commitment. Because action is the only way to **make changes happen**.

During this time of the year, we prioritise doing what matters, we send each other greetings, we help each other, we share well-wishes, we show affection and we also keep our sustainable lifestyle very active.

## *Do you celebrate sustainably?*

**Let it show!** We want to invite you to show how you do it, because no action is small if the cause is great.

You can get ideas from our catalogue of actions that matter, where the objects reflect those everyday actions that add up so much.

Which ones do you have and how many are you asking for?




1. I get around on foot, on a scooter or by bicycle whenever I can.
2. I choose to cook at home and avoid pre-made and packaged food.
3. For gift wrapping, I opt for fabrics and recycled materials.
4. I create my own gifts so they are unique and sustainable.
5. I use reusable bottles to reduce plastic waste.
6. I use reusable bags for my Christmas shopping.
7. I use steel or silicone straws for my drinks.
8. At home, I use LED lights to decorate everything, including the tree.
9. I donate and buy second-hand toys.
10. I use leftovers and keep them in Tupperware containers.
11. My tablecloths and napkins are always cloth- made.
12. I support local businesses by shopping at my neighbourhood market.

Inspire other people to make it matter.

# *Merry Christmas!*

Share the greeting



**Premios Fidelidad 2024**

# FCC recognises the careers of employees who have been with the company for **40 and 25 years**

The FCC Group presented the Fidelity Awards to people who have been with the company for 40 and 25 years at a ceremony held at the Las Tablas corporate headquarters in Madrid. The ceremony was presided over by Esther Alcocer Koplowitz, chairwoman of the FCC Group, and Pablo Colio Abril, CEO of the company, accompanied by Íñigo Sanz, CEO of FCC Servicios Medio Ambiente, and Santiago Lafuente, CEO of Aqualia.

Esther Alcocer Koplowitz addressed some emotional words to all those present, offering her most sincere congratulations to the award winners, thanking them for their work and effort over the years, "today is a happy day for our company. Moments like this help us to reconcile ourselves with the best of the Group, which is you".

Pablo Colio then congratulated the honorees, saying that "rewarding loyalty means valuing the perseverance and effort of each one of us", and he thanked all the award winners for having been part of the FCC Group family for so long with impetus and passion.

After both speeches, the Fidelity Awards were presented to recognise the careers and work of those professionals who have dedicated 40 and 25 years to the company. A total of 69 people received the award, in recognition of their talent, effort and dedication to FCC. In addition, a further 81 people in different cities and towns where the company operates through its business areas also received awards. Specifically, a total of 150 workers belonging to the FCC Group received this recognition.

# Esther Alcocer Koplowitz attends the **Princess of Asturias Awards**

The chairwoman of the FCC Group, Esther Alcocer Koplowitz, once again attended the official Princess of Asturias Awards ceremony on behalf of the FCC Group, a trustee of the Princess of Asturias Foundation.

Their Majesties the King and Queen, accompanied by Their Royal Highnesses the Princess of Asturias and the Infanta Sofía, presided over the solemn awards ceremony, held at the Campoamor Theatre in Oviedo, in the presence of Her Majesty Queen Sofía.

The ceremony is considered one of the most prestigious cultural events in Spain. Throughout its history, these awards have received various recognitions, such as the extraordinary declaration made by UNESCO in 2004 for its exceptional contribution to the cultural heritage of humanity.



### Princess of Asturias Foundation

The Foundation organises these awards every year with the aim of recognising the scientific, technical, cultural, social and human work carried out by individuals, institutions, groups of people or institutions in the international arena. This year, Esther Alcocer Koplowitz has been a member of the Jury for the Princess of Asturias Award for Concord 2024.

## Awarded

- Joan Manuel Serrat, Princess of Asturias Award for the Arts
- Marjane Satrapi, Princess of Asturias Award for Communication and Humanities
- Carolina Marín, Princess of Asturias Award for Sports
- Michael Ignatieff, Princess of Asturias Award for Social Sciences
- Ana Blandiana, Princess of Asturias Award for Letters
- Organización de Estados Iberoamericanos para la Educación, la Ciencia y la Cultura (OEI), Princess of Asturias Award for International Cooperation
- Daniel J. Drucker, Jeffrey M. Friedman, Joel F. Habener, Jens Juul Holst and Svetlana Mojsov, Princess of Asturias Award for Technical and Scientific Research
- Magnum Photos, Princess of Asturias Award for Concord





# Esther Koplowitz receives an **award for inclusive leadership**



Presentation of the award to Esther Koplowitz, for her commitment to the most vulnerable people and her promotion of scientific and biomedical progress.

Esther Koplowitz's social contribution has been recognised at the 7th Diversity, Equity and Inclusion (DE&I) Awards, organised by the Adecco Foundation and the Sustainability Excellence Club. During the event, held under the honorary presidency of Their Majesties the King and Queen of Spain, the businesswoman and philanthropist received an honorary award in the category of "inclusive leaders" for her commitment to the most vulnerable people and her drive for scientific and biomedical progress.

Through the Foundation that bears her name, Esther Koplowitz has channelled her work, which has been marked by actions that improve the quality of life of vulnerable groups such as the elderly, people with disabilities and mental health problems. This work was highlighted by Enrique Sánchez and Francisco Mesonero, from the Adecco Foundation, who highlighted her legacy of solidarity and her ability to inspire others with high-impact initiatives. In addition, Juan Alfaro, from the Club of Excellence at Sustainability, stressed that "Esther Koplowitz has become a benchmark of humanity, with a commitment that transcends the symbolic and leaves a tangible mark on the lives of the people who need it most".

### Thank you speech by Esther Koplowitz

Esther Koplowitz expressed her gratitude for the award, noting that this recognition belongs to all those who have worked alongside her to build a fairer and more inclusive society. "It is an immense honour to receive this recognition, which is not only for me, but for all the people and teams who have shared this path with me, dedicating their time, talent and effort to building a more inclusive and humane future.

In addition to this honorary award, the DE&I Awards recognised five outstanding companies in this field: FCC Medio Ambiente, Ocado Technology, La Casa de Carlota, Lar España and Endesa.

# Welcome to the new **FCC Environnement France team**

In mid-2024, FCC Servicios Medio Ambiente completed the acquisition of the French company Europe Services Groupe (ESG), which has since been integrated into the French brand FCC Environnement. We would like to welcome all the ESG people who join FCC Servicios Medio Ambiente and make them feel at home as soon as possible.



## Olivier **Malet**

Director of FCC Environnement

"When I took over as director of FCC Environnement in France, I discovered a company with solid values and a strong culture. The teams, involved and present for a long time, bring a precious wealth. Together we will carry forward our common values and achieve new successes".

*"Let's take on ambitious challenges and build our collective success.*



## Miguel **Manzano**

Director of Administration and Finance

"Since my arrival, I have clearly perceived that the strength of the company lies in each member of the team, who always gives the best of themselves with tenacity, perseverance and effort, which are the key ingredients for the success of a company".

*"Let us rewrite our future together with pride, combining the strength of our experience".*



## Jaques **Berson**

Director of Studies

"Open communication with the General Management of FCC Environnement has enabled an orderly transition. Both work cultures are mutually adapting in a positive way, thus contributing to maintaining and reinforcing the smooth running of the company".

*"Let's encourage the orderly integration of both work cultures to build a collaborative and efficient environment".*



## Cécile **Charpentier**

Human Resources director

"The acquisition of ESG by FCC Environnement marks an important turning point in the history of our company. This change opens the door to new and exciting opportunities for all team members, especially at the international level. The synergy between the ESG core values and the ambition of FCC Environment Services is a unique opportunity for all of us to develop our skills and performance. In order to better understand the change, open and transparent communication was established throughout the transition, especially with Alberto's welcome in the Human Resources team in France.

*"Together we can build an ambitious and promising project for FCC Environnement, in which innovation and collaboration will be at the heart of our success".*



## Emilie **Bindel**

Quality, Safety, Environment and Communication Manager

"The integration of FCC Servicios Medio Ambiente into our organisation is full of opportunities and gives us the chance to work on innovative and very interesting projects. Working together brings our teams together.

*"Alone we go faster, together we go further".*

# Aqualia completes the **expansion of the Villa del Rosario** water treatment plant in Colombia



Villa del Rosario Water Treatment Plant (Colombia).

Aqualia has completed the expansion and optimisation of the Drinking Water Treatment Plant (DWTP) that will supply Villa del Rosario, a Colombian municipality where more than 120,000 inhabitants have been suffering for years from a deficit in their supply system. The infrastructure, named "La Gran Colombia", will increase the current distribution flow by 60 % for all users in this region of the department of Norte de Santander.

The execution of these works strengthens the existing infrastructure and will ensure greater efficiency and reliability in water distribution. This means that the frequency of shifts, Colombia's established water supply system, will be significantly reduced. "The water supply problems that have affected the municipality for decades will be greatly reduced," says Ledys Quintero, Aqualia's service manager in Villa del Rosario.

With the completion of this work, the continuity of the water service will be increased, rectifying the supply deficits that the municipality has suffered for nearly 50 years, a milestone for the more than 120,000 inhabitants who will benefit from it. In addition, "a new catchment line has been included that will transport more than 100 litres per second of additional water, plus other technical components to increase the flow treated and the quality of the water distributed to the population", stresses Ledys Quintero, Aqualia's Service Manager in Villa del Rosario.

**This infrastructure, which will benefit more than 120,000 inhabitants, will increase the distribution flow by 60%.**

He also stressed that the new plant is integrated with the new metropolitan aqueduct system. "Now, we are entering a transition stage, as the increase in flow will not be felt immediately and will be gradual until the tests are completed, which will continue over the next few weeks to prevent the network system from collapsing. Once this stage is completed, users will enjoy a better drinking water service".

The investment in this project exceeds 5.2 million euros, and the works included the installation of 7 km of pipeline from the catchment in the Táchira River to the Villa del Rosario Drinking Water Treatment Plant, which will transport an additional 100 L/s. The purpose of all this is to increase the flow treated and the quality of the water distributed to the population.

## Expansion to optimise services in Colombia

With the completion of this expansion, Aqualia fulfils the commitment it made in 2020, when it was awarded the concession in Villa del Rosario, with the aim of improving the quality of life of the users and providing guarantees in the provision of the service. The project, with a portfolio value of 87.5 million euros, included the operation, expansion, rehabilitation, maintenance and commercial management of the infrastructure of the city's public water and sewerage services. In addition to the extension and optimisation of the DWTP, the tender included the design and construction of the new 7 km raw water pipeline, the installation of macro-meters at the outlet of the existing plant and major works to improve, extend and replace the aqueduct and sewerage networks. In addition, the existing production lines were optimised in all their components, with the aim of increasing the flow treated and the quality of the water distributed to the population.

Aqualia consolidated its presence in Colombia in 2020 with two operations with which it obtained its first operations for the management of the integral urban water cycle in Latin America, one of them being the Villa del Rosario concession. It currently provides service in 32 municipalities in the country belonging to 8 departments and serves more than 1.2 million inhabitants.

# The **construction project of the Aranda de Duero Hospital** (Burgos), an example of **sustainable, efficient and innovative** healthcare infrastructure

The work on the new Aranda de Duero Hospital (Burgos), which FCC Construcción is building, is a true example of sustainable, efficient and innovative health infrastructure. It is the largest infrastructure under construction in Castilla y León and has a budget of over 110 million euro.

**The budget is more than 110 million euros**

The new building will be more accessible, brighter and more comfortable; more sustainable and efficient; it will be equipped with the latest technologies and will increase the surface area of the current hospital fourfold. It will also include an increase in the number of professionals. The hospital will increase the current portfolio of services offered to the population, incorporating more operating theatres; an Intensive Care Unit (ICU) with 8 stations; a Dialysis Unit with 14 stations and a training room for peritoneal dialysis; a new Home Hospitalisation Unit; and new state-of-the-art equipment. At the same time, all the outpatient clinics will be integrated, increasing from the current 27 to 43, in a single building.

This will reduce patient referrals to other referral hospitals by approximately 30%, which will improve quality and comfort, as well as stimulate the incorporation of new professionals by providing a broader, more complex and much more responsive portfolio of services.

## Other developments at the new hospital

It is planned that the ground floor will house the Emergency Department, which will increase from 9 points of care to 39; and the Emergency Medical Services base is also envisaged, with an advanced life support ambulance (UME) and the base for Basic Life Support Ambulances.

It also includes the Day Hospital, which has grown from 10 to 19 places, Dialysis, Extractions and Rehabilitation, Admissions, Clinical Documentation, the Teaching and Research area, as well as part of the outpatients' department (also on the first floor), the Pharmacy service, linen and changing rooms, and the cafeteria, which will have separate areas for users and workers.

The first floor will have the Management and Administration area, the examination rooms (from 12 to 25), the laboratories, the ICU and the Obstetric Block, close to which will be located the Maternal and Infant Hospitalisation Unit and the laboratories. This floor will also have the Surgical Block, with five operating theatres (two of them for major outpatient surgery) and a Post-Anaesthesia Recovery Unit that will increase from 3 to 9 boxes, the surgical day hospital, endoscopies and sterilisation. The project also includes rooms for on-call staff and the Occupational Health Service.

The top two floors will be reserved, according to the architectural study that will guide the works, for the hospitalisation of patients. One of the most important new features is that this area will increase the number of beds from the current 111 to 144, of which 18 will be for obstetrics and paediatrics.

A separate block will house the maintenance areas, central facilities and the waste unit. A heliport is also planned, which will be connected to the central building via a walkway.

The new healthcare infrastructure that FCC Construcción is building will replace the current Santos Reyes Hospital, which has an estimated reference population of around 65,000 inhabitants, corresponding to 114 localities in the health areas of Burgos, Segovia and Soria.

As an example of this environmental commitment, the new hospital will install 897 photovoltaic solar energy panels, 7,000 ml of surface geothermal energy (Canadian wells) and 31,000 ml of deep geothermal energy. In addition, the flow rates of the sanitary appliances will be reduced to favour savings in water consumption, as well as the irrigation needs in the landscaped areas of the plot and the building.







**This is the largest infrastructure under construction in Castilla y León**

INTERVIEW

# We meet Convensa's female talent

Convensa is a leader in the railway infrastructure sector in terms of gender inclusion and equality. For years, it has been continuously incorporating women in technical positions, both for the infrastructure execution and maintenance functions that are carried out and in the driving and operation of railway vehicles.

The company currently has a female engine driver, who is a pioneer in the sector, working on railway maintenance projects. In turn, 22 of the 28 women who work in the company carry out technical functions, with positions of responsibility on site, and are specialists in railway works. Of the women mentioned, one of them is responsible for safety in railway traffic and is in charge of the management of maintenance and quality in railway infrastructures, within the company's Machinery Pool.

# **Sonia Cienfuegos**, responsible for Rail Traffic Safety

**What motivated you to choose a career in a sector like the railways, which is traditionally considered male?**

In my case it was not a choice, it was the result of a beautiful coincidence that made me reconnect with my family's past. My grandfather was a railwayman in Asturias. And since I started working on projects in this sector, I fell in love with it. Since then I have always wanted to return to the railway sector and Convensa gave me that opportunity.

**What has your career path been like at Convensa and what challenges have you faced to reach your current position?**

I joined Convensa to fill the position of Head of Traffic Safety for the railway company (EF). They were working to obtain the Safety Certificate (CSU) that allows us to act as a railway operator and they needed a profile with experience in the sector, who knew about management systems and operational safety.

It is not easy to find this profile nowadays and in the end we made a mutual commitment (company-worker). I started my work in the Machinery Park collaborating in the entity in charge of maintenance (EEM) of FCC Construcción, specifically working on the management system of the EEM. This gave me a good understanding of the whole process of managing a machine park, the staff, the track machinery, etc. Now I am already in my role in the FE because we have had the CSU since 14 February.






The challenge has always been that, having a degree in psychology, I was hired for such technical functions. Where I come from, they say "you are from where you graze, not where you are born".

**What measures do you think the company could take to facilitate this reconciliation and encourage greater participation of women in positions of responsibility?**

Complying with the legislation in force helps a lot to achieve a good work-life balance, as well as having a clear understanding of the working conditions. In our sector, working hours and workplaces change a lot. Family uprooting is an issue that needs to be taken into account. In my case, reconciling family and work has never been a problem, as I have a family network that always takes my place.

Teleworking is an action that supports the functions that we carry out on a day-to-day basis, and that we do from construction sites, in the hotels where we are staying when we travel, at home when something happens... But in my experience, work flexibility is what helps the most. It is a question of professional and personal maturity. I have always considered that I am paid for doing my job, not for keeping a timetable in the strict sense of the concept. If I have to work more than eight hours because it is needed, I do it. If I need to do a task that requires concentration and I can't do it at that moment, I substitute it with another task and when I see that I am ready, I do it. If I have to travel on the weekend, I do it. If I have to attend to an incident at four in the morning, I do it. The company also responds to my personal requests.

**What qualities do you think women bring to leadership in the railway sector?**

Our specific competencies as women. We share many qualities with men and others are specific to us inherited from our social and evolutionary learning. The difference is "the approach". For example, when it comes to negotiating, dealing with conflict, working in a team, finding solutions, etc., as a psychologist I have studied and experienced that men and women have different ways of thinking, planning and executing the same actions. Divergent thinking is always the one that provides the best solutions, as in any work team, what is important is the sum of the parts.

The railway sector is traditionally male, but women work well in these environments because men are very honest, they face conflict face to face, they tell you what they mean without double standards, they explain in detail when they see that you want to learn and they treat you as a colleague when they see you as their equal. It is exactly the same as they would do with a man. Equal treatment is already more of a reality than a rarity, so let's keep it that way.

**What actions could be taken to increase the visibility of women in the sector and serve as role models for future generations?**

Dissemination and participation. Actions such as the one you are doing here today, getting to know us and spreading the word in our organisation about our existence, what we do, and so on.

Participating in expert forums, training and dissemination actions, etc. I will soon be attending a meeting at the State Railway Safety Agency (AESF) and we are going to representing a group of construction companies in the railway sector; of all the participants, I am the only woman. However, in the AESF itself there are more and more women railway experts in technical positions. In other railway companies there are already women in positions of traffic safety, traffic managers, etc. It is a very good and promising career opportunity.

Publicising what is done in this sector and the career opportunities is vital. Let's continue to break the stereotypes.

# **Convensa** team members

Together with Sonia Cienfuegos, we also had the opportunity to meet two members of the Convensa team: Patricia Pérez, support engineer in the repair of railway machines; and Pamela Boggioni, machinist.

Patricia is in charge of collaborating in the projects that are currently under development, such as the repair of railway machines, constantly facing new challenges, and she wanted to thank her colleagues for the support she receives from them.

On the other hand, this profession runs in Pamela's family, as her maternal grandfather was a railwayman all his life. In fact, this was her main motivation for taking the Railway Driver course and obtaining the qualification. She was the first female train driver to be hired by the company and she praised this "Convensa gave me the opportunity to make a career and learn as much as I can every day. I have already been trained for two types of locomotive, a profiling locomotive and a tamping locomotive, which I am very happy about and I am eager to continue learning".

Although female representation in the railway sector has traditionally been low, there has been a gradual increase in the last decade. Patricia commented that one of the measures that the company could adopt to encourage greater participation of women in positions in this sector is the implementation of flexibility policies "the high geographical mobility and long shifts in some positions can be a drawback to join the railway sector". Pamela, in line with the idea conveyed by her colleague Patricia, wanted to encourage women to dare to face this challenge and commented that "railway works are not always close to home, which makes it difficult for women train drivers to reconcile family life and for the company to reconcile work and family life, even if they wanted to".



Pamela Boggioni, machinist at Convensa.

Only a small percentage of women occupy managerial or technical positions. For example, only 3% of train drivers in Europe are women. However, there is a great need for women in these positions. Pamela believes that women have qualities such as responsibility, dedication and decisiveness, which are essential to reach a leadership position, and adds that "the word that defines us is perseverance". In addition, Patricia comments that "each person brings a different vision due to the combination of environment, experience and education, so a greater diversity of profiles leads to a greater capacity for adaptation and development".

The shortage of women in visible and leadership roles can discourage young women from considering careers in the rail sector. To combat this phenomenon, it is essential to increase the representation of women in STEM careers, in fact, Patricia has shared her own experience "having studied industrial engineering, I have experienced first-hand the lack of female role models in this field". In order to encourage future generations to enter the railway sector, Pamela has proposed initiatives such as open days, visits to railway training centres or introducing the company to training schools.

**Pamela Boggioni, the company's first female engine driver to be hired**



Patricia Pérez, support engineer for railway machine repair at Convensa.

We spoke to the winners of

# Do you watch or Take part?

## FCC's Instagram photo contest

Last October, the FCC Group announced the winners of the Instagram photo contest ¿Miras o Participas? launched to celebrate International SDG Week. Sara Benítez Carpio won first prize with her "Zero Hunger Sequence". Natalia Violetta Olivares Chavernas came second with her photo of the "Salinas de Fuencaliente", and Isaac González Acuña took third place with his capture of the Guillarei WWTP.

We wanted to find out more about them and their motivation for participating in the competition and their commitment to the SDGs.



## Sara Benítez Carpio

**FIRST PRIZE**

**Why did you decide to participate in this competition?**

First of all, thank you very much for giving us the opportunity to participate in the competition, especially for a cause like the SDGs, so that we can give them visibility in a creative way, and so that more people know what they are and can also contribute in one way or another. I would also like to thank all the people who have liked and shared my entries, because if it hadn't been for them, I wouldn't have been one of the selected entries.

Being a photographer, I thought it would be a good idea to make my work known and thus help to give visibility to the chosen subject. Therefore, I studied all the objectives carefully, and I decided on one of my favourite photographs taken in Oporto.

**What message do you want to convey with this sequence of photographs?**

With this photograph what I want to transmit is that people feel fortunate to be able to have a plate of food to put in their mouths, and to value the little things we have around us, and having them so normalised we do not value them or realise that many people, more than we think, do not have access to all the things that we have in our daily lives, such as food, a home...

I would like everyone reading this to reflect and to contribute, in one way or another, not only to the topic I have chosen, but to all the sustainable development goals, their "grain of sand", because a little bit of each one of us can do a lot, and in this way we would be closer to reaching the goal.




**How do you relate your photography to SDGs 1, 2 and 3?**

The theme I have chosen is poverty. I think the photograph represents the first 3 points of the SDGs, which are: End Poverty, Zero Hunger and Health and Well-being.

This photograph was taken in Oporto, it shows how a person takes food from the rubbish, puts it in his cart and leaves. What I want to convey is that hunger does not understand borders, colours or classes, and how in the 21st century, where we have access to everything, these differences still exist, and what we all have to change.



# Natalia Violetta Olivares Chavernas

## SECOND PRIZE

**What inspired you to participate in this competition?**

I am studying for a Master's degree in Circular Engineering in which the Sustainable Development Goals are discussed in depth, but I believe that their goals are still unknown to a large part of society. If we want to create a sustainable commitment, whether in citizenship or in a company, it is important that its members share a common understanding on which to work on that commitment.

I see this competition as a great tool to raise awareness of the challenges of sustainability and to lay the foundations of understanding on which to build a sustainable culture. I would like to take this opportunity to thank my delegation for their support, especially Sandra.

**Why did you choose the Salinas de Fuencaliente to participate in the competition?**

I chose the Salinas de Fuencaliente for two reasons:

- It represents a combination of the three pillars of sustainability: environment, economy and society. In these salt pans, the raw material and energy come from the sun's radiation, volcanic soil, sea water and trade winds. This trade has been the economic engine of a region of La Palma for generations. The tradition and customs of the population are highlighted.
- Giving visibility to the "smaller" islands of the Canary archipelago. The Canary Islands are much more than tourism. A clear example of this are the less populated islands where their towns and inhabitants preserve the essence of these islands.

**How are SDGs 6, 7 and 15 represented in your photograph?**

- SDG 6: Water quality standards need to be met in the food industry. This image emphasises the efficient and safe use of water resources by reusing water in other sectors or geographical areas, thus avoiding pollution and ensuring global access and food security (SDG 3 interlinkage).
- SDG 7: Salt works are a production system powered by renewable sources. Electricity is a common flow in industrial processes that generates a large part of the emissions. Renewable energy must be used to produce it or even through waste treatment in areas where these resources are scarce (industrial symbiosis model).
- SDG 15: Since 1994 the salt flats of Fuencaliente have been a Site of Scientific Interest. They are a stopover for many migratory birds from Europe on their way to Africa. These salt flats represent an example of coexistence between human activity and the maintenance of ecosystems and biological diversity.








# Isaac González Acuña

## THIRD PRIZE

**What encouraged you to enter the competition?**

I have been a photography enthusiast for more than 10 years with a special interest in nature photography and natural environments. In addition, I fully share the motivation behind the Sustainable Development Goals, as we have to take care of the planet and all those who inhabit it to reduce the differences in the distribution of wealth and that all people can live in a place where they do not have to worry about the increase of extreme phenomena caused by climate change and pollution.

**What led you to photograph the Guillarei WWTP?**

This is the place where I work every day and I wanted to emphasise the importance of the Wastewater Treatment Plants (WWTP) and their proper functioning in order to contribute to the care of nature and all the life in it, as well as to show the spectacular natural environment surrounding the Guillarei WWTP, in Tui (Pontevedra), in which we try to integrate it to achieve the least visual impact.

**How do SDGs 6, 7 and 15 relate to your photography?**

By showing a Wastewater Treatment Plant in my photograph, it is directly related to SDG6 (Clean Water and Sanitation) being part of the integral water cycle and returning the water to the environment in conditions that do not affect ecosystems or the life in them and returning it to the natural water cycle. With regard to SDG 7 (Affordable and non-polluting energy), the Guillarei WWTP generates renewable energy for self-consumption in the form of solar energy with its photovoltaic installation and in the form of biogas generated from waste. And finally, SDG 15 (Life of Terrestrial Ecosystems), the WWTP is preventing polluted water from being discharged into the environment, thus not affecting plants, trees and animals in the environment, as well as including wooded areas, ponds and green areas within the treatment plant to contribute to biodiversity even within the facilities.



# The FCC Group **committed** to the **people affected by the cut-off low**

The FCC Group has demonstrated its commitment to the populations affected by the cut-off low (Spanish acronym, DANA) in the Valencian Community and has provided essential supplies to guarantee the health and safety of those affected and volunteers.

The FCC Group's Environment, Water and Construction business areas are collaborating and carrying out different actions in the localities damaged by the cut-off low.

From here, our recognition and gratitude to all the people who are working in the reconstruction, cleaning and restoration of different supplies; and our affection and solidarity to the families of the victims and missing people, as well as to all the people who have been affected by the serious consequences of the floods.




**Group**

## FCC Group donates more than 50,000 masks and other hygiene and cleaning products

In addition to participating in the clean-up, restoration and reestablishment of supplies, the company has donated more than 50,000 masks, gloves and disinfectant gels, among other hygiene products and cleaning materials. These preventive measures are crucial to avoid the spread of disease in areas where sanitary conditions may be compromised following a natural disaster of this magnitude.






**FCC Medio Ambiente**

## FCC Medio Ambiente continues to work to help Valencians return to normality

Since the day after the meteorological phenomenon that had a devastating effect on many municipalities in the Valencian Community, FCC Medio Ambiente, in coordination with the local councils where it works, has been providing equipment to collaborate in the work being carried out to help the affected citizens return to normality as soon as possible.




The key element of these teams are the company's volunteers, who are working selflessly and in very complex situations. They have managed to clear a large part of the mud and debris from the streets, but there is still a lot of work to be done in the ground floors and basements of the houses, and it is necessary to clear the mud accumulated in the sewage pipes to prevent further flooding. FCC Medio Ambiente teams are working either directly in the southern districts of the city of Valencia, collecting waste and damaged furniture, sweeping streets and unblocking sewage pipes, or they have been put at the disposal of the Emergency Coordination Centre for the south of the metropolitan area, to help in municipalities such as Sedaví, Alfafar and Paiporta, among others.

225 volunteers and 182 vehicles, machines and specific equipment from various provinces and regions of Spain, such as Alicante, Barcelona, Burgos, Cordoba, Cuenca, Extremadura, Huelva, Las Palmas, Madrid, Malaga, Murcia, Salamanca, Segovia, Seville, Tarragona, Teruel, Vizcaya and Zaragoza, have been deployed to the affected areas. As for the vehicles and machines, they are of types that are intended to be effective in these circumstances:

- 19 waste collection trucks.
- 51 closed/open box trucks with crane or large container carriers.
- 14 tankers and scrubbers.
- 22 vacuum-impeller sewerage trucks.
- 4 high-flow, small pumps for sludge removal.
- 24 power shovels and tractors.
- 6 hydro-cleaning vans.
- 23 vans and vans for supervision, workshop and personnel transport.
- 19 pickups and others.

Of particular importance are the mixed sewer trucks for the pumping and suction of sludge in order to clean the sewer network before the sludge solidifies and clogs the sewer network.

In addition, basic necessities and tools have been sent, such as 23,000 gloves, 1,300 protective suits, 48,700 masks, 500 pairs of boots, 300 protective goggles, 600 litres of hydroalcoholic gel, as well as shovels, brushes, picks, scrapers and rubbish bags.

In addition, clean-up cantons in various parts of Spain have organised themselves as logistical centres to coordinate the huge amount of food and clothing that citizens are contributing.

FCC Medio Ambiente would like to expressly acknowledge the altruism of its volunteer workers, without whom this assistance would not be possible, and to highlight its gratitude to all the city councils that have collaborated. The company continues to work so that the affected municipalities and citizens can return to normality as soon as possible.





## Aqualia

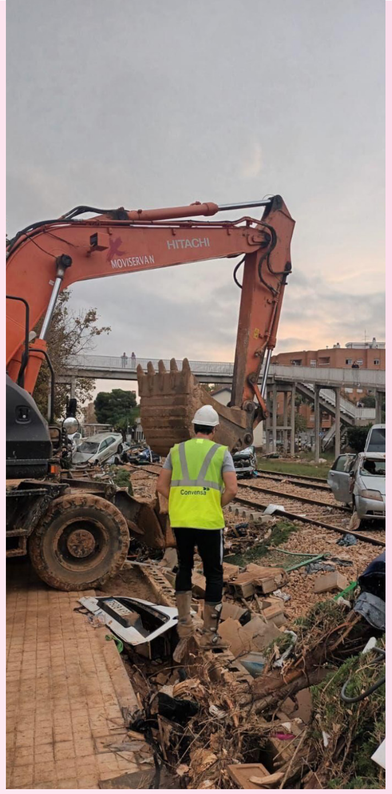
### Aqualia supports the people and territories affected by the cut-off low

Since the beginning of the tragic crisis generated by the cut-off low in Spain, the company has mobilised all the resources at its disposal to alleviate the effects of the storm on people and infrastructures.

The service managed by Aqualia that was most affected was the one in Albal (Valencia), where the office and warehouse were destroyed. The company has provided the people who work there, and their families, with everything necessary to cover their basic needs, and has made itself available to them. The Chulilla service has also been affected and, in the following days, those of Jerez de la Frontera, San José del Valle, and El Puerto de Santa María in Cádiz; and Cártama, in Málaga.

Aid to the affected areas has come from the services of La Nucía, Novelda, Denia, Alcoi, Jerez de la Frontera, Sanlúcar de Barrameda, La Línea de la Concepción, Seville, Jaén, Almería, Hellín, La Roda, Almansa, Mancomunidad de Aguas El Girasol, Mancomunidad de Servicios para La Manchuela, Quintanar del Rey, Villamalea and Tarazona de La Mancha. The company is grateful to the town councils of these municipalities for the facilities they have offered for the use of the material resources of its services.

With these actions that are being carried out Aqualia conveys its involvement and solidarity with all those affected in the best way it knows how: by collaborating in restoring the basic services of the integral water cycle as soon as possible. The company, represented by its CEO Santiago Lafuente, is grateful for the many signs of collaboration received from the entire workforce, which represents its greatest asset. It also wishes to clarify that all the demands made by the Administration, which is responsible for managing aid to public services, are being met.




## FCC Construcción

### The FCC Group's construction division is helping to restore the services affected by the cut-off low

The construction area has collaborated in the reconstruction, cleaning and re-establishment of part of the services affected by the cut-off low that devastated the towns surrounding Valencia on 29 October 2024.

FCC Industrial has deployed its technical and human resources in Cuenca to restore all the electricity supply points, specifically in the town of Mira, one of the most damaged in the province. The company has re-established the supply in all the towns affected by the cut-off low in Cuenca. For its part, it has made generators available to to continue to provide electricity supply.

For its part, Convensa is cleaning the C3 railway line between Valencia and Buñol, working along the entire route and at the stations of San Isidre, Xirivella, Aldaia, L'Origuilla, Cheste, Chiva and Buñol. More than 30 technical staff and around 30 machines and lorries have been distributed along the 40 kilometres of affected railway track. The work carried out in this first phase consists of cleaning and clearing everything swept away by the flood, vehicles, lorries, containers, trees, pipes, etc., as well as carrying out an initial assessment of the damage and then proceeding to restore the line as soon as necessary by means of emergency work. Collaboration with ADIF has been key, with up to eight teams of machinery deployed at Aldaya, L'Origuilla and Cheste stations in less than 24 hours. At the same time, work is being carried out in the different stations affected to create accesses and storage areas along the route.

Finally, FCC Construcción is working on the reconstruction of the two existing damaged bridges on the CV-33 (intersection of the Rambla del Poyo with the CV-33 (Picanya) at the "zero" zone of the cut-off low). At present, traffic is closed on both carriageways of the CV-33. The situation is being technically analysed by the company's Technical Services, as well as by the technicians assigned to the affected area. Work is being carried out to clean up and prepare accesses with earth-moving machinery. Work is being carried out



quickly to reduce repair times on one of the abutments of the two bridges affected with the aim of restoring traffic as soon as possible, given that this is a high-capacity road in the Valencia metropolitan area.

Subsequently, the other bridge affected will be repaired, as one of its abutments has completely disappeared, causing a span of the bridge to collapse.

The FCC Group's Construction area is committed to the work and activities we are carrying out in the affected area, providing human and material resources to resolve the damaged infrastructures as quickly as possible.

# The FCC Group and three of its business areas seal their su **commitment to the Diversity Charter**



From left to right, Santiago La Fuente Pérez-Lucas, CEO of Aqualia; Íñigo Sanz Pérez, CEO of FCC Servicios Medio Ambiente; Alicia Alcocer Koplowitz, president of Cementos Portland Valderrivas; Teresa Viejo Jiménez, president of the Diversity Foundation; Esther Alcocer Koplowitz, president of the FCC Group; Sonia Río Freire, general manager of the Diversity Foundation; and Ignacio León Ruiz, corporate director of Human Resources at FCC Construcción.

The FCC Group once again renews and updates its commitment to Diversity and Equality. The leading companies in the different business areas -Fomento de Construcciones y Contratas; FCC Medio Ambiente; FCC Construcción; and Aqualia- have renewed the Diversity Charter, undertaking to raise awareness and disseminate the principles of the Diversity Charter among all the people who make up their workforces.

The event was chaired by Teresa Viejo, president of the Diversity Foundation, and Esther Alcocer Koplowitz, president of the FCC Group. The Diversity and Equality managers and teams from the different business areas, as well as their top executives, also took part in the event.

## The chairwoman of the FCC Group highlighted the Group's **commitment to diversity**



Teresa Viejo, president of the Diversity Foundation, with Esther Alcocer Koplowitz, president of the FCC Group.

During the ceremony, the chairwoman of the FCC Group emphasised the commitment to diversity of the Group and the companies that represent it, "Our commitment to diversity, equality, inclusion in the workplace and the promotion of a real culture of respect, tolerance and equity goes far beyond the legal provisions, and is strongly manifested through the Diversity Charter that we promote, and the Equality Distinctions with which our companies have been recognised, such as the one awarded to the you_diversity project, awarded as the best practice in cultural transformation, diversity and inclusion".




Esther Alcocer Koplowitz, president of the FCC Group, during her speech at the Diversity Charter event.

The signing of the Diversity Charter, which brings together companies and institutions in a joint effort to promote equal opportunities and respect for diversity, aims to promote policies that ensure the integration of staff, avoiding any kind of direct or indirect discrimination.

This commitment is part of an initiative promoted by the European Commission through the European Diversity Charter Platform, which seeks to unify efforts at continental level to ensure a more inclusive and equitable working environment.

Teresa Viejo, president of the Diversity Foundation, said: "The signing of the Diversity Charter by these four FCC Group companies reinforces the importance of integrating diversity and inclusion policies as a driver of innovation and development. This initiative contributes to improving the quality of life of their teams and society as a whole".

The signatory companies undertake to integrate the 10 principles of the Charter into their daily management, promoting an inclusive work environment, respectful of differences and allowing for a balance between the personal and working lives of their staff. With this, FCC continues to make progress in the implementation of good practices that reinforce its competitiveness and social commitment.

## FCC committed to diversity

In the FCC Group we are equal and at the same time diverse, we value talent regardless of sexual orientation and identity, gender expression or sexual characteristics. Attention to diversity and equality is a business, ethical and social imperative for all FCC Group companies, as set out in the Group's Code of Ethics and Conduct.

All workers, regardless of their job and responsibilities, have the right not to be discriminated against on any grounds, including the above, and the obligation to provide a safe, diverse and inclusive working environment.

As part of our commitment to equality and diversity, FCC has the you_diversity platform, which encourages and promotes a corporate culture of Equality, Diversity and Inclusion through solid and wide-ranging training content and actions.

## About Fundación Diversidad

Fundación para la Diversidad promotes the largest movement of companies and organisations in favour of diversity management and inclusion of people regardless of gender, sex, age, culture, origin, nationality, disability, religion, sexual orientation or any other individual or social condition. More than 1,600 companies have signed the Diversity Charter, a pioneering initiative in Europe. As diversity and inclusion is an ethical and legal imperative, we carry out awareness-raising and dissemination activities aimed at the management team and the workforce. Fundación Diversidad is convinced that diversity also generates innovation, sustainability and long-term business benefits. Fundación Diversidad's partners are: Admiral Seguros, Alcon, Allianz, AXA, BASF, BBi Communication, BBVA, BD, Bunzl, CaixaBank, Cepsa, Clarios, Diageo, Humana&Mente Comunicación, Iberdrola, JTI, LATAM Airlines, Leroy Merlin, Lilly, MASORANGE, Nationale-Nederlanden, Provital Group, Real Madrid Club de Fútbol, Richemont, Sacyr, Towa Pharmaceuticals, UCI and Vivofácil.



# FCC commemorates the **International Day for the Elimination of Violence against Women** together with Fundación ANAR and Save the Children Foundation




The FCC Group supports the International Day for the Elimination of Violence against Women and makes a call within the company to remember its principles and to inform about its commitment and vision: zero tolerance of gender violence and promotion of the social and professional integration of women who are victims of this scourge.

In the format of a round table, the company organised an awareness-raising event on the importance of the role of education in childhood and adolescence in the prevention of gender-based violence, with the participation of the Foundation for the Help of Children and Adolescents at Risk (ANAR) and the Save the Children Spain Foundation.

Diana Díaz Álvarez, director of the ANAR Helplines, was present on behalf of the Foundation for the Aid of Children and Adolescents at Risk (ANAR), and Carmela del Moral Blasco, Head of Children's Policies, participated on behalf of the Save the Children Spain Foundation.

The event closed with the presentation of the 7th edition of the FCC Group's awards.










# FCC awards ANAR and Save the Children for the prevention of gender violence in the educational field




From left to right Íñigo Sanz Pérez, CEO of FCC Servicios Medio Ambiente; Diana Díaz Álvarez, director of ANAR Helplines; Carmela del Moral Blasco, Head of Children's Policies at Save the Children Foundation; Alicia Moreno, director of Communications and Fundraising at Save the Children Foundation; and Helena Resano, journalist.

For the seventh year in a row, the FCC Group wanted to award and recognise the work carried out by organisations and associations working to put an end to gender violence. On this occasion, the award winners were the Foundation for the Aid of Children and Adolescents at Risk (ANAR) and the Save the Children Foundation, in recognition of their work, commitment and dedication to the prevention of gender violence in the educational sphere, especially in childhood and adolescence.

These awards were presented at the Corporate Headquarters in Las Tablas, Madrid, during the ceremony to commemorate the International Day for the Elimination of Violence against Women, which FCC celebrates every year on 25 November.

Diana Díaz Álvarez, director of the ANAR Helplines; Carmela del Moral Blasco, Head of Children's Policies at the Save the Children Foundation; and Alicia Moreno, director of Communications and Fundraising at the Save the Children Foundation were presented with their respective awards by Íñigo Sanz Pérez, CEO of FCC Servicios Medio Ambiente.




**ESPACIO LIBRE DE VIOLENCIA DE GÉNERO**

*#atulado*

**Ante la violencia de género**

# Tenlo claro



**Tu gesto ayuda**

Sube tu foto a:

**aqualiacontigo.com**

Y muestra tu lado más solidario



**#aqualiaContigo**

# FCC Environment CEE on the road to "Green Events"

Events and meetings leave a footprint on our planet. From energy consumption, waste generation and even atmospheric emissions such as greenhouse gases that contribute to climate change and environmental degradation.

FCC Environment CEE, in its commitment to sustainability and under the "Green Events" initiative, organises more sustainable corporate meetings with the aim of reducing the carbon footprint and offsetting emissions that cannot be avoided.

## What's behind the "Green Events"?

The vision of "Green Events" at FCC Environment CEE is governed by two basic principles: the first is to offset the carbon footprint of the participants who travel to the Group's corporate events and the second is to select venues that minimise their environmental impact.

For this reason, a set of criteria has been developed that all company meeting venues must meet. These standards are grouped into five categories:

- Minimise the use of paper.
- Reuse and recycle.
- Reduce consumption.
- Use responsible transport.
- Sustainable catering and accommodation.

## Travel compensation

FCC Environment CEE organises numerous events and meetings, both virtual and face-to-face. With more than 50 participants from various countries, these meetings require considerable logistics, i.e. travel by car, plane or train, to ensure the attendance of participants.

Commuting increases the carbon footprint. "In line with our upcoming sustainability strategy, we already offset this carbon footprint by 2022," says Lucie Zumrová, Head of Communication and Marketing at FCC Environment CEE Group. "In this way, we are trying to eliminate the number of means of transport, mainly private cars. However, it is clear that participants have to get to the venue somehow. That's why we calculate the carbon footprint and convert it into the number of trees we plant at the end of each year. We plant trees at our venues throughout the Group. We always choose trees that are typical for the location. Usually lime, birch, oak or maple trees.



## The **carbon footprint** converted into trees

In line with the sustainability strategy 'Green Events', FCC Environment CEE has carried out a reforestation project at the Zisterdorf (Austria) and Zabrze (Poland) plants since 2022, planting a total of 31 trees with the aim of offsetting $CO_2$ emissions.

This year, 11 trees have been planted at the waste-to-energy plant in Zistersdorf (Austria). Typical local species such as birch, lime, maple and oak have been chosen. This initiative builds on the success of last year's tree planting efforts, further contributing to a sustainable and environmentally friendly future.

These are small gestures, but a big step towards a greener future.





# The importance of Vitamin D

Vitamin D is a fat-soluble vitamin that is synthesised through the skin, and its various functions include fixing calcium in the bones and maintaining normal calcium-phosphorus metabolism. It also plays a role in regulating other cellular functions within the body and its anti-inflammatory, antioxidant and neuroprotective properties contribute to the health of the immune system, muscle function and brain cell activity.

In certain situations, skin synthesis is not entirely efficient and, together with the fact that foodstuffs contain low amounts of this vitamin, a large part of the population is deficient in this micronutrient.

## What are the symptoms of vitamin D deficiency?

If there is a vitamin D deficiency, it is likely that no symptoms will be present. Ideally, a blood test should be carried out to determine the vitamin D level. Very low vitamin D levels over prolonged periods of time can lead to:

- Loss of bone mass.
- Recurrent illness or infections.
- Fatigue or tiredness.
- Muscle weakness.
- Bone and back pain.
- Dermatological problems, such as dryness, redness and other skin pathologies.
- Difficulty sleeping.
- Hair loss.
- Slower wound healing.

## How to obtain vitamin D?

Vitamin D is absorbed through solar radiation captured through our skin. It is estimated that 5-15 minutes/day on the face and arms during spring, summer and autumn keeps vitamin D at adequate levels, but other factors such as time of day, season, latitude and skin pigmentation influence its absorption. Despite the benefits of sun exposure for vitamin D absorption, caution is advised because of the risk of cancer and premature skin ageing.

Few foods contain vitamin D, it can only be obtained from certain foods such as oily fish and to a lesser extent in products such as eggs and dairy products.

Another way to obtain this vitamin is by taking vitamin D supplements alone or in association with other minerals and vitamins.

Maintaining plasma vitamin D levels between 20-40 ng/ml is crucial for immune, bone and muscle health. Sun exposure is not sufficient for some population groups, so food fortification or supplementation is effective in ensuring adequate levels.

Although very rare, vitamin poisoning can be serious: never take medicines containing this vitamin on your own and always consult your doctor or pharmacist.

# FCC Environment UK **recognised by the British Safety Council with two Swords of Honour, a Globe of Honour** and **5 Star recognition** for occupational health and safety risk management.



FCC Environment UK has won several British Safety Council (BSC) awards that recognise both the work of the operational teams on the ground and the efforts of the SHEQ (Safety, Health, Environment and Quality) team to strengthen and improve performance excellence and behaviours across the business.

Lincolnhire's waste incineration plant in North Hykeham and the landfill and quarrying division have received the final award, a Sword of Honour, following the results of five-star audits earlier in the year. This award is presented to companies that have demonstrated excellence in managing health and safety risks at work.

In addition, the company has been one of nine recipients of a Globe of Honour for its efforts at Eastcroft's energy-from-waste (EfW) plant in Nottingham, demonstrating high standards in environmental and sustainability issues, as well as a five-star audit result at its EfW plant in Allington, Kent, evidencing its commitment to continuous improvement of its health and safety management systems and associated arrangements, and reflecting a best practice organisation.

Paul Stokes, director of Safety, Health, Environment and Quality (SHEQ), said: "We are delighted to have received these awards, bringing us to an unprecedented five Swords of Honour. The team is committed to meeting the highest health and safety standards and we are proud to be recognised for our hard work. We will continue to strive to improve our practices and hope to be recognised for this in the future as well.





*Expansion of the A465 highway Wales, United Kingdom.*
**John Jackson**

# The 14 best photos already have winners #FCCCOprojects 2024

Projects in the **construction area** of the FCC Group



*Neom West Mountain Running Tunnels. Saudi Arabia.*
**Miguel Al James**



**Máximo Serrano**
*Major bridge P3 project. Pennsylvania.*



**Ángel Cecilio**
*Mediterranean High Speed Corridor Murcia-Almería. Nijar-Andarax Section. Spain.*



**José Guilherme**
*Modernization of the Mira-Sintra Meleças-Torres Vedras rail section of the Western Line. Portugal.*



**Rodrigo Guerrero**
*Industrial Bridge. Chile.*



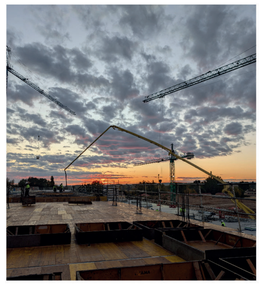
**Sergio Santos**
*Renovation of the Santiago Bernabéu Stadium. Spain.*



**Andreea Tecșa**
*Modernization of railway sections. Pan-European Corridor. Simeria Station. Romania.*



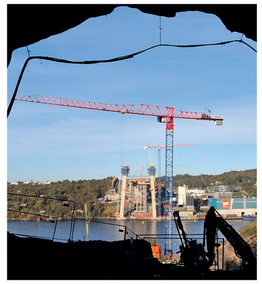
**Eduardo Llorente**
*Mediterranean High Speed Corridor Murcia-Almería. Totana-Totana Section. Spain.*



**Beatriz Pérez**
*Aranda de Duero Hospital, Burgos. Spain.*



**Wilfredo Guerra**
*Expansion of industrial facilities, Lima Airport. Peru.*



**Francisco Javier Fuentes**
*Sotra Bridge. Norway.*



**Rafael Díaz**
*Marina Baixa Hospital, Villajoyosa. Spain.*



**FCC/STC Team**
*Scarborough Subway Extension. Canada.*

# The **Mar de Alborán desalination plant begins to supply water to irrigators** in Campo de Níjar and Almería

**This initiative advances sustainability in Almeria, preserving aquifers and guaranteeing water supply in times of drought.**



**The first rack is up and running and will produce 5 Hm³ of water per year, helping to alleviate the drought affecting the region.**

After several years of hard work, desalinated water production is now a reality at the Mar de Alborán desalination plant. Servicios Hídricos, a subsidiary of the Aqualia group that manages the plant, has started up the production of the first frame of the infrastructure on a trial basis, with the capacity to produce 5 Hm3 of desalinated water per year.

The Consejería de Agricultura, Pesca, Agua y Desarrollo Rural has granted authorisation to use this test water for agricultural irrigation for four months.

Thus, through 170 km of distribution networks, the desalinated water will reach 432 hectares of approximately 200 irrigators and the 6 storage reservoirs of the Alboran Sea to store up to 600,000 $m^3$.

The irrigators receiving this desalinated water are those who had previously requested it from Water Services and who had authorised other sources of supply, which will be supplemented with this supply, thus preserving the aquifers.

Now, Servicios Hídricos is awaiting the definitive concession for the distribution of the 5Hm3 of this first basin to take this water to the SAT Campo de Níjar and the Los Morenos and El Cautivo Irrigation Communities, in accordance with the concession dossier that has been processed.

Subsequently, the concession will be extended to the maximum capacity of 20 $Hm^3$, which will include the irrigators who will receive water in this first temporary test phase. In this same phase, water reserves for the municipalities of Almería and Níjar will also be added.

The Mar de Alborán desalination plant will help to mitigate the severe drought that is keeping farmers in a very delicate situation. At the same time, the water it produces will help to safeguard the aquifers from overexploitation.






**For four months, this water will be used for agricultural irrigation, benefiting more than 200 irrigators and covering some 432 hectares thanks to a 170 km distribution network.**



# FCC holds the **third innovation day** driven by its **Digital Innovation Lab**




Digital Innovation Lab work team.

The FCC Group held the third innovation day promoted by its Digital Innovation Lab (DI_Lab), in its commitment to innovation as a strength and as one of the company's levers for creating value, with the participation of the Innovation and R&D departments with the latest initiatives they have been developing.

The event was opened by Alfredo García, Systems and IT manager of the FCC Group, who said, "This year we are once again bringing FCC Group employees a sample of the innovation developed internally and by different external partners. This day has a practical component, in which attendees can experience some of our most relevant innovations, but also informative with different round tables and presentations on the cases developed for our clients and to generate efficiencies in business processes".




One of the round tables that took place during the Innovation Day.

For his part, Manel Miranda, the FCC Group's IT director of Innovation and Business Relations, presented the awards for the Roota intrapreneurship programme and emphasised that "At FCC, innovation is in our DNA, so that we can continue to continuously improve the quality of the service we provide to our customers and the communities where we operate. The roota intra-entrepreneurship programme is a strategic initiative as part of this improvement. We want to boost the talent of our employees even more, in order to drive innovation and generate new business solutions". Afterwards, both the winning and runner-up teams presented their respective projects.

Throughout the day, FCC Construcción, Aqualia, FCC Medio Ambiente and Cementos Portland Valderrivas showcased the latest developments in their respective fields. These initiatives, the result of research and development, reflect the company's commitment to staying at the forefront and offering feasible and viable solutions in each of the sectors of construction, integrated water management, environmental services and the production of cement and derivatives.

## Innovation Day X DI_Lab

Innovation Day is an ideas lab focused on improving the efficiency of the FCC Group's processes through digital transformation, adding value to the business and improving agility in identifying and understanding the current and future challenges of the digital world.

Continuing with the initial purpose, the main objective of this initiative is to generate knowledge synergies for the promotion of innovation, technology and digitalisation and to implement solutions that are feasible and viable to facilitate the adoption of innovative digital processes that solve challenges and, consequently, improve the company's products and services; and also to promote an innovation ecosystem open to institutional actors and external collaborators.



# The innovative idea **""Digital twins: Our window to the future"** wins roota, the FCC Group's intra-entrepreneurship programme




From left to right, Ernesto de la Plata; Marina Jiménez and Carlos Varela, the winning team of the Roota intrapreneurship programme.

**68 ideas**

Roota, el programa de intraemprendimiento del Roota, the FCC Group's intrapreneurship programme organised by the Digital Innovation Lab team together with the Human Resources area, has come to an end, and the winning team was announced at Innovation Day.

Following the presentation of the ideas of the finalist projects at the Demo Day held a few weeks ago at FCC's corporate headquarters in Las Tablas (Madrid), the evaluation committee, made up of the top management of the FCC Group and its business areas, decided that "Digital Twins: Our Window to the Future" would be the winning prototype and that it would be developed with a minimum viable product approach to validate the solutions identified.

The other teams that took part in the final phase were: Sustainable modular design of electromechanical installations, by FCC Industrial; Migration and benefits for the FCC Group (PTFMIGRAFCC) by FCC Industrial; EfFiCienCy - Empowering Our people to grow, by FCC Construcción Canada; and Digitise production, increase productivity by Megaplas.

## The first edition of Roota

This was the first edition of Roota, an intra-entrepreneurship programme open to everyone in the FCC Group, regardless of their geographical location, professional category or function or department, and which sought to highlight the potential of the company's internal talent.

In total, during the development of the programme, 68 ideas have been registered, from 6 countries and 3 continents, 17 reached the end of phase 2, and five of them have reached phase 3 as finalists. In this last phase, the teams have developed prototypes, or pilots, of the proposed solutions, carried out validations and worked on a first version of a business viability plan, because the objective is for these ideas to generate a real impact on businesses.

**6 countries**




This programme is designed to respond to challenges through collaboration in teams that can be multidisciplinary, made up of professionals who, following a process inspired by innovation methodologies and with expert accompaniment, make it possible to develop tangible and innovative solutions that benefit the FCC Group within the framework of its activities, either by promoting proposals that are aligned with the challenges faced by FCC Group entities in their activity, or by evaluating the visibility, sustainability and viability of the proposed solutions, so that they can be implemented in a challenging and changing environment.

**3 continents**

# FCC Medio Ambiente wins World Smart City Awards with its hydrogen truck




Awarded for the H2TRUCK project.

FCC Medio Ambiente has won the World Smart City awards in the Energy and Urban Environment category for its 'Urban-service H2-cell chassis' project at the Smart City Expo World Congress 2024, recently held in Barcelona. The innovative equipment consists of a Heavy Vehicle Platform Chassis for Urban Service Applications powered by a hybrid hydrogen fuel cell and lithium-ion battery system, with a low cab forward and panoramic cab, which is applicable to all urban service activities. The company has won in competition with several very high-level projects. The award was collected by Íñigo Sanz, CEO of FCC Medio Ambiente, for whom this project is "an example of teamwork and of the importance of innovation, which has been in the DNA of this company for more than 110 years, in achieving the objectives of our 2050 Sustainability Strategy, a roadmap for business development based on sustainable growth".

## The 'H2TRUCK' project

The project, called 'H2TRUCK' for short, has been led by FCC Environment and developed with the Irizar Group with the participation of companies and academic and technological entities of great relevance in the automotive sector. It has received state recognition and support through the Sustainable Automotive Technology Programme (PTAS), within the framework of the subsidies granted by the Centre for the Development of Industrial Technology (CDTI) and supported by the Ministry of Science and Innovation, as part of the Recovery, Transformation and Resilience Plan financed by the European Union.

The first application of the platform has been developed for a collection truck with a state-of-the-art side-loading body. The prototype vehicle is already in operation and has been undergoing test runs for a few months, with an H2 battery that enables the waste collection service to be carried out without polluting emissions. With a comparatively small battery, it significantly improves on the limitations of "pure" electric vehicles




Íñigo Sanz, CEO of FCC Medio Ambiente, collecting the award.

(charging times, limited range, weight of large batteries, etc.). The vehicle, whose world premiere took place in November, was on display at the Tomorrow Mobility stand D-185.

## FCC Environment at the forefront of electric mobility

FCC Medio Ambiente, which provides environmental services to 67 million people in more than 5,400 municipalities in eleven countries, has been researching electric mobility for more than 50 years. It currently has a fleet of 20,000 vehicles, including more than 3,600 ecological units, 1,600 of which are electric.

# Existe un espacio donde la diversidad empieza por you_



you_*diversity*