



Foto del mes: Inner workings of the site at Sol Station, Madrid

## Contract awards

- FCC signs financing agreement for first-generation dual carriageways.
- Córdoba's Noreña Health Centre awarded to FCC Construcción.
- RRC awarded the Catraia Dos Poços/Venda de Galizes section of the IC6 in Portugal.
- Megaplas continues its international expansion.

## Other contract awards

- **Bed for the High-Speed Atlantic Corridor, Section: A Vacariza/Rialiño (La Coruña)**, for the Ministry of Development's Directorate-General of Railways, for 91.4 million euro. The bed is eight kilometres long. The job's main features include the construction of one 866-metre-long tunnel, one 372-metre-long tunnel and five viaducts ranging between 345 and 915 metres in length.
- **Ávila Camacho/Thihuahatlán Motorway, Puebla and Veracruz, Mexico**, in a joint venture with an important local firm, for the Mexican government. This is a 47.3-kilometre-long section of road worth 91 million euro.

- **Three hundred thirty-six homes in the Ensanche Sur section of Alcorcón, Madrid**, in three contracts, for Empresa de Gestión Inmobiliaria de Alcorcón (ENGIASA).

- **Development of the La Llorera Business Area, Zone A**, in Gijón, Asturias, for SOGEPISA, for 12.5 million euro. This includes the development of 98 hectares of land for industrial use.

## Events

- FCC builds an annexe to the future Born Cultural Centre in Barcelona.
- ISO opens three new El Corte Inglés shopping centres.
- Visit to the Monzón relief road site.

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## FCC signs financing agreement for first-generation dual carriageways



On the 23rd May last FCC Construcción signed up financing for the public works concession contract for the upkeep and operation of the sections of dual carriageways A-3 and A-31 that run from the border between the provinces of Madrid and Cuenca to the border between the provinces of Cuenca and Albacete. The financing was obtained through project financing agreements between the company that was awarded the concession and two financial institutions, the Royal Bank of Scotland (RBS) and the European Investment Bank (EIB).

This is the first financing agreement for the ten sections of road where work has already begun

under the Plan for Retrofitting First-Generation Dual Carriageways (for dual carriageways built by the Ministry of Development in the 80's, under the First General Road Plan). The fact that the agreement has been closed says something about the support and commitment financial institutions are giving the bid and project submitted by FCC Construcción.

The concession will be operated for the first 19 years by the concession holder, Autovía Conquense Sociedad Anónima (AUCONSA), as a shadow toll concession.

## Córdoba's Noreña Health Centre awarded to FCC Construcción

The Andalusian regional government has awarded FCC Construcción, in a joint venture with another firm, the 36.8-million-euro contract for the Noreña Health Centre in Córdoba.

The building intended to house the Primary Healthcare Centre and High-Resolution Specialisation Centre, in the former Noreña Health Home, will be built according to the

design created by Sener Ingeniería y Sistemas, S.A., on a 9,000-m<sup>2</sup> lot located on the corner between calle Isla de Lanzarote, calle Isla Formentera and calle Islas Sisargas. It will have a total floor area of 46,000 m<sup>2</sup>, of which 14,000 m<sup>2</sup> will be in three above-ground storeys and 32,000 m<sup>2</sup> will be below ground in the four basements this healthcare complex will have.

## Ramallo Rosa Cobetar awarded the Catraia Dos Poços/Venda de Galizes section of the IC6 in Portugal

**FCC Construcción's Portuguese subsidiary will build this section for 59.4 million euro.**

Estradas de Portugal, E.P.E., has awarded Ramallo Rosa Cobetar, an FCC Construcción subsidiary in Portugal, the Catraia Dos Poços/Venda de Galizes section of the IC6 for 59.4 million euro.

The contract covers a 17.2-kilometre-long fast lane and a 4.5-kilometre-long branch road to

Tábua. Its construction will involve 2.3 million cubic metres of excavation work, 2.8 cubic metres of embankments, four viaducts, 14 overpasses, five underpasses, ten places for farm machinery to cross and 200,000 tons of bituminous mixtures.

## Megaplas continues its international expansion



Megaplas, the FCC Construcción subsidiary that does corporate image work, has won the contract to introduce the new corporate image of the FIAT Group at a dealership in Finland.

In addition Megaplas was selected to supply the necessary image components for the first prototype of dual-image Fiat-Tata dealerships. The prototype was introduced in the city of Bangalore in India.

The image components were manufactured in Megaplas's production centres in Arganda del Rey, Spain, and Turin, Italy. The prototype bears the new red Fiat logo, for which Megaplas is the only worldwide approved supplier.



## FCC builds an annexe to the future Born Cultural Centre in Barcelona



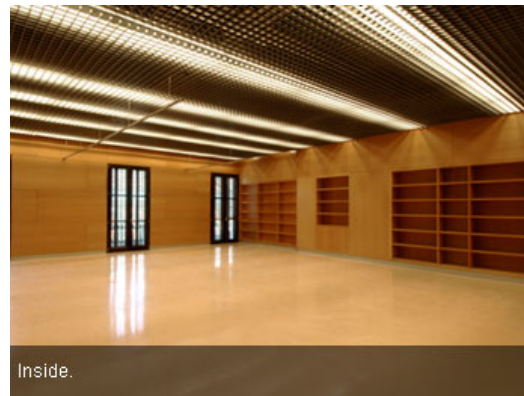
Front

In response to the discovery of archaeological remains in the subsoil of the *Antic Mercat del Born* in the historic centre of the city of Barcelona, FCC has constructed a building intended and proposed as utilities headquarters for the new cultural centre scheduled to be raised in this landmark space.

The building is seen functionally as three clearly differentiated bodies. The ground floor and the three upper floors are for use as administration offices, management offices and a study centre; they are all organised on an open basis, with a flexible distribution scheme. The two upper storeys, like the basement, are meant to house the equipment and facilities necessary for the building's own use and for the use of the future cultural centre that will be built in the *Mercat del Born*.

The singularity and requirements of the project have made it necessary not only to build the connection to the basement (The cultural

centre's utilities run through the basement, crossing the street under the sewage tunnel), but also to respect the urban design requirements embodied in the construction of the building's façade by maintaining the late-nineteenth-century design of the original architect, Josep Fontserè.



Inside.

### Team

**Department head:** Enrique Fernández  
**Construction manager:** Lluís Ribera  
**Production chief:** Phase 1: Marc Fayos / Phase 2: Mari Chamorro  
**Works technician:** Jaume Fradera  
**Administration chief:** Sergio Sanchez  
**Foreman:** José Antonio Fernández

## ISO opens three new El Corte Inglés shopping centres



Hipercor in Elche.

Ibérica de Servicios y Obras, S.A., ISO, an FCC Construcción subsidiary, has recently opened three new shopping centres for El Corte Inglés in Albacete, Jaén and Elche. These latest openings just add to a long list of projects for this same client and confirm ISO as the number-one Spanish builder in projects of this type.

The El Corte Inglés shopping centre in Albacete is located on a 9,600-square-metre lot. It has four basements, a semi-basement and a ground floor topped by seven additional storeys.

The Hipercor shopping centre in Elche is situated on a 30,000-square-metre lot in a newly created park. It has got four basements and a ground floor topped by three additional storeys.

The El Corte Inglés shopping centre in Jaén is located on a 15,000-square-metre lot and it has four basements, a ground floor and six additional storeys above that.



El Corte Inglés in Albacete.

## Visit to the Monzón relief road site



The site at present.

In the month of May last, the secretary of state for Planning and Institutional Relations, Víctor Molrins, and the head of State Road Demarcation in Aragón, Rafael López Guarda, accompanied by the architectural supervisor, Joaquín López, visited the site of the Monzón relief road that FCC Construcción is building in Huesca.

The Monzón relief road is a dual carriageway on a new twelve-kilometre-long layout. It consists of two individual roadways, each with two 3.50-metre-wide lanes, a 2.50-metre-wide outer verge and a one-metre-wide inner verge, plus a ten-metre-wide median.

The section contains four junctions: the Castejón del Puente junction, the Fonz junction, the La Almunia junction and the Monzón-Este junction. In addition, the dual carriageway crosses the Cinca and Sosa rivers over two viaducts.



The site at present.

### Basic information

**Job name:** A-22 dual carriageway. Lleida-Huesca. Section: Monzón relief road.

**Developer/Owner:** Ministry of Development

**Contractor:** UTE FCC Construcción (70%) Joca (30%)

**Budget:** €49,620,978 (VAT not included)

## Paraninfo Building at Zaragoza University



### The original building

The building known as “Paraninfo” (Auditorium) was originally the home of the Schools of Medicine and Science, and as such it was used from its inauguration in 1893 until the School of Medicine moved to the San Francisco Campus in 1973. It is therefore, after the disappearance of the original building where Zaragoza University was founded, the university’s oldest historical construction and probably the most well known and thoroughly studied. The building’s monumental nature and great artistic value have contributed to this.

The Paraninfo building is the only university construction declared an Official Asset of Cultural Interest, and it has become the institutional image of Zaragoza University.

This monumental building has been preserved just as it was designed 115 years ago by Ricardo Magdalena Tabuenca, who designed a set of three constructions with huge windows, separated from one another but surrounded by a fence that cut them off from the city: the School itself, facing onto Plaza Paraíso; the Hospital Clínico (currently the home of the School of

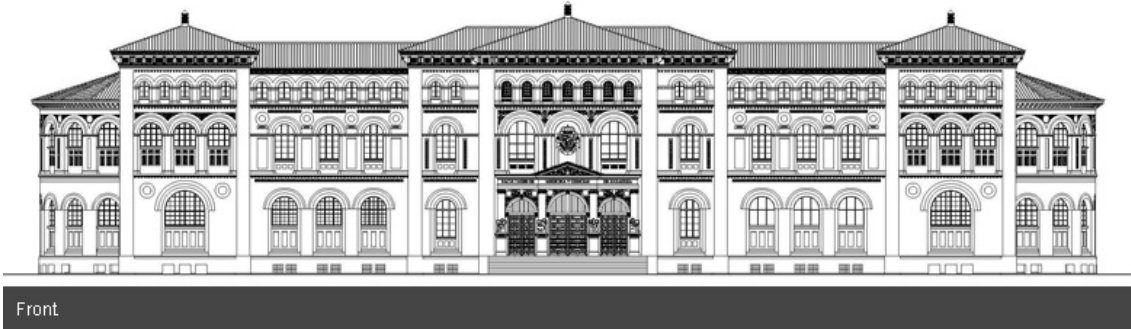
Economics and Business); and the Dissection Pavilion, which no longer exists.

The Paraninfo is a quadrangular building that encloses an open courtyard fringed by a cloister, to which the Aragonese architect added a number of exedras or semicircular halls whose twofold function was to act as classrooms and to enrich greatly the interplay of volumes in the building.

The original materials used in the building were of local origin: brick on the outer walls, Tafalla stone for the stonework in walls, Fonz stone for the sculptures, plaster for the decorative motifs indoors, wooden beams and wooden frameworks covered by double-pitch or several-pitch roofs made of Arabic roof tiles.

From the ornamental point of view, there is a fantastically rich assortment of iconographic material in the form of medallions, busts and sculptures tracing the history of the sciences and medicine through their foremost protagonists, Aragonese and foreign learned men, doctors and scientists.

- Designed in 1886, opened in 1893
- Architect who drew up the original design: Ricardo Magdalena Tabuenca
- Floor area: 13,447 m<sup>2</sup>
- Original contractor’s budget: 2,345,121.36 pesetas
- Construction company: Juan Pruneda y García
- Architectural supervision for the original building: Ricardo Magdalena Tabuenca



Front

## The refurbishment

The project to refurbish the building is part of Zaragoza University's 2006-2012 infrastructure plan, and its fundamental objective is to restore the building to its original splendour by recovering lost values, taking advantage of other, hitherto overlooked values and respecting the structure, physiognomy and distinctive traits of the building's construction. The design is the work of the architects Luis Franco Lahoz and Mariano Pemán Gavín.

A deep-reaching, wide-ranging effort was invested in recovering 9,000 m<sup>2</sup> of the building that had fallen into disuse; without any doubt this may be said to be the most in-depth reform since the building was first raised over a hundred years ago.

The reform design covered the three facets proposed as the objective of the refurbishment: the university's institutional facet, with the presence of the Rectorate, which is added to the presence of the Social Council; the cultural facet, with the incorporation of new, well-prepared exhibit space; and the building's facet as a venue for the organisation of conferences

and university events to disseminate scientific knowledge.

The facilities belonging to the General University Library and the Royal Academy of Medicine are also maintained.

Without any doubt the refurbishment of the Paraninfo building by FCC Construcción has recognised the value of the oldest of the university's buildings and the most symbolic of its constructions, for all of Aragonese society to use and enjoy.



- Building refurbishment designed in 2005, opened in 2008
- Architects: Luis Franco Lahoz and Mariano Pemán Gavín
- Total floor area (including new basements): 16,368.78 m<sup>2</sup>
- Original budget for the design: 17,889,861.00 euros (VAT included)
- Construction company: UTE PARANINFO (FCC Construcción-Estructuras Aragón)
- Architectural supervision: Pemán y Franco Arquitectos S.C.

## Team

**Department head:** Antonio Gracia Vera  
**Production chief:** Alfonso Rivera Aznar  
**Administration chief:** Luis Jimenez Chapresto  
**Foreman:** Julián Martínez Haro



## Laboral Art and Industrial Creation Centre



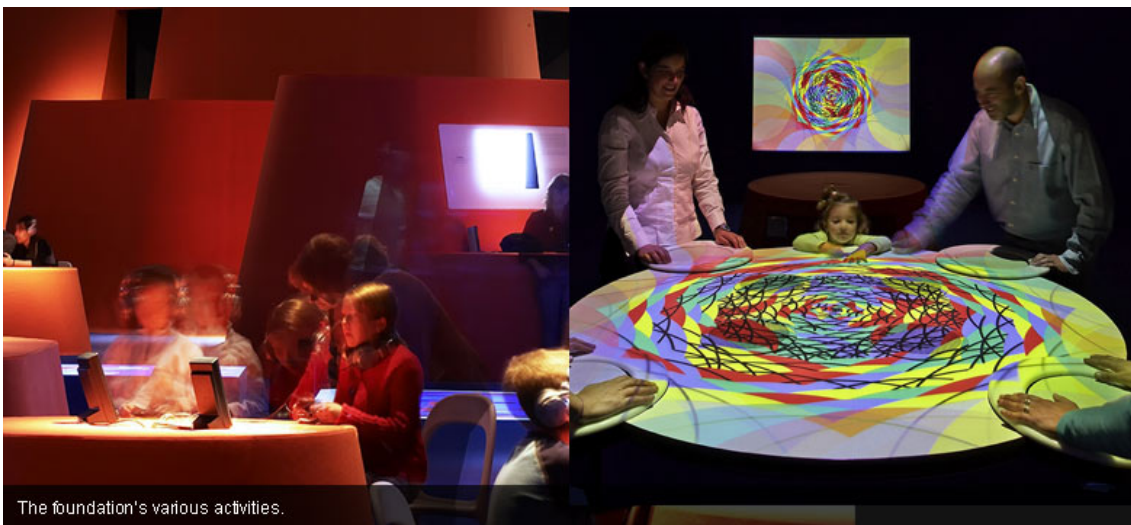
The lobby at the Laboral Foundation Art Centre.

FCC Construcción is one of the founders of the Laboral Art and Industrial Creation Centre, which arose from a project sponsored by the Government of the Principality of Asturias, the driving force behind the refurbishing and retrofitting of 14,338 square metres of useful space in part of the buildings originally used as workshops at Gijón's old Universidad Laboral.

Laboral is an exhibition centre specifically dedicated to art, science, technology and the advanced visual industries, but it is also a place for artistic and technical production, education and research and for showcasing new forms of art and industrial creation. It is not a regular museum, nor is it restricted to being an

exhibition space or a place to display new trends. At Laboral the gates are thrown open to not only production, creation and research through courses and workshops on the latest in artistic concepts, but also everything that is covered by the new term "industrial creation", which actually just means converting creativity into a cultural asset that can drive economic growth.

On its constantly updated web page, [www.laboralcentrodearte.org](http://www.laboralcentrodearte.org), information is available on the various events the foundation organises, including the latest exhibits, workshops and concerts.



The foundation's various activities.

## Employees of the Technical Manager's Office at FCC Construcción organise their second padel tournament



Padel tournament participants.

The Second Padel Tournament of the FCC Construcción Technical Manager's Office was held on Thursday last, the 19th June, at the Somontes Sport Complex in Madrid.

In view of the first tournament's success, the employees at the Technical Manager's Office got together again with family and friends to spend an afternoon of fun and sport together.

All in all 40 players (20 teams) participated, and after the tournament there was a party with prizes and trophies for the winners of the different categories, and a drawing was held, with gifts for players and others in attendance.



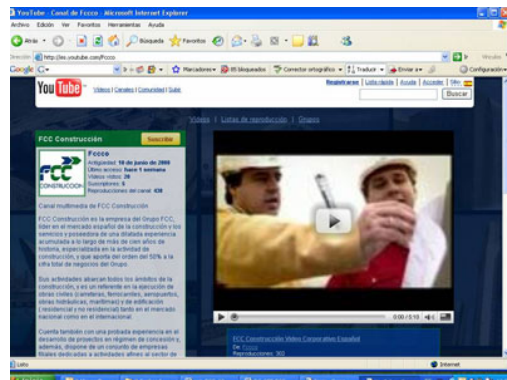
Trophies.

## FCC Construcción rolls out its multimedia channel on Youtube

FCC Construcción is rolling out its multimedia page <http://es.youtube.com/Fccco> on Youtube to make audiovisual information on the company available to web surfers.

The new website gives users a way to interact with FCC Construcción by seeing and sharing videos, checking out the monthly e-bulletin with the latest news and sending the company their opinions, comments and suggestions.

This channel's debut is just another step forward in FCC Construcción's commitment to dialog and information transparency.



## FCC Construcción chairman receives the Association of Civil Engineers' Medal of Honour



At the left, José Mayor Oreja, receives the Medal of Honour of the Association of Civil Engineers.

The chairman of FCC Construcción, José Mayor Oreja, received the Medal of Honour of the Association of Civil Engineers at a crowded event held in the Agustín de Betancourt Hall and presided over by the Association's president, Edelmiro Rúa.

The Medal of Honour is given out each year to civil engineers who have stood out in some well-known public way or have performed engineering feats of unquestionable merit or done the profession some outstanding service.

## FCC Construcción sponsors a technical workshop on tunnelling in Barcelona



On the 22nd May last a workshop was held at the Vértex Building of the Polytechnic Construction Foundation of Barcelona, entitled "EPB Tunnels: TBM Simulation and Control", sponsored by FCC Construcción.

The different highly technical presentations, given by speakers from Spain and Europe, dealt

with the critical aspects of tunnelling using earth pressure balance (EPB) TBMs.

One of the more outstanding presentations was the lecture entitled "Experiences in EPB Tunnelling. Mode of Operation, Ring Movements and Surface Settling", by José Manuel Gutiérrez Manjón, director of the Geotechnical and Linear Works Service at FCC Construcción's Technical Services, and Didac Plana Aguilar, one of the Services' geological engineers in Catalonia.

The lecture discussed the working parameters of EPBs and particularly described some experience in several tunnels bored with the TBMs FCC Construcción is using in Madrid and Barcelona. This experience has to do with the need to do preliminary work to improve the earth in areas where coverage is thin, the difficulties encountered in some excavation sections where the earth varies widely in terms of hardness, the subsidence that has been measured in settling and the movements experienced by lining rings when they emerge from the shield's tail.

## Global Vía buys two Chilean motorways for 343 million euro

Global Vía Infraestructuras, a company created in equal shares by FCC and Caja Madrid, has been awarded the Chilean motorways SCADA and SCADI for 343 million euro, in the sales procedure the roads' current owner, the Mexican state bank Bancomext, kicked off early this year through an international tender in which the sector's major companies participated.

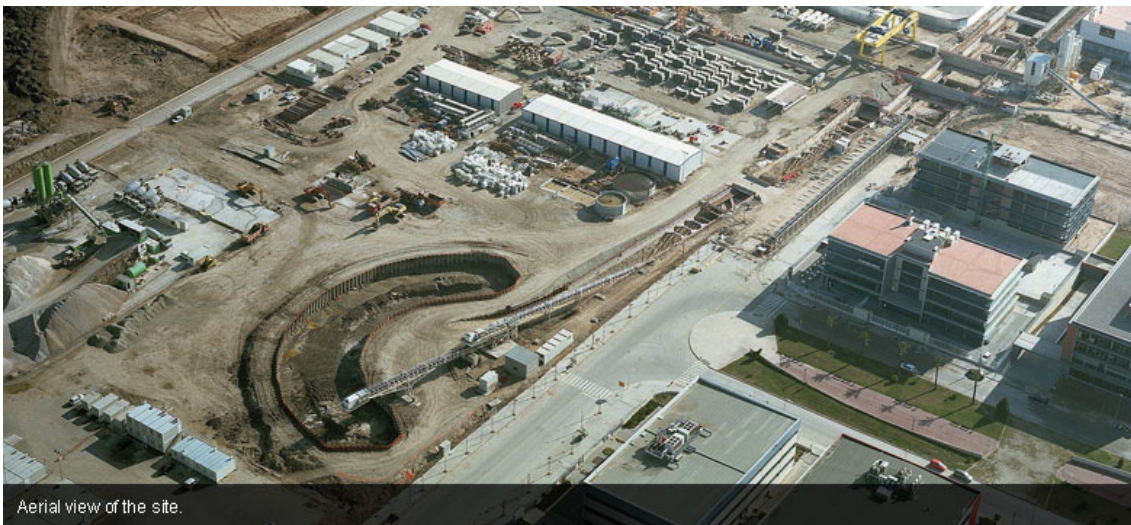
This is Global Vía's first acquisition on the American continent. With this stake in the Chilean infrastructure market, in addition to gaining the high potential the newly purchased assets will offer once they are brought under private management, Global Vía has made itself into one of the main operators in the region and established a key centre of operations for winning a high market share in the important infrastructure bidding process that will be starting in just a few brief months in Chile.

The 218-kilometre-long SCADA motorway connects Santiago with Los Vilos, north of Santiago. It sees an average traffic of 35,414 vehicles daily and forms part of the Pan-American Route, the country's most important highway, which crosses most of Chile's cities along its path. It has three toll stations, 40 bridges, 30 junctions and one 300-metre tunnel.

The 89-kilometre-long SCADI motorway connects Concepción with Chillan, and it sees an average traffic of 7,280 vehicles daily. It has got six junctions, one trunk toll station and two ramp toll stations, with 45 level crossings and one 240-metre bridge.

With the incorporation of these two motorways, Global Vía has become consolidated as the fifth-largest world operator of infrastructure, with 40 concessions in Europe and America. In America it owns motorways in Mexico and Costa Rica.

## FCC Construcción sets a new TBM record at the El Prat de Llobregat site



Aerial view of the site.

### Sixty metres in 24 hours with a 9.4-metre-diameter EPB machine

On the 28th March, at the Metro line 9 construction site in El Prat de Llobregat, Barcelona, in one 24-hour shift FCC Construcción, in a joint venture with other firms, dug out 60 metres of tunnel using a 9.4-metre-diameter EPB (earth pressure balance) tunnel-boring machine, a record for this size.

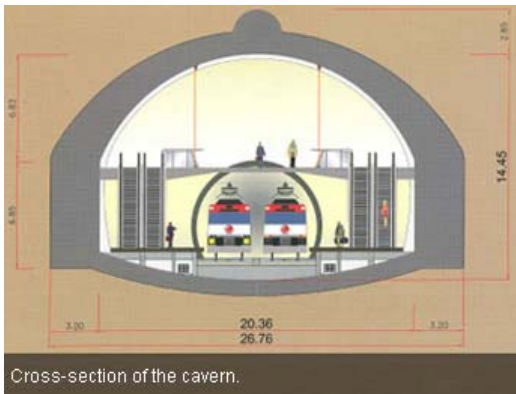
The job consists in building a twelve-kilometre-long tunnel plus stations and shafts for the section.



The tunnel-boring machine.

## New local train station at Puerta del Sol

FCC Construcción is building the new local train station that will connect Atocha and Chamartín through a single 8,500-metre-long tunnel and allow the two local train lines that currently reach their terminus at Atocha, C-3 (Aranjuez) and C-4 (Parla), to get their passengers directly into the centre of the city without the need for transfers. The number of connections with the Metro system will also be increased.



Sol Station, located in Puerta del Sol, has two main parts: its platform cavern and its entrance and Metro transfer concourse.

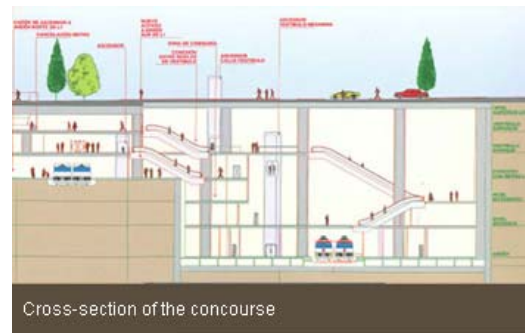
The concourse is being built from the ground level, using retaining walls with floors in between. The cavern is unique in all the world because it stands 207 metres long, over 20 metres wide and 15 metres tall. It has been conceived as a two-story space, the lower area being for platforms, and the upper area to make it easier for passengers to get where they are going. The hallway connections with Metro lines 1, 2 and 3, which also go through Puerta del Sol, are being finished up at present.

The safety measures that have been taken during this job are one of the aspects that is

receiving the most attention. From the shafts and galleries, preliminary treatments have been applied to the earth, consisting in earth-consolidating injections, fill for holes, compensation, reinforcement and improvement to ensure that the buildings and structures standing on top of the cavern are fully protected. An area of 1.5 hectares has been protected with these treatments, and over 15 kilometres of injection work was done in all.

The result of these treatments on the surface and in structures has been tracked using 400 control devices whose data are collected several times a day. These data are analysed daily to track the situation. These instruments have been complemented by a preliminary computer model of the cavern construction process, including the injected reinforcements and their possible repercussions on the surface. The excellent results have demonstrated both how good the construction system is for this application and how effective the protective treatments are.

Development Minister Magdalena Álvarez visited the site of the new local train station at Puerta del Sol on the 29th May. The job is being done by FCC Construcción for a budget of 140 million euro.



### General characteristics of the station

#### Caverna de andenes

- **Length:** 207 metres
- **Inner height:** 14.45 metres
- **Inner width:** 20.36 metres
- **Length of galleries excavated:** 4 kilometres

### Facilities and operation

- Transfer to Metro lines 1, 2 and 3
- Escalators: 30
- Lifts: 4
- Ventilation shafts: 3
- Emergency exits, fire detection and extinction devices
- Local control centre
- Mobile telephone enabled
- Accessible to persons of reduced mobility and communication abilities

## FCC has presented its 2008-2010 Strategic Plan



FCC anticipates growing by 30% in three years, increasing its turnover to more than 18,000 million euro in 2010, according to the 2008-2010 Strategic Plan presented on the 21st May by the chairman, Baldomero Falcones. The plan envisages that half of FCC's business will come from activity abroad.

The company's value for stockholders will increase by more than 50% while maintaining the current indebtedness ratio.

To meet these objectives, the company controlled by Strategy Committee chairman Esther Koplowitz anticipates investing close to 4,100 million euro.

The 2008-2010 Strategic Plan was prepared by FCC's executive team and approved by the Board of Directors on the 12th May. The plan's goal is to consolidate FCC as a diversified, international group, a leader in services and infrastructures.

The plan's main objectives can be summed up in the following figures:

1. **Returns:** To generate an increase in value of over 50% for stockholders.
2. **Leadership:** To reach 18,000 million euro in turnover (30% more than in 2007).
3. **Diversification:** Services will be the group's main source of EBITDA: over 50% in 2010.
4. **Internationalisation:** Revenue from abroad will account for over 50% of all revenue.

And this will be in an economic context characterised by slowing economic activity in the developed countries, as opposed to growth in the emerging countries, with more forbidding financial and capital markets, which will make for higher financing costs.

The growing demand for investment in transport and service infrastructure in the developed and emerging countries alike, a growing concern for the environment, recycling and water management will palliate the slowdown in construction and real estate activity linked to the Spanish residential market.

To reach the targets it has set for itself, FCC is launching three major strategic lines, which will altogether call for an investment of over 4,000 million euro:

Consolidation of current business, maintaining FCC's leading position and market share in the markets where it does business, and consolidation and integration of the acquisitions made over the last few years. The Group anticipates investing around 1,400 million euro in boosting its current businesses.

There are opportunities for growth to be taken advantage of in services and infrastructure, in the strategic areas of the United Kingdom, central and eastern Europe, the United States, Mexico and emerging countries. To that end the FCC Group will be investing 2,600 million euro in acquisitions and development in the 2008-2010 period. Additionally, the group wants to diversify its business toward the energy sector and is especially interested in the areas of cogeneration, energy efficiency and renewable energy sources.

Increase in the organisation's efficiency, talent management and cost optimisation.

The Strategic Plan also calls for maintenance and improvement of the company's financial solvency and capacity, by keeping the corporate indebtedness ratio to under 3 times EBITDA in the 2008-2010 period.

In addition, emphasis will be placed on maintaining strict financial discipline, generating cash, internationalising sources of financial resources and strengthening relations with investors.

FCC wants to be recognised by the society it serves for its contribution to sustainable development. The 2008-2010 Strategic Plan will provide drive for initiatives related with corporate responsibility, transparency and good governance that will enable FCC to reach its objectives.