

A photograph of an industrial facility at night. The scene is dominated by large, cylindrical storage tanks and a complex network of pipes and structural steel. Bright, rectangular industrial lights are mounted on the structure, casting a strong glow. A red pipe runs horizontally across the middle ground. In the foreground, a paved road with white dashed lines and a white arrow pointing right is visible. The sky in the background is a mix of dark purple and orange, suggesting twilight. The overall atmosphere is industrial and brightly lit.

Industrial



Wide experience

Industrial

F **CC Industrial** is a company within the FCC Group, created in 2010 as a result of the merger of a group of subsidiary companies of the Group. Specialized and with a long history in industrial and energy projects, services, and installations

It offers a comprehensive service to its clients, meeting their needs and adding greater value to the activities it carries out.

FCC Industrial carries out EPC contracts in LNG storage and regasification plants, photovoltaic and solar thermal power plants. We execute projects for gas pipelines, oil pipelines, and district heating and cooling. We provide engineering, equipment and material supply, carry out construction, installation, assembly, operation, and maintenance of electric transmission and distribution networks, substations, and electromechanical installations. We also perform railway electrification, signaling, and electromechanical installations.

Activities



Turnkey Projects

- Oil & Gas Projects
- Power Generation Plants Turnkey Projects



Railways

- Electrification
- Signaling
- Railway Electromechanical Installations



Electromechanical Installations

- Electromechanical Installations in infrastructure and unique buildings
- Maintenance
- Energy Efficiency and Public Lighting



Pipeline Transport

- Gas and Oil Pipelines
- District Heating and Cooling



Networks

- Maintenance and execution of installations in LV/MV networks
- Substations
- High Voltage Lines
- Control Panel Workshop



Software systems and Solutions

- Connected Infrastructures
- Intelligent Control Systems
- Training and Simulation
- Security and Defense
- Telecommunications Installations and Systems

Value contribution

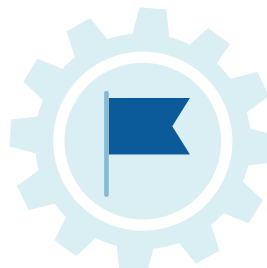
Internationalization

Present in **14 countries**.



Experience

120 years of experience.



Innovation

Development of **innovative technologies**
in each project.



Care for the environment

System of good environmental practices
implied in all works.

Environmental management system certified
according to: **UNE-EN ISO 14001**.

**First construction company in Spain to
obtain Zero Waste Certificate.**

Carbon footprint verified by UNE-EN-ISO 14064.





Professionalism

Team of more than **1,100 professionals** with its own technical services that support the works.



Quality

Based on permanent improvement. Quality management system certified according to: **UNE-EN ISO 9001**.



Health and Safety

The health and safety of people is a priority.

Occupational Risk Prevention Management System certified in accordance with **UNE-EN-ISO 45001**.



Local development

Support for the **development of the communities** where it operates.



Fuel Farm Dublin Airport, Ireland

Turnkey projects

FCC Industrial has the technology and the technical and human resources necessary to design and build industrial projects both nationally and internationally, standing out in Oil & Gas projects such as LNG storage and regasification plants and fuel storage.



Tanks in Barcelona, Spain



Oil & Gas Projects

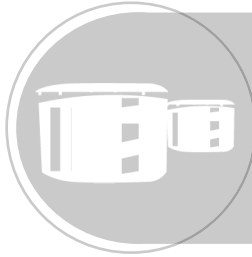
- LNG Storage and Regasification Plants
- Fuel Storage Plants



Power Generation Plants

- Solar Thermal Power Plants
 - Photovoltaic Parks
-

Turnkey Projects



Oil & Gas Projects

LNG Storage and Regasification Plants

Design and execution of LNG regasification plants both nationally and internationally.

- 1,050,000 m³ of storage executed at national level (28% of Spain's capacity).
- 510,000 m³ of storage executed or under execution at international level.

Fuel Storage Plants

- Design and execution of 49,800 m³ of storage.



Fuel Farm Dublin Airport, Ireland



Tanks at Jorge Chavez International Airport in Lima, Peru

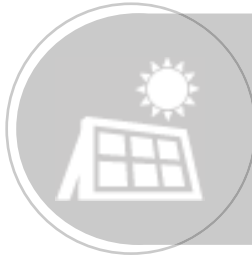


- **4 tanks in the Port of Barcelona + regasification facilities** (Barcelona).
- **1 tank in Cartagena** (Murcia).
- **2 tanks in El Musel, in Gijón + regasification facilities** (Asturias).
- **1 tank in Pori** (Finland).
- **Expansion of the LNG regasification facility in Quintero** (Chile).
- **LNG regasification terminal in Stade** (Germany).
- **3 tanks in the new terminal at Dublin International Airport** (Ireland).
- **4 tanks at the new Jorge Chávez International Airport in Lima** (Peru).



**Enagas Tanks Port of
Barcelona, Spain**

Turnkey Projects



Power Generation Plants

Power Generation Plants

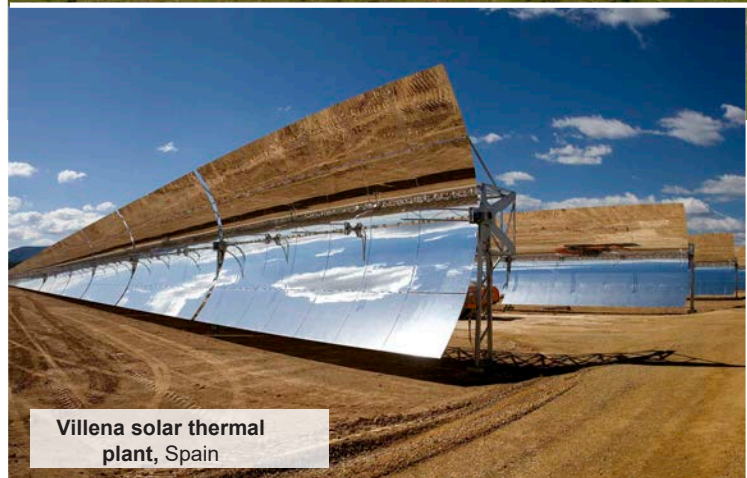
- 100 MW installed.
- Design, construction, commissioning, operation and maintenance.

Photovoltaic Plants

- 1,428 MW installed.



Pizarro photovoltaic plant, Spain



Villena solar thermal
plant, Spain



- **Term.Villena 50 MW**
- **Term. Guzmán 50 MW**
- **PV Barscience 50 MW**
- **PV Puertollano 100 MW**
- **FV Pizarro 190 MW**
- **PV Tagus II III IV 150 MW**
- **PV Cedillo 220 MW**
- **PV Velilla 1 75 MW**
- **PV Guillena 263 MW**
- **PV Tagus XL 380 MW**





Santiago Bernabeu Stadium remodeling, Spain

Electromechanical installations

FCC Industrial is a leader in the construction, installation and maintenance of medium and low voltage electrical networks, telecommunications systems, air conditioning systems, plumbing, special installations (security, fire protection, etc.), sanitation and the integral maintenance of all types of infrastructure and buildings.



Infrastructures and singular buildings

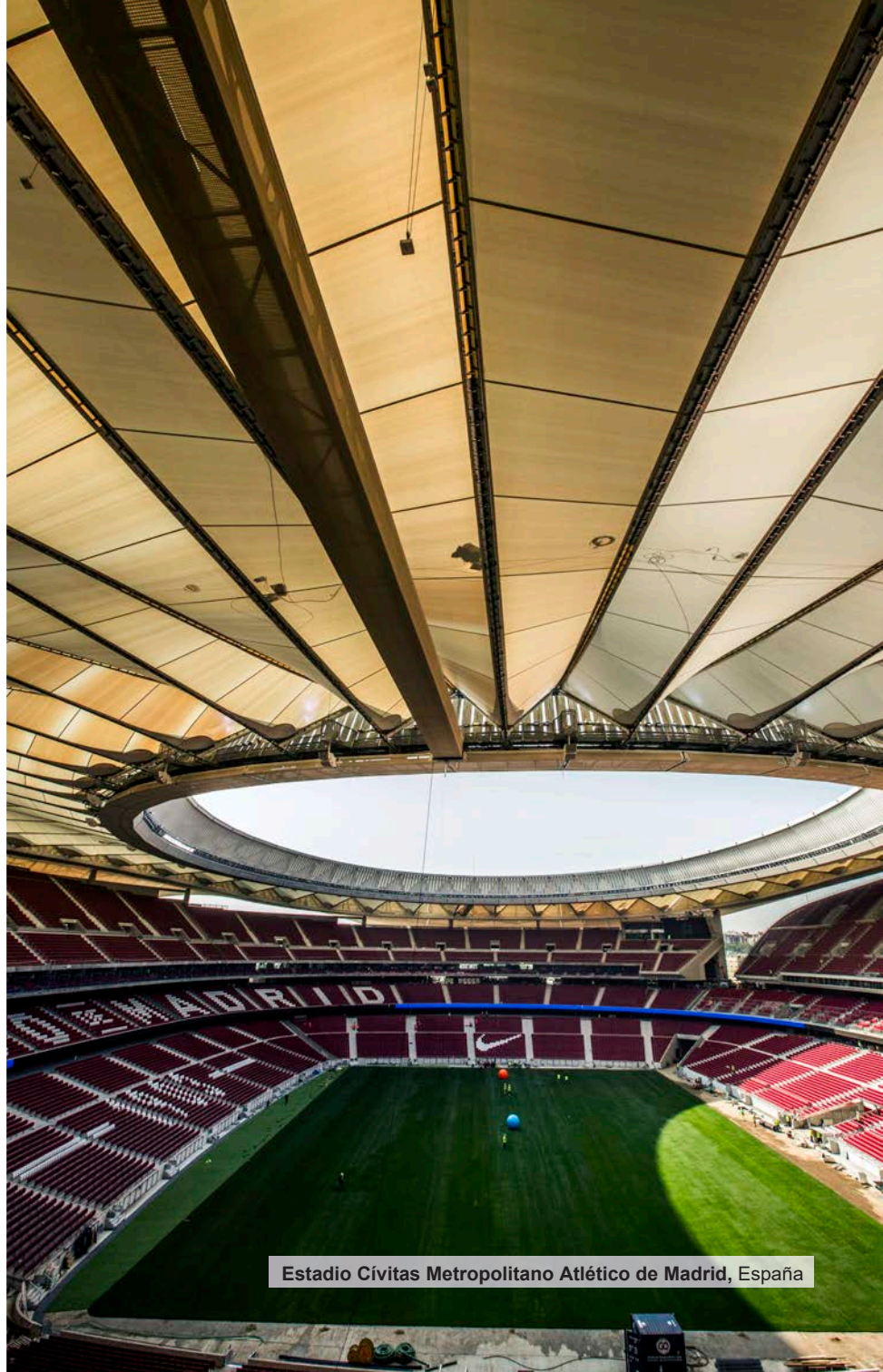
- DPCs - Data Processing Centers
- Hospital Facilities
- Tertiary and Offices



Maintenance



Energy efficiency and public lighting



Estadio Cívitas Metropolitano Atlético de Madrid, España

Installations Electro-mechanical



Infrastructures and singular buildings

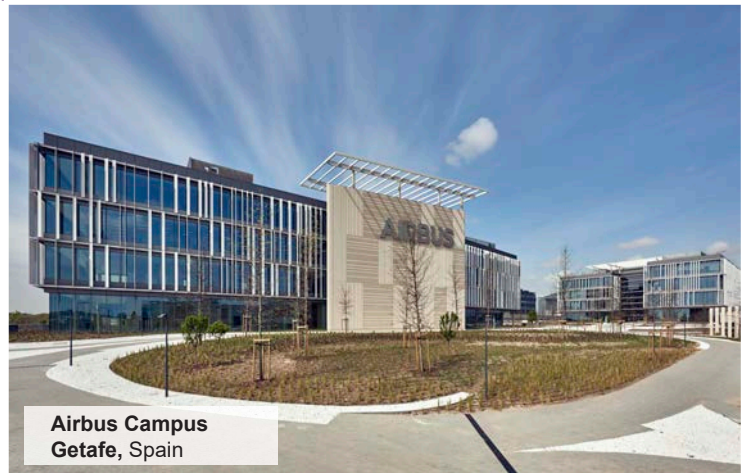
Integral contractor of installations, from design to commissioning and subsequent operation and maintenance.

Buildings and sports facilities

- **Cívitas Metropolitano Atlético de Madrid Stadium** (Madrid).
- **New Santiago Bernabéu Real Madrid Stadium** (Madrid).
- **Real Madrid Sports City** (Madrid).
- **Valdelasfuentes de Alcobendas Sports City** (Madrid).



CPD of Torija, Spain



Airbus Campus
Getafe, Spain



Penitentiary Institutions, Police and Civil Guard

- **Burgos Penitentiary Center** (Burgos).
- **Cordoba Penitentiary Center** (Cordoba).
- **Canillas National Police Complex** (Madrid).
- **General Directorate of the Civil Guard** (Madrid).

DPCs - Data Processing Centers

- **DPC in Torija** (Guadalajara).
- **DPC in Murcia** (Murcia).

Hospital Installations

- **University Hospital of Salamanca** (Salamanca).
- **Santa Barbara Hospital** (Soria).
- **San Juan de Dios Hospital** (Seville).
- **Virgen del Rocío Hospital** (Seville).
- **Virgen de las Nieves University Hospital** (Granada).
- **University Hospital of Valencia** (Valencia).

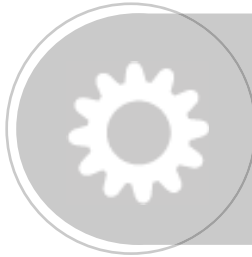
Tertiary and Offices

- **AIRBUS Campus Complex in Getafe** (Madrid).
- **Titania Tower, El Corte Inglés** (Madrid).
- **H10 Hotel Chain.**
- **Fedola Group Hotel Chain**



University Hospital of
Salamanca, Spain

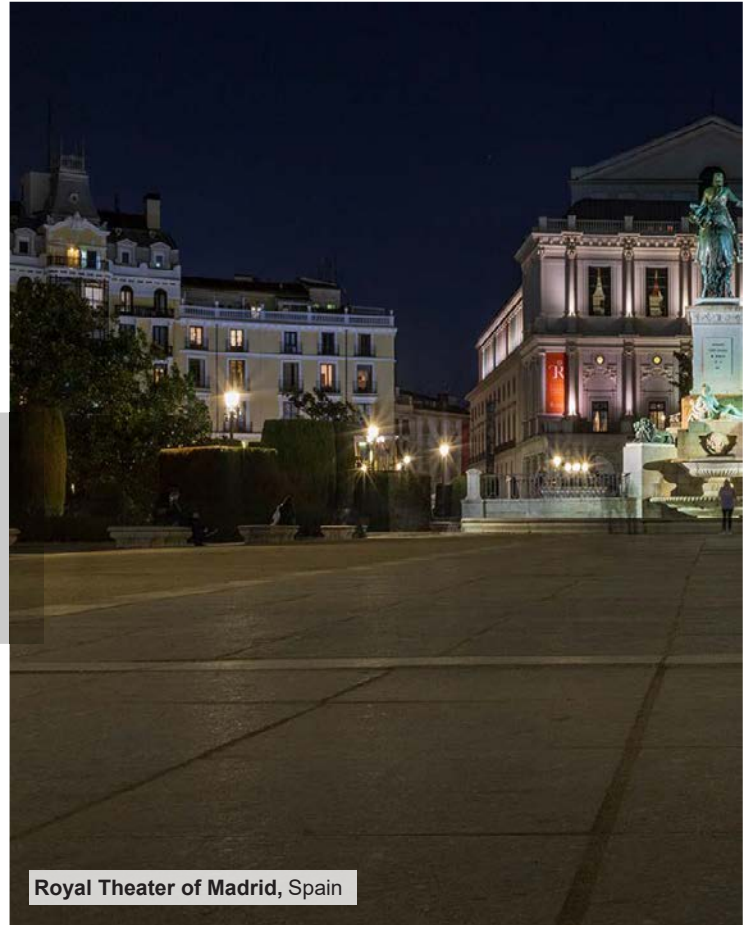
Installations Electro-mechanical



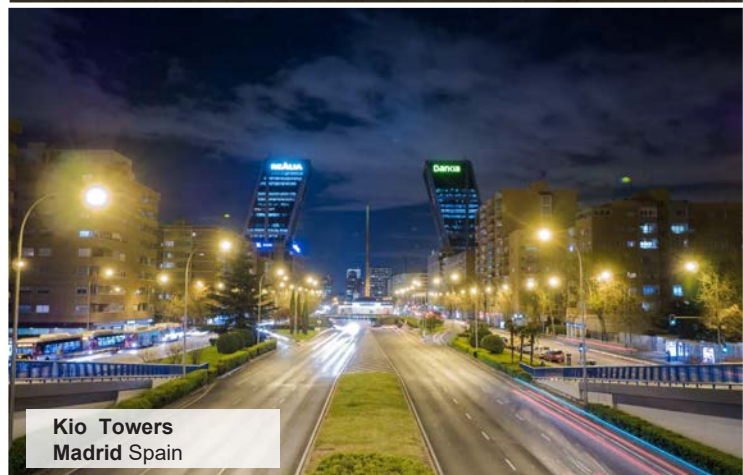
Maintenance

FCC Industrial offers comprehensive maintenance services customized for each type of facility including:

- Preventive Maintenance.
- Legal Technical Maintenance.
- Predictive Maintenance.
- Corrective Maintenance.
- Facility management.
- Functional and energetic exploitation of the installations.



Royal Theater of Madrid, Spain



Kio Towers
Madrid Spain



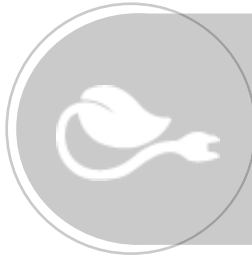
- **Royal Theater of Madrid** (Madrid).
- **Metropolitano Stadium of Atlético de Madrid** (Madrid).
- **Prisa Group Buildings.**
- **Realia Office Buildings and Shopping and Leisure Centers.**
- **CPD Torija** (Guadalajara).



FCC Corporate Headquarters -
Madrid, Spain

Installations

Electro-mechanical



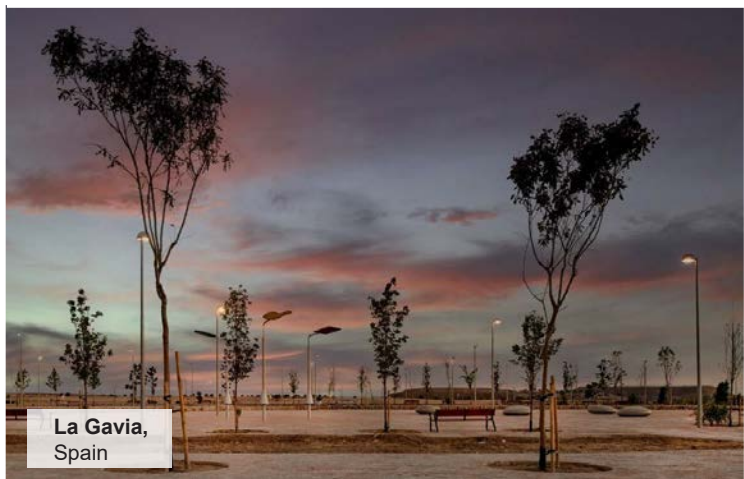
Energy
efficiency
and public
lighting

FCC Industrial is committed to being a pioneer in energy efficiency solutions in public lighting.

- Implementation of advanced LED lighting and intelligent control systems.
- FCC Industrial currently maintains around **150,000 lighting points** throughout Spain.
- More than **30,000 new light points** have been installed.



Cuña Verde, Spain



La Gavia,
Spain



- **Madrid City Council** (Madrid).
- **Granada City Council** (Granada).
- **City government of Arganda del Rey** (Madrid).
- **City government of Úbeda** (Jaén).



Catenary renovation works (Girona-Figueres), Spain

Facilities installations

FCC Industrial has more than 25 years of experience in the execution of railway electrification installations in Iberian, UIC and metric gauge; design and execution of energy, communications, civil works and building systems in railway signaling works; execution of electromechanical and civil protection installations in railway lines.



Own Equipment yard: bimodal truck



Electrification



Signaling

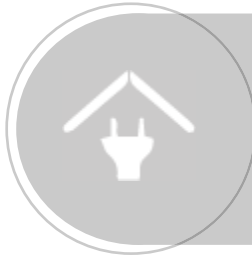


Electromechanical installations



Civil Protection Facilities

Facilities Railway



Electrification

More than 25 years of experience in the execution of railway electrification installations in Iberian, UIC and metric gauge.

- 370 km of overhead contact line execution.





- **Valladolid east bypass, Girona - Figueres.**
- **Cabezón de Pisuerga** (Valladolid).
- **Castellón - Vinaroz**
- **Vigo - Coruña**
- **Sant Andreu Comtal** (Barcelona).
- **Blanes** (Gerona) and **La Sagrera** (Barcelona).

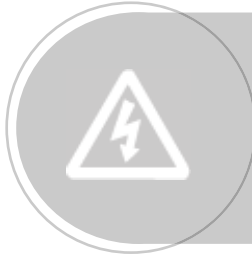
Equipment yard

Own Equipment yard consisting of catenary laying train, wagon/castle, railroad trucks, platforms, dresinas and bivial.



**Girona-Figueres,
España**

Facilities Railway



Signaling

Design and execution of energy, communications, civil works and building systems.

- 680 km of railway lines.



Cable laying



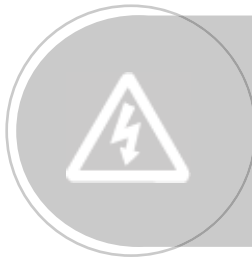
Technical Building for
railway signaling



La Sagrera Station
Barcelona, Spain

- **Vandellós - Tarragona lines**
- **Monforte del Cid - Murcia**
- **R2 and R4 of Rodalies (Barcelona)**
- **Zafra (Badajoz) - Rosales (Seville)**
- **Villanueva (Ciudad Real) - Brazatortas (Cáceres)**
- **Bobadilla (Granada) - Ronda (Málaga)**
- **Bilbao - Zaramillo (Vizcaya)**
- **Modal Center of La Llagosta (Barcelona)**
- **Access to El Prat Airport (Barcelona).**

Facilities Railway



Electro- mechanical installations

Design and execution of energy, communications, civil works and building systems.

- 680 km of railway lines.



Civil Protection Facilities



Civil Protection
Facilities



Civil Protection Facilities



High Voltage Works, Spain

Facilities Networks

FCC Industrial has more than 50 years of experience in activities related to electrical networks, such as the construction, expansion, remodeling and maintenance of installations in HV, MV and LV networks of the main electrical companies in Spain and Latin America, as well as substations, with a workshop for the assembly of electrical panels.



**Maintenance and execution
of LV/MV installations**



Substations



High Voltage Lines



Switchboard workshop



Tension work, Spain

Facilities Networks



Maintenance and execution of LV/MV installations

- More than 50 years of experience.
- Contractors approved by Iberdrola (I-DE Redes Inteligentes), Naturgy and Enel-Endesa, among others.

FCC Industrial currently provides services both nationally and internationally in:

- **37,000 km** of LV lines.
- **21,600 km** of MV lines.
- **2, 900 km** of HV lines.
- **21,600** transformation centers.

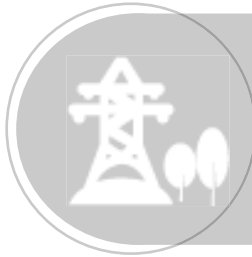


live work with own resources



Transformer station
buried

Facilities Networks



Substations

- 36 substations (25 complete and 11 extensions or remodeling).
 - Voltages from 20kV to 400kV.
 - Installed power of 4,200 MVA.
-
- **Oriol (400kV)** (Spain).
 - **Pizarro (400kV)** (Spain).
 - **Guillena (400kV)** (Spain).
 - **Barbosa/Bosque (115kV)** (Colombia).
 - **Veracruz (115kV)** (Mexico).

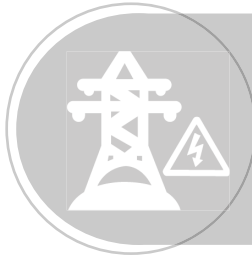


Pizarro Substation, Spain



Oriol Substation,
Spain

Facilities Networks



High Voltage Lines

- Executed 350km of 132kV to 400 kV lines.
- **Bacatá-Nueva Esperanza 500kV and 45km in Cundinamarca (Colombia).**
- **115kV and 8 km line in Tamaulipas (Mexico).**
- **66kV and 18 km line in Magraners-Altorricón (Spain).**
- **132kV double-circuit line and 21 km connection to the Alhorines substation (Spain).**



Replacement of supports in high voltage lines.



Laying works in High Voltage lines

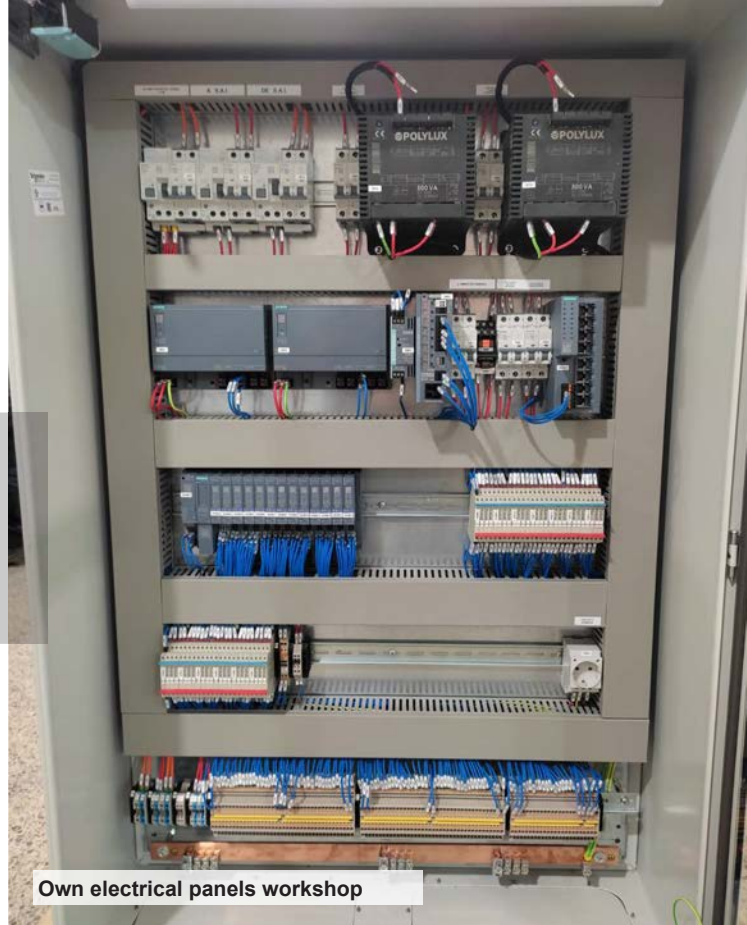
Facilities Networks



Switchboard workshop

In 2023 alone, FCC Industrial manufactured:

- 1,000 power and distribution switchboards.
- 76 Motor Control Centers.
- 529 LV switchboards.
- 3,200 combiner box and switching box switchboards.



Own electrical panels workshop



Engine Control
Center (ECC)



Tivissa-Paterna gas pipeline, Spain

Transportation by **pipelines**

FCC Industrial has been dedicated to the execution of pipeline transportation projects for decades, specializing in the execution of gas pipelines, oil pipelines and District Heating and Cooling, carrying out both onshore and offshore works.

Its experience in the sector and specialization allow it to offer a comprehensive service to its clients.



Gas and Oil Pipelines



Distring Heating & Cooling



Yela-Villar de Arnedo gas pipeline, Spain

Transportation by Pipelines



Gas and Oil Pipelines

More than 3,000 km of gas and oil pipelines up to 40".

- **Submarine gas pipelines Denia-Ibiza-San Juan de Dios, 269 km (Spain).**
- **Yela-Villar de Arnedo, 110 km in 30" (Spain).**
- **Tivissa-Paterna gas pipeline, 54 km and 40" (Spain).**
- **Samalayuca-Sasabe gas pipeline, 640 km in 36" (Mexico).**



Tivissa - Paterna gas pipelin, Spain



Gas pipeline
Samalayuca - Sasabe

Transportation by Pipelines



District Heating and Cooling

Pioneer in Spain for more than two decades.

- **Molins de Rei** (Barcelona).
- **Forum** (Barcelona).
- **Parque Tecnológico del Olivar y del Aceite in Mengíbar** (Jaén).



Barcelona Forum, Spain



La Vaguada Shopping Center Madrid, Spain

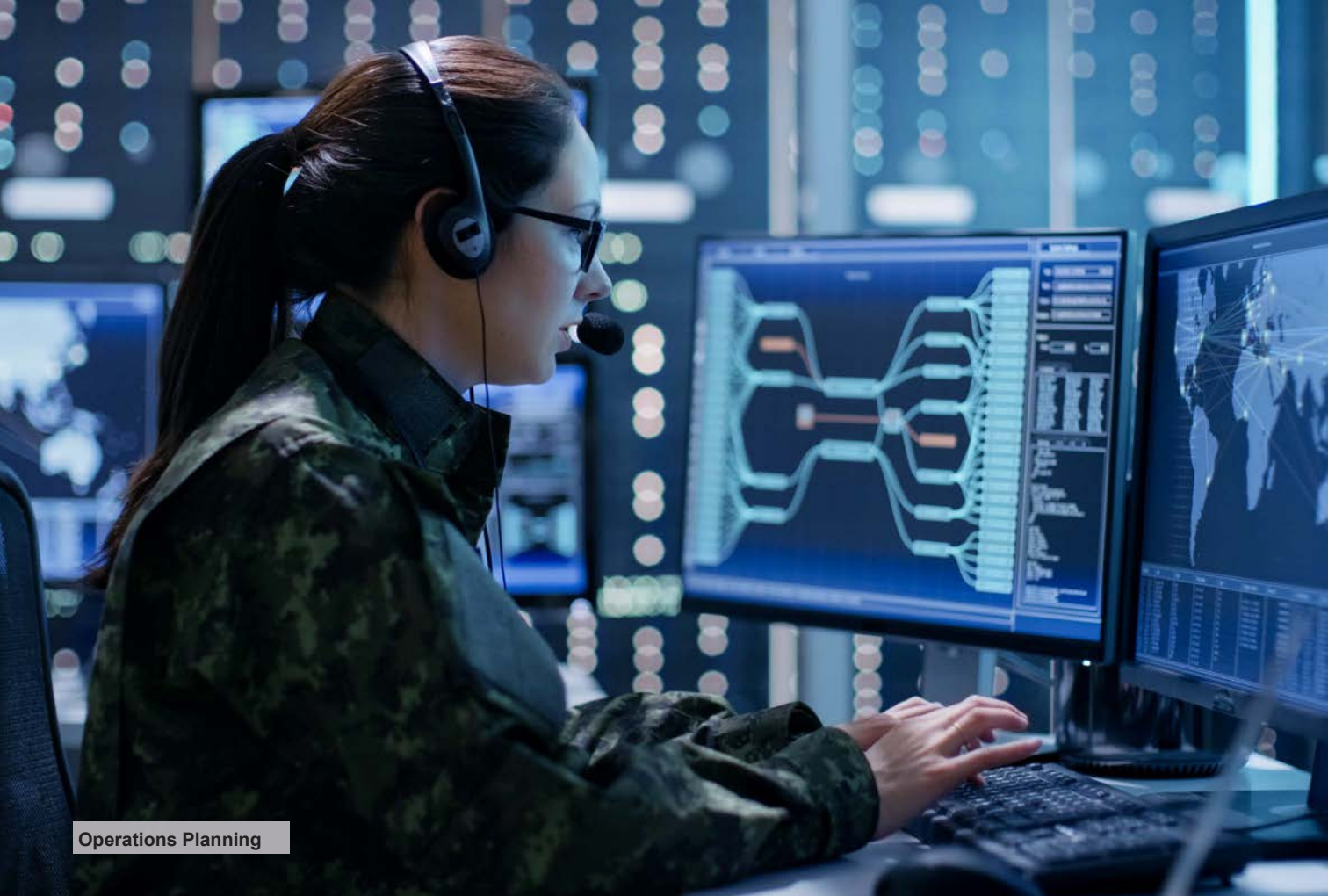


Cockpit Panel Simulation

Systems and Software Solutions

FCC Industrial specializes in the design, development and deployment of systems and software solutions tailored to the needs of our customers.

With more than 25 years of experience and a proposal of innovation and development, we support our clients in their modernization processes by developing projects according to their requirements.



Operations Planning



Connected infrastructures



Intelligent control systems



Training and simulation



Security and Defense



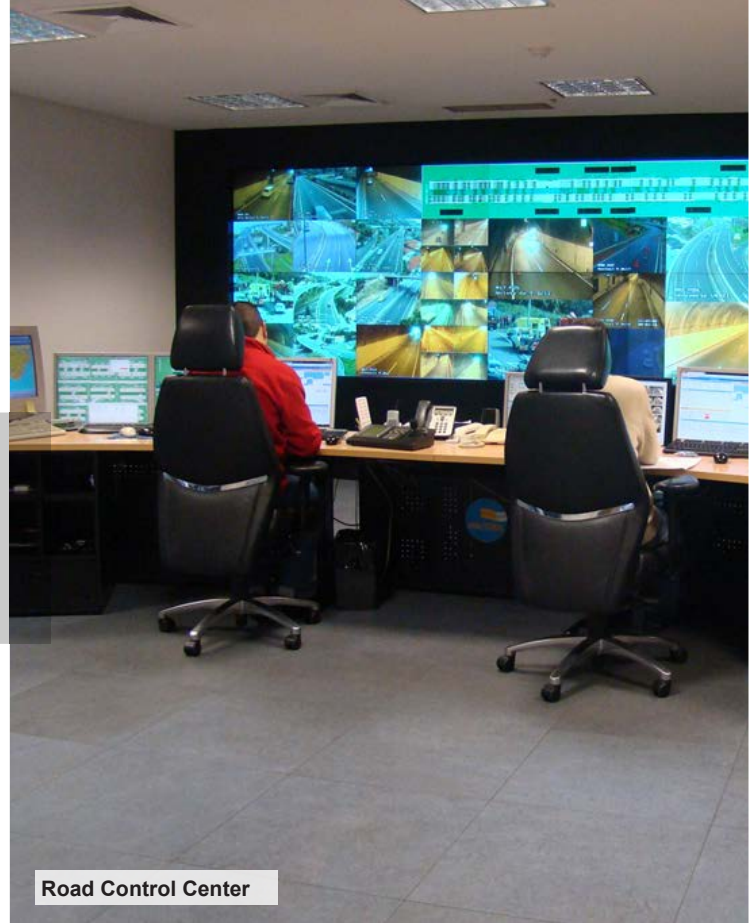
Telecommunications facilities and systems

Systems & Solutions Software

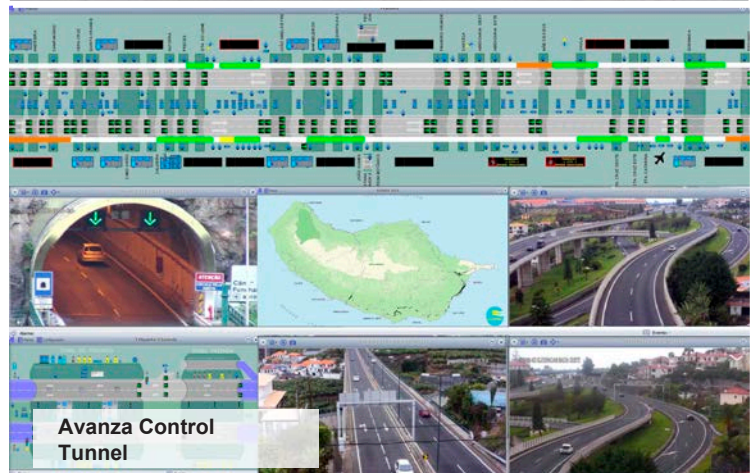


Connected infrastructures

Platforms with the ability to collect asset data in real time, analyze it and act proactively to optimize infrastructure performance.

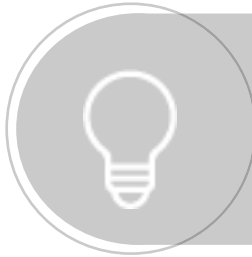


Road Control Center



Avanza Control
Tunnel

Systems & Solutions Software



Intelligent
control
systems

Physical asset monitoring and control systems and devices for traffic management and control, tunnels, industrial production and urban environments.



Build Management System Control Room



Control Center
Traffic

Systems & Solutions Software



Training and Simulation

Immersive collaborative training environments based on virtual and mixed reality.

Helicopter, fighter and parachute pilot training and education.



DGT Helicopter Trainer



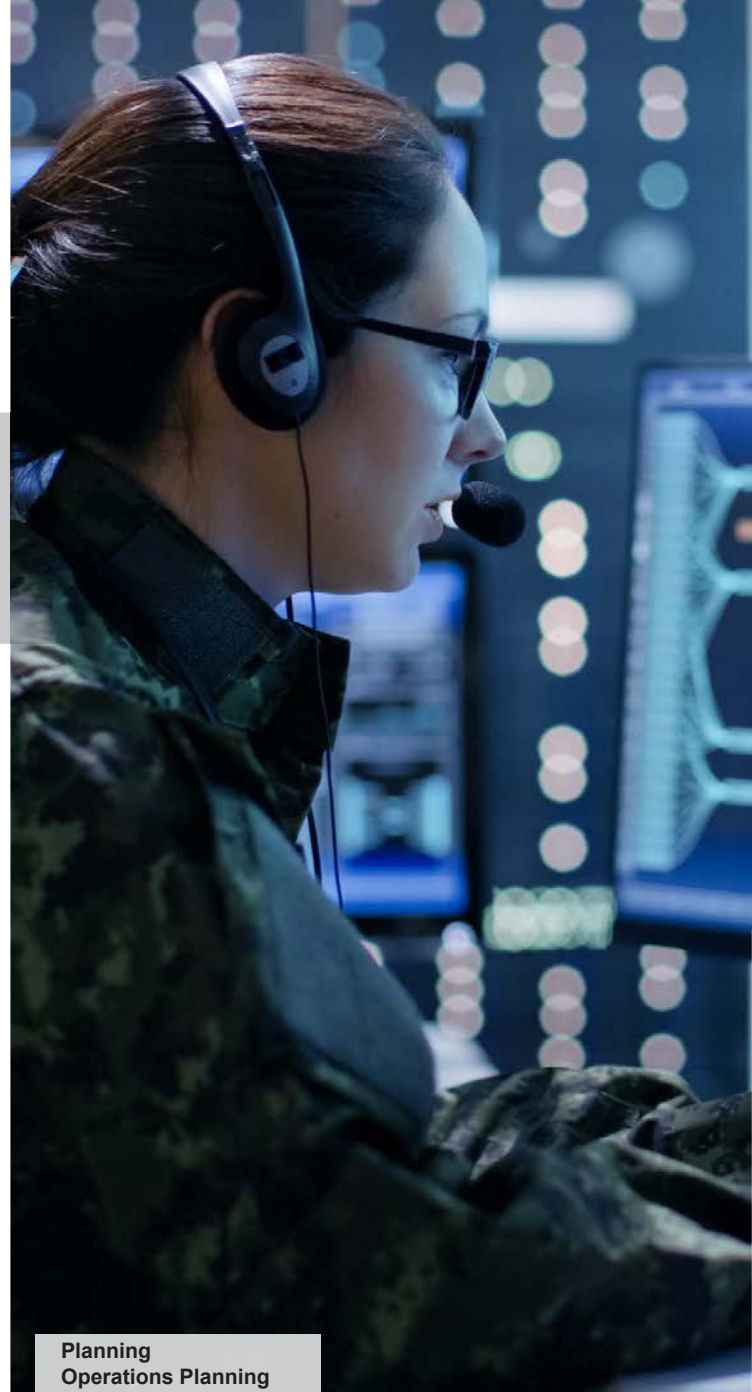
Skydiving Simulator
Parachuting

Systems & Solutions Software



Security and Defense

- Systems and tools for collaborative planning of operations at strategic, operational and tactical level, monitoring and data fusion for mission reconstruction, analysis and intelligence gathering, definition and configuration of operational scenarios.
- Air mission planning support for Spanish Air Force aircraft.
- Operations planning in NATO joint force headquarters.



Planning
Operations Planning

Systems & Solutions Software



Telecommuni- cations Installations and Systems

In the Urban Installations and Energy Efficiency department, we carry out several key projects to improve infrastructure and optimize energy use in the city.

Among our recent works, we have installed advanced LED lighting systems in public spaces, developed security and information infrastructures in tunnels and service galleries, and modernized electrical installations to reduce energy consumption. Each of these projects has been carried out with the aim of promoting sustainability and improving citizens' quality of life.



Nudo Norte - Madrid, Spain



Gas pipeline
Samalayuca - Sasabe



Nudo Norte - Madrid, Spain



Cercanías Railway Station
Madrid, Spain

- **Renovation of the Passenger Information System in more than 250 Renfe stations (+700 intercoms, +300 teleindicators and monitors, +100 station public address systems...) (Spain).**
- **Renovation of the CCTV system at Adolfo Suarez Madrid-Barajas Airport (+1,800 cameras) (Spain).**
- **Electrical installations, LV, MV, lighting, communications, BIES, dry column and ITS (SOS posts, DAI, Radiocommunications, PMV's, smoke detection, linear fire detection...) of the new Plaza de España Tunnel, Madrid (Spain).**
- **ITS and communications installations of structures 2,4 and 5 of Nudo Norte in Madrid (Spain).**
- **Security and communications installations for the new Cañaveral service gallery (13km) in Madrid (Spain).**
- **Safety and communications installations for the new Los Berrocales service gallery (7.5km), Madrid (Spain).**
- **Renewal of LED lighting in Autovía de Aragón (+3,500 luminaires and 60 projectors on 30-meter towers) (Spain).**

WE ARE FCC



3.000 kilometers of gas and oil pipelines



10 LNG tanks with the capacity to supply 1.53 million homes.



61,500 kilometers of power lines maintained



1,428 MW of photovoltaic energy installed



489,000 mirrors plants producing electricity through renewable energy sources



In 40% of the national territory, maintenance of medium and low voltage power lines



Criticality of CPD Murcia facilities with higher TIER. nZBE buildings, University of Zaragoza



1.56 million cubic meters of LNG stored in the tanks built.



150,000 light points maintained and 30,000 installed reducing atmospheric emissions (energy efficiency contracts).



70% energy savings due to our activity in municipal corporations and city councils.



Power lines of up to 400 kilovolts built in Spain and Latin America



4,200 MVA installed in substations



49,800 cubic meters of fuel storage plants



Innovation in infrastructures, cybersecurity, O&M (Big Data)



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