

- ▶ OVER 7 BILLION EUROS IN SALES
- ▶ AQUALIA WINS WATER CONTRACT IN SANTANDER



# ▶ Tizona, the world's largest tunnelling machine

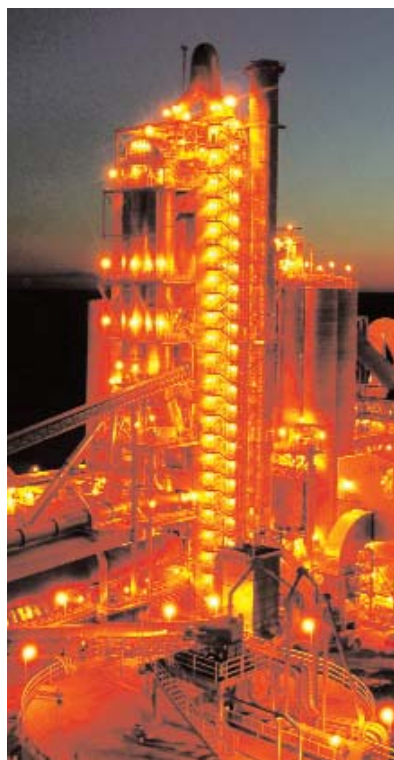
# FCC profit up 16.2%

## SALES CLIMB TO OVER 7 BILLION EUROS

**F**omento de Construcciones y Contratas, S.A. (FCC) posted 7,089,8 billion euros net sales in 2005, 11.7% higher than the previous year. All core business areas recorded strong growth rates: Construction was up 7.2% after posting 15% growth in the last quarter; Services registered a 19.3% increase accounting for 39.5% of consolidated sales; and Cement gained 10.3% bolstered by the strength of the Spanish market and the upturn in the United States. International sales grew 8.1% boosted by Environmental Services (+22.1%), representing 9.9% of the Group's total sales. The project and services order book reached a record level of 20,496.8 million euros, 24.9% higher year-on-year.

### ► Construction

Construction activities increased 7.2% in the year, with this trend gradually increasing over the course of the year reaching 15.2% in the last quarter. This performance was bolstered by large projects, such as the revamping of the M-30 in Madrid, Terminal 4 at Barajas Airport, the Pajares tunnel, and the Ciudad de Justicia in Barcelona. The sales breakdown in Construction activities by



segments is as follows:

- **Civil Works:** 57%.
- **Non-residential buildings:** 27%.
- **Residential buildings:** 16%.

### ► Environmental Services

Environmental Services registered 13.7% growth, the sales breakdown is:

- **Urban Sanitation:** 57.6%.
- **Water:** 27.4%.
- **International:** 9.6%.
- **Industrial Waste:** 5.4%.

International activities grew 22%, representing 9.6% of total sales



with Latin America (57%) and the United Kingdom (37%) as the main growth drivers.

### ► Versia

Sales at this company, involved in non-environmental services, were 38.9% higher, reaching 721 million euros:

- **Logistics:** 38.3% of the total. Strong business momentum plus the incorporation of Grupo Logístico Santos contributed to 151% of this division's growth.
- **Handling:** 23.2% of the total, grew 9% boosted by the national market and Belgian operations.
- **Urban furniture and fixtures** contributed 12.9% of total sales. Sales in 2005 were 13% higher thanks to the strong Spanish market and international expansion.
- **Parking facilities:** generated 8.3% of total sales, posting 1.4%

### SALES BY BUSINESS AREA (MILLION EUROS)

	Dec-05	Dec-04	% Variation	%/ Sales Dec-05
Construction	3,346.7	3,123.0	7.2	49.2
Environmental Services	2,078.0	1,827.5	13.7	28.8
Versia	721.5	519.4	38.9	10.2
Cement	978.4	886.8	10.3	13.8
Torre Picasso	18.0	17.1	5.3	0.3
Intra-Group	-52.8	-25.0		
Total	7,089.8	6,348.8	11.7	100.0



## ► INCOME BEFORE taxes grows 18%

growth in 2005.

- **Conservation and Systems:** contributed 7.6% of Versia's total sales which were up 8.3% in the year.
- **ITV (Technical Auto Inspection):** 5.7% of the total, with 9.6% growth in the year.
- **Urban Transport:** accounting for 3.9% of the total, sales in this division grew 11% year-on-year.

### ► Cement

At 978.4 million euros, Cementos Portland Valderrivas consolidated sales were 10.3% higher than a year ago. The breakdown by business areas is as follows:

- **Cement:** 65.5%.
- **Concrete:** 24.8%.
- **Other (aggregates, waste recovery, construction materials, and transport):** 9.7%.

**ALL CORE ACTIVITIES posted strong growth rates. Construction reported 7.2% growth after increasing 15% in the last quarter; Services increased 19.3% and account for 39.5% of consolidated sales; and the Cement division's sales grew 10.3% shored up by the strong Spanish market and business upturn in the United States.**

The strength of the Spanish market, where Cementos Portland Valderrivas sales climbed 12.1% in the year, and the business upturn in the United States (+4.4%) contributed to this division's enhanced performance.

U.S. sales accounted for 20.2% of the total, bolstered by greater efficiency in the Maine and South Carolina factories where strong expenditures were allotted to revamping the facilities, as well as by the 11.9% increase in cement prices.

### ► Earnings

Gross operating income (EBITDA) totalled 988.9 million euros, 17.4% higher, with the EBITDA/Sales margin at 13.9%, six decimal points higher than in the previous year.

Net operating income (EBIT) grew 16.1%, to 656 million euros, with consolidated margins at 9.3%.

At 696 million euros, income before taxes (EBT) was up 17.9% year-on-year, thanks to the contribution of equity-accounted earnings and lower financial debt. Equity-accounted earnings reflect the contribution of Realia, the FCC-Caja Madrid real estate company. In 2005, this contribution was 67.5 million euros versus 52 million euros a year earlier, showing 29.99% growth.

Realia's net sales at year-end were 597.2 million euros, up 5.7%. EBITDA reached 230 million euros, 9.5% up year-on-year. In this period, the Group's reported earnings totalled 137.3 million euros, 29.9% higher.

The parent company's reported earnings grew 16.2% against the previous year reaching 421 million euros.

Investments were 943 million euros compared to 624.6 million euros a year earlier, that is, 51% higher, with the Group's net debt totalling 403 million versus 270 million euros at the end of 2004. The workforce at 31 December 2005 totalled 67,562 reflecting an additional 3,960 jobs. ■

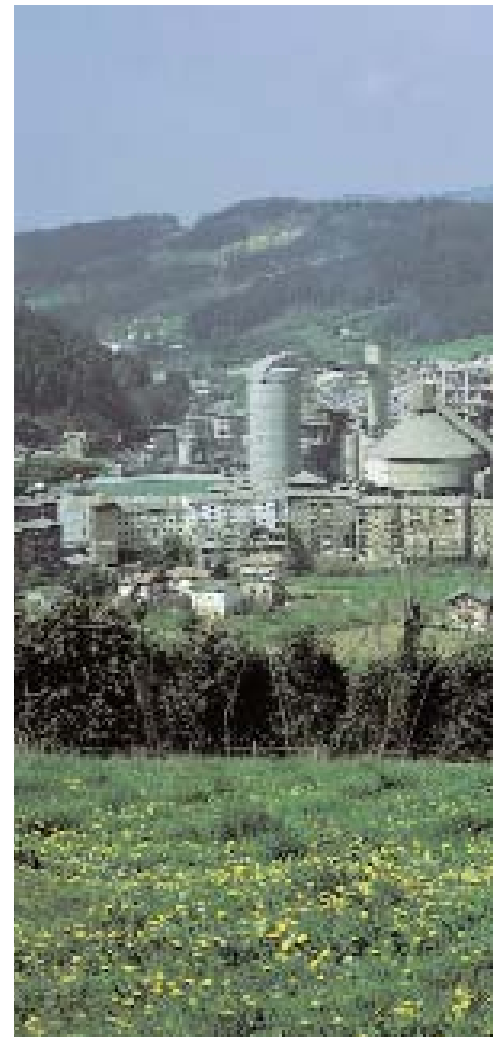
### EBITDA BY BUSINESS AREA (MILLION EUROS)

	Amount	% Total	%/ Sales Margin
Construction	191.4	19.4	5.7
Environmental Services	342.8	34.7	16.5
Versia	110.7	11.2	15.3
Cement	312.3	31.6	31.9
Torre Picasso	15.9	1.6	88.3
Intra-Group	15.8	1.6	
Total	988.9	100%	13.9

# Cementos Portland Valderrivas controls 96% of Lemona at the conclu

**C**ementos Portland Valderrivas has taken control of 96.06% of the share capital of Cementos Lemona at the close of the public takeover bid launched last December. With this level of acceptance, final investment will reach over 234 million euros. According to data provided by BBVA, the settlement agent of the operation, 65.3% of shareholders accepted the public offer. This, plus

significant synergies between the two companies. This transaction will also bolster Cementos Portland Valderrivas' positioning in the cement market in northern Spain, with factories in Olazagutía (Navarre), Mataporquera (Cantabria) and Lemona (Vizcaya). The Mataporquera factory belongs to Cementos Alfa, 80% of which is owned by Cementos Pórtland Valderrivas and 10% by Cementos Lemona.



Company's 30.7% stake brings the total to 96.06%. All major shareholders of the Basque cement company and 88% of minority shareholders accepted the offer, underscoring the success of this transaction.

Cementos Portland Valderrivas launched a public takeover bid for 100% of Cementos Lemona (11.2 million shares), after reaching an agreement to acquire 19.31% of the share capital controlled by Corporación Noroeste (Cimpor Group). The offer of 32 euros per share payable in cash was contingent upon obtaining 50% plus 50 shares of the company's share capital.

The total integration of Cementos Lemona in the Cementos Portland Valderrivas Group will create

### ► International strategy

Cementos Portland Valderrivas and Cementos Lemona each owns a 50% stake in CDN USA, a cement company operating a factory in Maine, and consequently, this transaction means that Grupo Fomento de Construcciones and Contratas

**JOSÉ IGNACIO Martínez-Yzenga in the centre, Fernando Vázquez, from BBVA, on his right and Fernando Irigoyen of BBK on his left.**

will have a 100% shareholding in this company.

Cementos Portland Valderrivas, through Giant Cement, owns two other factories in the United States: one in South Carolina and another one in Pennsylvania. The U.S. construction sector is currently in an expansion phase

### FINANCING DEAL FOR LEMONA TAKEOVER BID CONCLUDED

On 22 February, Cementos Portland Valderrivas entered an agreement for financing the takeover bid launched for acquiring the total share capital of Cementos Lemona.

The facility agreed upon is divided into two tranches: a five-year syndicated loan of 150 million euros and an overdraft facility of up to 60 million euros. Bilbao Bizkaia Kutxa (BBK) has acted as the lending bank for this finance facility could total approximately 210 million euros. The FCC Group cement company will pay for part of the Lemona acquisition with cash.

BBK, BBVA and Banco Sabadell will underwrite the syndicated loan, with the participation of Banesto and La Caixa.

Pursuant to the agreement, the loan will be repaid upon maturity ('Bullet'); that is, by 2011.

## sion of its public takeover bid



and the price of cement has risen sharply in recent months. The public takeover bid for Lemona, therefore, implies the consolidation of Cementos Portland Valderrivas in the eastern seaboard of the United States. The Lemona integrations is in keeping with the FCC strategy announced in April 2005 and led by Esther Koplowitz, the Chairman of the FCC Strategy Committee and Vice-Chairman of Cementos Portland Valderrivas. This plan calls for an approximate 100% increase in the Group's sales and EBITDA over the next three years. In line with this strategy, FCC acquired an 8.06% stake in Cementos Portland Valderrivas from Iberdrola, bringing its total shareholding in this cement company to 66.82%. ■

### JOSÉ IGNACIO MARTÍNEZ-YNZENGA, NEW CEMENTOS PORTLAND VALDERRIVAS CEO



At the proposal of Esther Koplowitz, FCC's main shareholder and Vice-Chairman of the cement company, the Board of Directors appointed José Ignacio Martínez-Ynzenga as the new Chief Executive officer, to fill the post held by Rafael Martínez-Ynzenga who, after 48 years with the company, has decided to retire.

The proposal was approved at the Cementos Portland Valderrivas Board of Directors in its meeting on 31 January 2006.

Esther Koplowitz mentioned that "the appointment of José Ignacio Martínez-Ynzenga, is a recognition of his brilliant career with the company. His experience in the management and development of this great Group brings added value to the growth and internationalisation strategy of Cementos Portland Valderrivas and the FCC Group."

The new Chairman of Cementos Portland Valderrivas, with a degree in physics, was a professor at the Madrid School and worked as a researcher at the Eduardo Torroja Institute.

He joined Portland Valderrivas more than 30 years ago and has held several positions of responsibility over the years. He was also the Director of Fibrocementos Castilla and Hormigones y Morteros Preparados, S.A. (HYMPSA), as well as the Portland Valderrivas operations manager. When Portland Valderrivas merged its cement assets with those of Cementos Portland in 1993, he was appointed to the Board and to the Executive Committee of Cementos Portland Valderrivas, a company where he held the post of Technical Managing Director for several years..

He has been the Managing Director of the company since October 2002. Rafael Martínez-Ynzenga leaves behind a Cementos Portland Valderrivas that is now the leading Spanish cement company and a diversified multinational group with a strong presence in the US and high quality and profitability standards.

With a doctorate in industrial engineering, he joined the Valderrivas Group in 1958. The parent company had been founded by his grandfather, Federico Ynzenga Griñán. In 1969 he was appointed to the Board and became its Managing Director in 1976.

In 1993 he was named the Managing Director of Cementos Portland and in 1997 was appointed Chairman of the Board of Directors. Cementos Portland has experienced spectacular growth during the nine years that Rafael Martínez-Ynzenga has acted as the Company's Chairman. When he was named Chairman, the Company's sales were 225 million euros compared to nearly 900 million euros in 2004.

# Madrid's mayor unveils Tizona, the tunnelling machine

## FCC WAS AWARDED THIS 410 MILLION EUROS PROJECT

Empresa Municipal Calle 30, S.A. awarded FCC, in a 50% joint venture with another company, a 410 million euro contract for the construction of the South tunnel stretching from Santa María de la Cabeza to the N-III. The 4.2 km tunnel will be built using this tunnelling machine and prefabricated sections. In terms of the project's total budget, this is the most important contract in the project to bury part of the M-30 beltway.



On 21 February, Alberto Ruiz-Gallardón, the mayor of Madrid, unveiled and launched the Tizona tunnelling machine, the largest in the world, which will be used to build the South tunnel of the M-30 south bypass.

This project involves the construction of a 4.2 km long, three-lane tunnel from Santa María de la Cabeza to the N-III. The company chose this tunnelling machine thanks to its technical specifications, power, and maximum safety. Measuring 148 metres in length and weighing over 4,200 tons, this machine is able to push 31,700 tons and drill a tunnel of up to 24 metres long and 15.2 metres in diameter. As the mayor explained, the M-30 south bypass will reduce daily traffic on the ground c by 80,000 vehicles, which will use the one-mile long tunnel. It will also ease traffic and reduce pollution and the rate of accidents in a stretch used by nearly 260,000 vehicles per day.

The M-30 south bypass means a reduction of 120,000 kilometres per day and frees up the ground level stretch for other traffic in this district.

The tunnelling machine is working from a 30-metre deep area in the M-30 near the Arganzuela Palacio de Cristal. The mayor stressed the importance of safety in projects of



► **THE BYPASS IS ONE** of the key aspects of the Madrid Calle 30 project

# ne that **will** be used to build the **M-30 south bypass**

## SAFETY AND EFFICIENCY

In the presentation, the mayor said: "Building tunnels in cities using this modern and innovative machinery offers utmost safety for workers as well as surrounding buildings and structures, achieving high performance since drilling and lining are all done simultaneously".



IN THIS EVENT, THE MAYOR EXPLAINED the characteristics of the tunnelling machine and the advantages it provides for projects aimed at solving traffic, pollution, and accident related problems in a stretch used by 260,000 vehicles daily.



this kind. Professionals at the Municipal Safety and Control Centre for Infrastructures Projects inspected 227 buildings, in the monitoring the condition of the structures of surrounding buildings, the ground, as well as the construction process.

The Control Centre for the M-30 underground network will be in charge of tunnel management. To ensure safety conditions, several pedestrian galleries will be built every 200 metres, as well as others for vehicle evacuation. A closed circuit TV system, automatic accident detection devices, fire equipment, and variable signalling equipment will also be installed.

The City Council's commitment to environmental sustainability has also been taken into account. In this respect, ventilation systems will be installed to guarantee air quality. This equipment is capable of absorbing 80% of automobile nitrogen dioxide emissions. The mayor said that the "M-30 South bypass is one of the most important in the Calle 30 project since it will promote urban integration, the implementation of a new mobility system, enhance road safety, reduce pollution, and return these spaces of extraordinary architectural and environmental value to the community". ■

► **THE TUNNEL WILL HAVE** a diameter of 15 metres and stretch over 4.2 km

THE MACHINE ADVANCES OVER SHOULDERS, positions itself at the appropriate points for cutting the cement with a sniper, while injecting the emulsion.



## Victoria, the FCC-designed self-propelling crack treatment vehicle

**P**rior treatment of cracks in cement-treated layers in road surfaces has been constantly stressed in national and international trade congresses and symposiums. Furthermore, pursuant to Ministry of Development regulations, this procedure is mandatory for the national state highway network. The crack treatment technique consists of a premeditated and planned forcing of retraction cracks in a treated layer to limit their expansion, thereby ensuring load transfer in surrounding areas. The machinery department of the FCC Construcción Zone 1, in view of the need to treat cracks in cement surfaces in the Cordoba-Malaga highway stretch between the city of Cordoba and Fernán Núñez, designed a machine for carrying out these operations. In the first phase of the project, FCC collected theoretical and practical information from Comité Française pour les Techniques Routières y del Observatoire des Techniques de Chaussées, relative to the depth of the crack, amount of emulsion to be injected, project speed, etc. After conducting a market study, the company discovered that there were actually very few



machines of this type, that their cost was quite high, and that these did not meet the necessary requisites. Based on this information FCC defined the design. It established the conditions of not altering, at any time, recently laid cement, that manufacturing and operations costs had to be reduced significantly; that it could not

interfere with production; and that the machine had to be capable of making transversal and longitudinal cuts. FCC designed a machine capable of advancing over non-excessively compact or levelled shoulders and of positioning itself in the appropriate points, cutting cement with a ripper, which also injects the emulsion. The prototype production began in September 2004 and, after assembling the different components in the Malaga Zone I Machinery Department in November 2005, testing of the car commenced. After several adjustments in the machinery's geometry, the machine successfully started operations. ■

### TECHNICAL TEAM

#### HEAD OF DEPARTMENT

Eduardo Gaudioso Vázquez

#### ASSEMBLY SUPERVISOR:

Federico Gutiérrez García

#### MECHANIC:

Fernando Benítez Parra



# The Minister of Development inaugurates the Córdoba-Fernán Núñez stretch of the Málaga highway

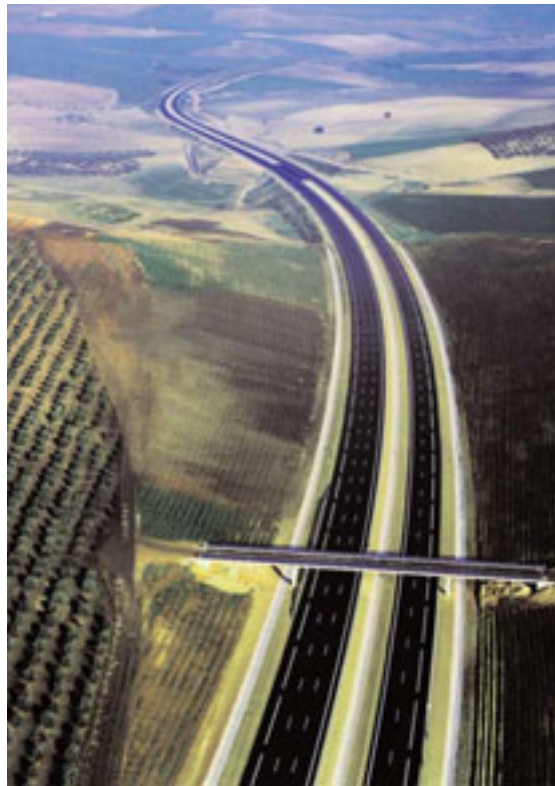
**M**agdalena Álvarez, the Minister of Development, presided the event marking the start of operations of the Córdoba-Fernán Núñez stretch of the Córdoba-Málaga highway A-45. Investment for this FCC-executed project totalled 67.8 million euros. The Ministry of Development general director for Roads, Francisco Javier Criado, and the Government's deputy delegate in Córdoba, Jesús María Ruiz García also attended the inauguration ceremony. The new highway stretch starts at Córdoba, at kilometre 408 of the Madrid-Cádiz A-4 highway and spanning towards Fernán Núñez at a distance from the A-4 and highway N-331.

## ► Spans over 18 kilometres

The project calls for an intersection connecting the Málaga highway and access to the airport, which will be completed at a future date. The end of this intersection connects with the Fernán Núñez-Montilla stretch currently under construction.

The 18-km route spans over the municipal areas of Córdoba, Fernán Núñez, and La Rambla. The trunk section comprises a 10m-wide median, two 7 metre-wide travelled ways with two 3.5 metre-wide lanes in each direction, 2.5 metre-wide exterior shoulders, and a 1 metre-wide internal shoulder.

The project is designed for a speed of 120 km/h, the minimum adopted radius is 1,500 metres, and the maximum 1,360-metre slope is 5%. Three intersections were built: one at the start of the stretch at the Autovía del Sur A-4 and Málaga Highway junction; another one at the middle of the stretch at the CP-256 road; and a third and final



stretch before reaching Fernán Núñez where the road meets the current N-331.

One of the singular structures is the 252-metre bridge over the Guadajoz River.

Several corrective measures to mitigate the impact on the

## TECHNICAL TEAM

### HEAD OF PROJECT:

Ismael Hurtado García

### HEAD OF THE TECHNICAL OFFICE:

José Manuel López Funes

### HEAD OF THE QUALITY ASSURANCE UNIT

Francisco Fernández Ortiz

### PRODUCTION MANAGER:

Santiago Bedia Crespo

### HEAD OF TOPOGRAPHY:

Juan Manuel Romero Pozo

### HEAD OF ADMINISTRATION:

Manuel Cobo Olvera

► **INVESTMENT FOR**  
this project totalled  
**67.8 million euros**

environment were executed, including several passes at different levels to insure permeability, the replacement of affected cattle-crossings, covering the banks and embankments with soil, and planting of different trees and bushes. ■

# FCC will build the first State Centre for Rare Diseases in Spain

Through IMSERSO, the Ministry of Work and Social Affairs unveiled the State Centre for the Treatment of people suffering from rare diseases and their families, which is set to become a national and international reference in research, training, and specialised care for those suffering from these types of diseases. FCC will be in charge of executing this project scheduled for completion in 2007.

**L**ast January, Jesús Caldera, the Ministry of Work and Social Affairs, and Amparo Valcarce, the Secretary of State for Social Services, Families, and Disabilities, unveiled the project for the future State Centre for providing socio-healthcare to

also promote and coordinate research activities, specialised care for those suffering from these diseases, as well as professional training. Collaboration agreements with public and private institutions will be instrumented to carry out these projects and research.

In Spain, there are currently over 7,000 diseases classified as rare. Those suffering from these diseases require multidisciplinary care and prolonged treatment.

#### ► Research-focused

The centre's mission will be twofold: become the national



those suffering from rare diseases and their families.

FCC will be in charge of building this centre, a pioneer in Spain, which will become a national and international reference. With a total floor space of 7,118 metres, the centre will be able to accommodate 64 patients afflicted by rare diseases as well as their families, developing temporary direct healthcare programs lasting as long as may be determined. The centre aims to provide information, counselling, and the necessary support for improving these patients' healthcare. It will

## ► 7.178 METRES TOTAL FLOOR space and accommodations for 64 patients

### TECHNICAL TEAM

#### DEPARTMENT MANAGER:

Sergio Ramos Alonso

#### HEAD OF PROJECT:

Luis Hernández Blanco

#### HEAD OF PRODUCTION:

Natalia Martínez González

#### SUPERVISOR:

Bienvenido Garrote Pérez

reference for research, promotion, and support of other sector resources; and, develop direct and specialised care for people suffering from rare diseases as well as their families.

It will be broken down into two distinct sections, one of which will be used to provide services, with offices, classrooms, halls, and the necessary equipment for executing the centre's programs. The other area will be used for providing direct services and will be broken down into two separate adjoining modules



THE MINISTRY OF WORK AND SOCIAL AFFAIRS, Jesús Caldera, and the Secretary of State for Social Services, Families, and Disabilities, Amparo Valcarce, next to the model. Below, different images of the centre.



**PROMOTE RESOURCES**

The General State Administration created this project for the purpose of promoting resources (services, equipment, methods, intervention methods, etc.) nationwide. It will carry out pilot projects and develop good practices in association with different resource networks.

accommodating 16 four-member families, nursing supervision, leisure area, workshops, sitting rooms, and other facilities.

**Services**

The services to be provided will be divided into two areas: training, research, documentation, and evaluation, responsible for developing studies and systematizing all related data; and another area for providing training, international cooperation, and technical assistance to different public and private administrations, and for building social awareness on rare diseases.

**Direct healthcare services**

The centre will provide specific direct and specialised healthcare where those suffering from rare diseases and their families can participate and share their experiences with people in the same situation as well as with professionals and experts. The goal is for these people to reach the maximum level of development and personal realisation to improve their autonomy, social integration, and quality of life.

Furthermore, family programs will be organized where those affected with similar pathologies can participate in training, educational, and leisure activities. These lodging facilities will allow family members to take a break from their regular caregiver responsibilities. ■

**THE CENTRE'S MISSION WILL BE TWOFOLD**



- As a Reference Centre for coordination, research, innovation, training, dissemination, and awareness-building projects and support to other sector resources.
- As a specialised centre it will provide healthcare to those suffering from these types of diseases as well as their families and will also launch programs to treat rare diseases with a social-healthcare approach to improve the quality of live and social integration.

# Placement of the first stone at the Novelda South-East Intersection (Alicante)

**O**n 24 January, Francisco Camps, President of the Generalitat Valenciana, laid the first stone for the Novelda South-east Intersection project. The councillor for Infrastructures and Transport, Ramón García Antón, and the mayor of Novelda, Rafael Sáez Sánchez, were also present at this event. The project consists of providing an alternative route by building the new South-east Intersection at Novelda, connecting with the Alicante-Madrid (A-31) highway at the current intersection. The project also contemplates converting the Novelda-Aspe stretch of the N-325, revamping



the CV-835 and CV-840 road intersection, and connecting the urban stretch with the Novelda South-East Intersection.

**FRANCISCO Camps, President of the Generalitat Valenciana, attended the event accompanied by the Councillor of Infrastructures and Transport, Ramón García Antón; on top, José Mayor, FCC Construcción's CEO.**

This intersection will start at the point where the N-330 connects with the CV 820 road. The main section will comprise a two 7 metre wide lanes, lateral 1.5 metre wide hard shoulders, and 0.5 metre wide verges. Spanning nearly 4,400 metres, this project will include seven traffic circles. The N-325 conversion project calls for the construction of a new lane on the right-hand side of the current road that will stretch over 2,205 meters and four traffic circles for transversal accessibility. ■



# FCC completes the Sagunto gas pipeline (Valencia)

**A**uxiliar de Pipelines, an FCC subsidiary, commissioned by SAGGAS (Planta de Regasificación de Sagunto, S.A.) was in charge of building the connection of the LNG regasification plant with the basic natural gas pipeline at the Enagas 15.11 valve position in Sagunto in the province of Valencia. Construction of this project lasted



eight months. The pipeline has a 762 mm diameter, measures 7,431 metres, and is 17.5 mm thick. The contract also contemplates the supply of equipment and materials, tests, and start-up of the installations. ■

## TECHNICAL TEAM

### HEAD OF PROJECT:

Jerónimo Legaz Senent

### HEAD OF THE TECHNICAL OFFICE:

José Ignacio Jiménez Jiménez

### SUPERVISOR:

Salvador Martínez Pedrajas



## Start of Málaga Park revamping project

**F**rancisco de la Torre, the mayor of Málaga, laid the first stone for the rehabilitation project for the Málaga Park and surrounding areas. FCC will be responsible for execution of this project. The project contemplates new pedestrian ways, extending the current trails and improving access to public buildings within the park, as well as over 57,000 m<sup>2</sup> of pavement work. Bus stops and children's playgrounds will be revamped and new kiosks installed. The project also includes revamping of urban infrastructure networks such as public lighting, electricity, water supply, sewage, and the installation of a new computer-controlled irrigation

system to optimise the use of water. An intensive campaign will be undertaken to replace over 650 trees and plant nearly 72,000 types of small plants and shrubs. The project also includes the refurbishment of monuments located within the park premises. ■

### ARTISTIC HERITAGE

Málaga Park is considered a botanical and art treasure. Situated in the centre of Málaga, the park spreads over approximately 30,000 m<sup>2</sup>.

## The extension of the Ventisquero de la Condesa Avenue opens to traffic

**M**adrid's mayor, Alberto Ruiz Gallardón, presided the inauguration ceremony last 15 November for the extension of the Ventisquero de la Condesa Avenue in Madrid's Fuencarral-El Pardo district, and its linkage with the M-40 beltway.

The avenue runs under the Fuencarral-Pitis and Chamartín-Pinar de las Rozas railway lines. Construction involved two 13.50 x 26 metre boxes built using the hydraulic injection technique.

The project begins at a traffic circle with a 38-metre diameter connecting Ventisquero de la Condesa and Arroyo del Fresno avenues and the road junction that will be used in the future to connect the Montecarmelo residential complex. Connection with the M-40 will make it possible to access and exit Ventisquero de la Condesa, Avenue, connecting it with the M-40 towards the A-6 and A-1 highways.

This project will significantly improve access to the Mirasierra district and the new Arroyo del Fresno and Montecarmelo urban developments. FCC was also in charge of urban planning measures including the construction of the sewage, irrigation, and lighting networks. ■



► **IMPROVES ACCESS TO THE Mirasierra, Arroyo del Fresno, and Montecarmelo urban developments**

# The President of the Generalitat Valenciana attends the holing-through of the Benacantil tunnel

**O**n 7 January, Francisco Camps, the President of the Generalitat Valenciana, attended the event held at the Central Market Station in Alicante commemorating the holing-through of the Benacantil tunnel in this city. This project will connect two underground stations. Starting at the Archaeological Museum



## TECHNICAL TEAM

### HEAD OF PROJECT:

Julián Mora

### HEAD OF PRODUCTION:

Martín Veracruz

### TECHNICAL OFFICE:

Alfredo Sierra

### SECURITY AND QUALITY SUPERVISOR:

Victoriano Antón



Station, the tunnel stretches over 750 metres under the Benacantil hill, where the Santa Barbara castle is located, until reaching the Central Market Station. The tunnel will enable the tram to operate in the centre of Alicante.

The project is integrated in Line 1 of the Alicante Tram in the direction of the Intermodal Station, connecting the tram with

the high-speed train. The total length of this project is approximately 3,300 metres. The tram will run underground from the Avenida de la Estación, pass by the Luceros Station, Central Market Station, until reaching the Archaeological Museum station, and then travel at ground level.

Construction of a 3-level

**ABOVE, TUNNEL holing-through. Above these lines, the President of the Generalitat Valenciana, Francisco Camps, the Secretary of Infrastructures and Transport, José Ramón García Antón, Alicante's mayor, Luis Díaz Peri, in the presentation made by Vicente Dómine Redondo, the General Director of Transport, Harbours, and Coasts.**

intersection is one of the key aspects of this project. The top level of this intersection, at the centrally located Avenida de Denia, will be used for the tram, while the lower level for the National 332 highway, and the intermediate level will connect the urban centre with the national highway. After passing this avenue, the line will run towards the beach area.

The Alicante Tram will become a modern, non-polluting, means of transport, extending over a large part of the city, connecting the Renfe Station with the city's beaches in just 15 minutes. ■

## 750 METRES UNDER THE HILL

The 750 metre long Benacantil Tunnel connects the Archaeological Museum and the Central Market stations. The Alicante Metropolitan Tram will travel along this tunnel.



► **THE ROAD** stretches over 8,202 metres



## First stretch of the **Vía Parque Alicante-Elche** road opened for traffic

**F**rancisco Camps, the President of the Generalitat Valenciana, inaugurated the first stretch of the Parque Alicante-Elche road, between Elche and the Torrellano industrial park.

This project aims to improve traffic between the cities of Elche and Alicante, as well as the main population centres and industrial developments in this region, such as the Les Salades Industrial Park in Torrellano, the Institución Ferial Alicantina (Fair Grounds), the Ciudad de la Luz, and the international L'Altet Airport. The road stretches only through the Elche municipal area. It begins at the Ronda Norte (north beltway) and Ronda Este (east beltway) intersection, where construction is still in progress, and ends at the intersection with the N-340 near the road leading to the L'Altet Airport.

Stretching over 8,202 metres and designed for 80km/h traffic, the main section of the road has two 7 metre wide lanes, 2.5 metre wide exterior hard shoulders, and 1.5 metre wide interior shoulders separated by a landscaped 13 metre-wide median.

The road has six ground level intersections, designed as traffic



circles. The first of these connects with the Ronda Norte in Elche where the Ronda Este and the Camí de Castella Highway intersect. The final intersection will connect the Parque Road with the N-340, the gateways to the L'Altet airport, the Institución Ferial Alicantina, and the city of Alicante. The four intermediate intersections connect with the L'Olmet and Les Salades roads, the roads leading to the Torrellano-Saladas Industrial Park, and the outskirts of Torrellano.

The project also includes a viaduct over the Grifo ravine, another structure over the Rambla, and two underpasses at the IFA traffic circle.

The project also includes the

**THE PRESIDENT OF the Generalitat Valenciana, Francisco Camps, at the inauguration ceremony. The project is designed to improve traffic between Elche and Alicante.**

construction of 6 metre wide service roads, revamping of existing ones, and construction of underpasses to ensure permeability. Three of these roads include 8 metre wide underpasses under the main road, two of which have a 4.5 metre high clearance gauge, and another one that is 3.5 metres high.

Several cattle crossings have been replaced by building two additional underpasses, six metres wide and a 2.3 metre high clearance gauge.

The new infrastructure includes landscaping along the sides of the road and traffic circles, an 8,678 metre long bicycle path, and lighting fixtures at the traffic circles. ■

# Five architectural projects built by FCC exhibited at MoMA in New York

**N**ew York's Museum of Modern Art (MoMA) inaugurated an exhibit of 53 Spanish architectural developments, 18 completed and 35 in progress, which were selected among more than 600 works. Several well-known Spanish and international architects, including Rafael Moneo, Alberto Campos Baeza, Peter Eisenman, Josep Lluís Mateo, Juan Domingo Santos, and Toyo Ito were among the well-known architects attending the official inauguration held on 7 February. Five FCC projects, completed or under construction, were selected as part of this temporary exhibit at one of the world's most prestigious museums. The exhibit will be opened until the first of May. This exhibit confirms Spain's place in the international architectural vanguard and reflects the high levels of quality and dynamism in the latest architectural projects developed in Spain. Scales, photographs, and blueprints of the following projects are exhibited at the city of skyscrapers.

## ► Terminal 4

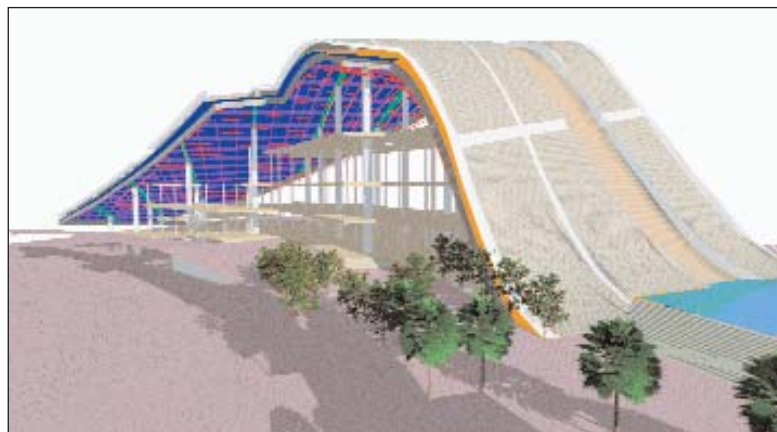
The new terminal building at the Madrid-Barajas Airport designed by Richard Rogers and Antonio

Lamela. This futuristic, large, and luminous project features the latest in technology and all the services typical of a modern airport building.

With 470,261 m<sup>2</sup> of floor space divided into six levels, the terminal consists of three blocks: the check-in area, the processing area, and the boarding area

The terminal can handle over 35 million passengers a year, with the check-in process capable of handling 10,400 passengers at peak hours.

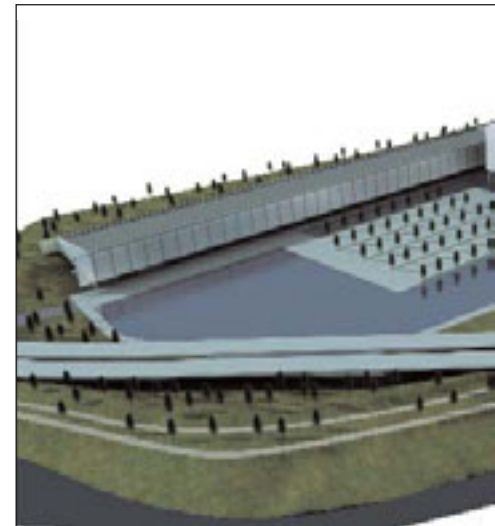
The glass façade measures 40,000 m<sup>2</sup> running along a perimeter of over 2,890 metres. The ceiling metal structure required over 24 million tons of laminated steel. The false ceiling at the terminal is covered with natural bamboo sheets, providing a very warm atmosphere.



## ► Caja Mágica

The Caja Mágica, designed by Dominique Perrault. The future sports complex to be used for tennis will be situated in the Parque Lineal del Manzanares area. Made of steel, wood, and glass, the building will be organized around a single area with three covered stadiums and stands with capacity for 12,000, 3,500 and 2,500 spectators, respectively. There will also be 16

BELOW THESE lines, the new Madrid-Barajas Airport terminal building; below, the scale of the History Museum in Santiago de Compostela; on the right, the project for the future Caja Mágica in Madrid.



outdoor courts and 5 indoor courts with stands for 500 spectators and 6 indoor training courts.

Perrault's design combines high technology with a respect for the environment. As such, the pavilions will have a protective covering which will change according to the seasons, light and temperature conditions, and the different types of events held there. With 60,000 m<sup>2</sup> of floor space, the complex will be able to accommodate a maximum 20,500 spectators.

## ► Cartagena Museum

The Museo Nacional de Arqueología Marítima de Cartagena and the Centro Nacional de Investigaciones Submarinas,





designed by Guillermo Vázquez Consuegra, consists of 6,000 m<sup>2</sup> divided into three levels. The basement level will house permanent exhibits, the ticket desk, and a shop. It will also include an auditorium and, in another area on this floor, storage and personnel facilities. The basement level measures 3,580 m<sup>2</sup>.

The two buildings emerging from the basement level will house temporary exhibits, the library, administrative areas, and a cafeteria, while the remaining area comprises a 14 metre high skylight providing light to the exhibition area.

Stained concrete used in the façade, and the zinc roof, are among the most outstanding features of this project.

## ▶ THE NEW YORK MUSEUM OF Modern Art (MoMA) is the most prestigious contemporary art museum worldwide



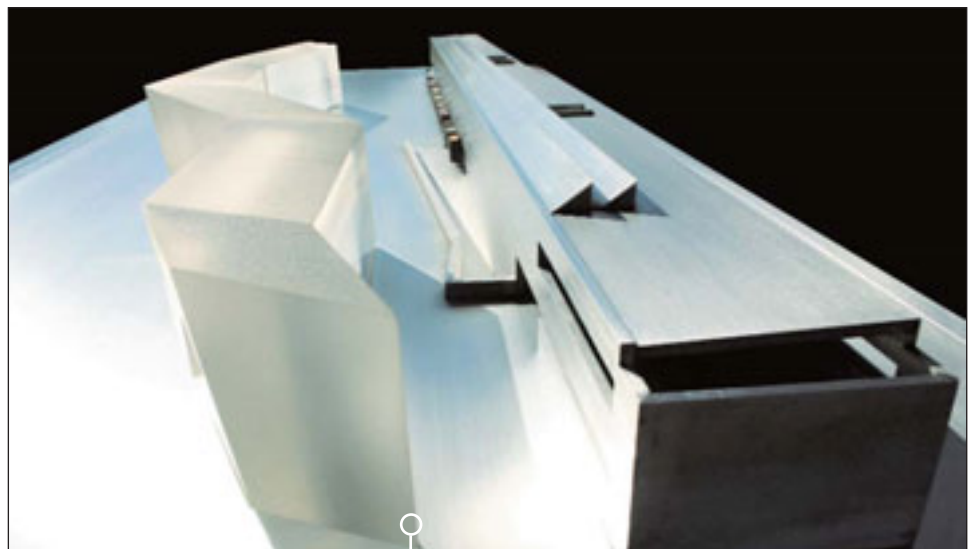
another 1,300 m<sup>2</sup>, which could be enlarged to 1,500 m<sup>2</sup> by adding the outdoor public square.

The structure of this glass building, in the city of León's modern district, consists of white reinforced concrete and ancillary structures made of galvanized steel sections.

The main façade consists of over 3,300 multi-coloured glass sheets suspended by 500 iron beams. The design is inspired by the oldest stained glass window in the Cathedral of León, known as the "El Halconero", dating back to the twelfth century.

### ▶ History Museum

The History Museum in Santiago de Compostela was designed by Peter Eisenman and Andrés Perea Ortega. One of the six works comprising the Ciudad de la Cultura, this project was selected among several submitted by the world's most famous architects. The geometry of its design makes it an extremely complex project,



### ▶ Musac

Designed by Emilio Tuñón and Luis Moreno Mansilla, the Museo de Arte Contemporáneo de Castilla y León (Museum of Contemporary Art of Castille-León) was built in a plot of land measuring over 21,000 m<sup>2</sup> and consists of 9,700m<sup>2</sup> of built floor space. The five exhibit halls occupy a 3,400 m<sup>2</sup> area. The outdoor exhibit courtyards occupy

ABOVE THESE LINES, the Museo Nacional de Arqueología Marítima de Cartagena and Centro Nacional de Investigaciones Submarinas project; above, from right to left: the interior of the New York MoMA, and an exterior view of MUSAC in León.

with several broken and warped planes truncating the different spaces of the museum. The museum's floor space will total 18,000 m<sup>2</sup>.

The museum complex replicates the hill where it stands, with visible quartz roof sheets and aluminium-magnesium panels intermingling with glass and stainless steel finishes. ■

# Aqualia wins water management contract in Santander through 2031

**WILL SUPPLY 30 MILLION CUBIC METRES OF WATER PER YEAR**

**T**he Governing Board of the Santander City Council awarded Aqualia, an FCC subsidiary, a 25-year management contract for the city's water supply.

## ► 250,000 inhabitants

Santander, with a stable population of 184.000 inhabitants, which rises to 250.000 in the Summer, will receive nearly 30 million cubic metres of water supply per year.

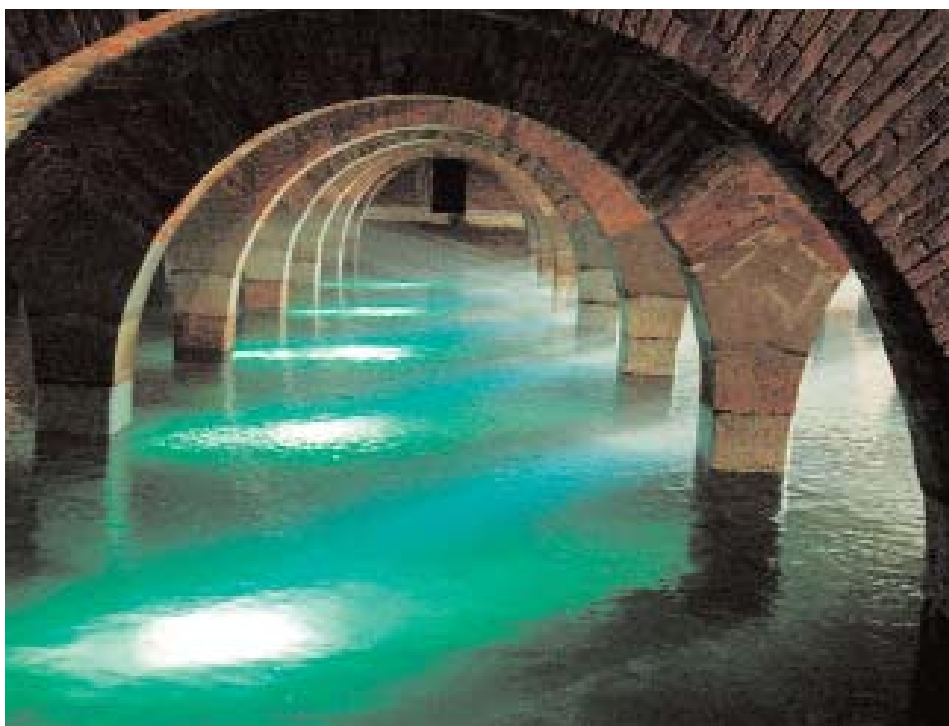
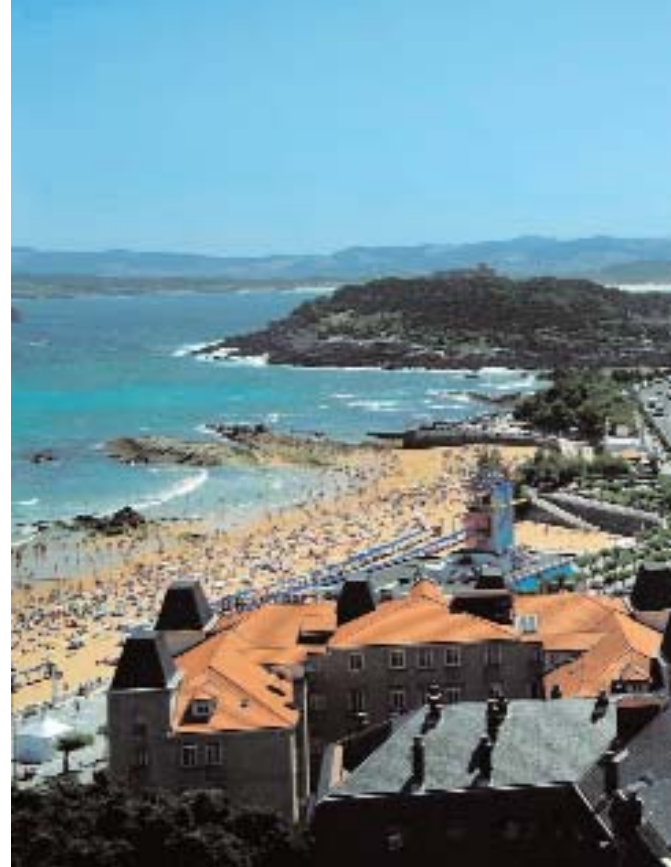
Aqualia will pay an initial fee of 69 million euros for this concession and an annual fee of 106 million euros that will be entirely assigned to the Concession Investment Plan. The Company also plans to make additional expenditures totalling 26 million euros.

## ► Upgrades

Investments will be earmarked for revamping the drainage system, implementing a telecontrol system, building new deposits, the search and detection of leaks, refurbishment, enlargement, and upgrading of the water treatment plant, revamping of the water supply network, upgrading the sewage system, and controlling all pumping and wastewater stations, as well as the comprehensive refurbishment of the office building.

Aqualia will install a digital cartography and geographical information system to monitor Santander's water supply and sewage system. This implementation will make it possible to process and analyse

► **THE COMPANY WILL INVEST 11 million euros in projects over the next three years**



data to determine the composition, pressure, and load of its water networks.

The company will also set up a help desk for customers with sufficient capacity for handling and processing queries, providing an agile, rapid, and efficient customer service that will save time and unnecessary on-site

► **AQUALIA WILL PAY an initial fee of 69.2 million euros, plus another annual fee earmarked for the investment plan**





## COLLABORATION AGREEMENT BETWEEN AQUALIA AND CANTABRIA UNIVERSITY

Aqualia and the Leonardo Torres Quevedo Foundation of the University of Cantabria entered into a collaboration agreement to promote the university's technological research program. This agreement will govern the Foundation's and Company's research and development program, the "Analysis of water supply in Santander".

A team from the Science and Water Techniques and Environment Department will be in charge of developing this project.

The University of Cantabria research team, including human and material resources, will provide its support to the Foundation for the implementation of this project



**CENTRE, GENERAL view of Santander Bay, above, the Tojo wastewater and drinking water treatment plant; left, the Pronillos water deposit, and the general basin for collecting surface water.**

visits, facilitating service-related procedures for customers. This FCC subsidiary entered into an agreement with the University of Cantabria for ongoing monitoring of water quality. In the Cantabria Autonomous Region, Aqualia operates in other municipalities, such as Torrelavega, Reinosa, Santa Cruz de Bezana, Cabezón de la Sal, and Corvera de Toranzo, where it provides services to nearly 90,000 inhabitants. ■

## GLOBAL SOLUTIONS

Aqualia provides comprehensive water management services and offers global solutions to meet the needs of local administrations, industry, and individuals.

## Services to a population of over 1.3 million in the region



# Aqualia grows in Cataluña

**A**qualia increases its market share in Cataluña thanks to new contracts and extensions. The Lloret de Mar (Girona) City Council, in its general board meeting, awarded Aqualia a 25-

year contract for managing the city's water services. This contract is worth 81 million euros. Also in Girona, the Sant Pere Pescador City Council extended the drinking water management contract for an additional 10 years.

### SIGNIFICANT PRESENCE

Aqualia has broad experience in the sector and an increasing presence in Cataluña. Lleida, Sant Andreu de la Barca, Molins de Rei, El Vendrell, and Calella have given their vote of confidence to the company's management model.

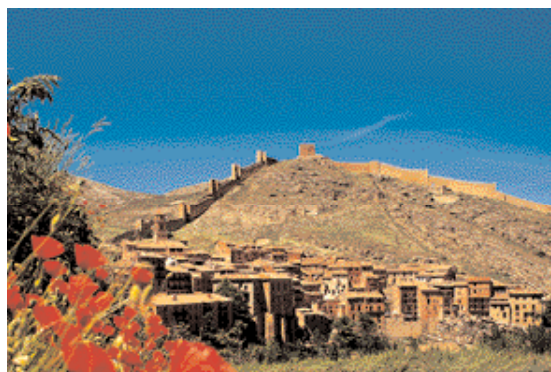
In this town, Aqualia, jointly with the Municipal Corporation, will execute revamping projects worth 223,657 euros.

The General Assembly of the Pinyana Community Association decided to entrust Aqualia with management of the water supply service in Lleida and the towns of Sagría and Noguera, with a supply capacity of 20 Hm<sup>3</sup>/year, for a population of 150,000 and for a 25-year period. In this case, the contract is valued at 3,181,900 euros.

These figures underscore Aqualia's consistent growth in Cataluña. The Company's modernisation will be ongoing, meeting its commitment to execute the investment plan, derived from being one of the leading global operators in the management of the entire water cycle. ■

## Thirteen water treatment plants to be built in Aragón

**T**he Government of Aragón awards Aqualia a contract for three wastewater treatment plants, water collectors in several towns in the province of Teruel, as well as their construction and subsequent operations for a 20-year period. This contract also contemplates technical, administrative, and financial management. The contract awarded is worth 55.3 million euros. The contract contemplates 19.3 million euros in investments, with

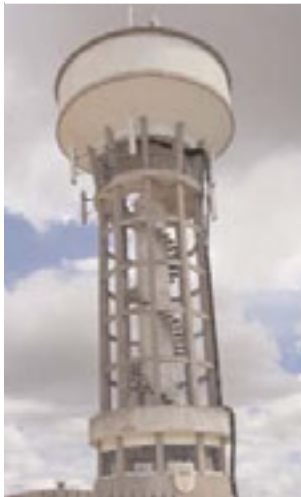


services provided to over 43,000 inhabitants. The plants will be situated in the

following towns in the province of Aragón: Alfambra, Cedrillas, Celadas, Alba, Villarquemado, Villel, Manzanera, Mora de Rubielos, Albarracín, Bronchales, Gea de Albarracín, Orihuela del Tremedal, and Alcalá de la Selva. Overall treatment capacity will be 3,100,000m<sup>3</sup> per year.

The project was awarded to a consortium in which Aqualia has a majority stake. ATECMA and Gestión y Construcción de Obras Públicas, S.A. are the other two companies in this consortium. ■

# Aqualia wins 1.5 billion euro water management contract in Portugal



**F**CC, through its subsidiary Aqualia, has won the tender for water management in the urban community of Lezíria del Tajo, Portugal, for the next 40 years. This contract's business portfolio is worth a total of over 1.5 billion euros.

With this contract, Aqualia has secured its first comprehensive water management contract in Portugal, a market offering enormous growth potential, in competition with the leading international operators.

Lezíria del Tajo is a community of nine cities and towns very near Lisbon, where Aqualia will be providing services to a population of more than 200,000.

**ABOVE THESE lines, the high water deposits at Coruche, Alpiarça, Salvaterra de Magos; above, view of Santarém.**

The contract calls for 200 million euros in investments, 53 million of which will be coming from public funds. These investments will go towards building new facilities and improving existing facilities to optimise water resources and offer the finest in service. Aqualia participated in the tender process in a consortium with the Portuguese firm Lena. It will act as the operator in the joint venture that will be put together to implement the contract in this area of Portugal's Ribatejo region, which includes the population centres of Almeirim, Alpiarça, Benavente, Cartaxo, Chamusca, Coruche, Golega, Salvaterra de Magos and Santarém. ■



## TPA will manage refrigerator recycling plant in Cataluña

**T**he Catalán Waste Management Agency has awarded TPA, Técnicas de Protección Ambiental S.A., an FCC subsidiary, a contract to manage the processing and recycling plant for refrigerators and other appliances containing chlorofluorocarbons. The plant is located at the Pont de Vilomara i Rocafort Industrial Park in Bages (Barcelona). The 10-year contract, which may be extended for another six years, will generate 50 million euros in revenues.

Initially, TPA plans to invest 500,000 euros in upgrading the facilities.

This plant is used to process and recycle refrigerators, freezers and air conditioners in accordance with the European Directive on obsolete electric and electronic equipment.

The plant occupies 6,400 m<sup>2</sup> and consists of two recycling lines with an annual processing capacity of 125,000 units for refrigerators and 12,000 for air conditioners.

The FCC Group has managing this plant since 1995. It is the first recycling plant for used refrigerators in Spain. Over the years, it has processed more than 600,000 units. ■

LEFT TO RIGHT: Plaza de la Virgen Blanca and general view of Plaza de Euskaltzandia; below, Plaza del Machete and Paseo de la Senda.



# FCC wins sanitation contract

**A RIVAL FIRM HAD BEEN PROVIDING THESE SERVICES OVER THE PAST 32 YEARS**

**T**he Contracting Committee of the Vitoria-Gasteiz Town Council has proposed FCC to provide the city's sanitation services for the next eight years, with the possibility of a two-year extension. The contract is valued at a total of 200 million euros. FCC was competing in this tender with two other bids and, according to the report prepared by town council's specialists, FCC's bid scored 87.83 points compared to the 76.59 points obtained by the company that has been providing this service in the capital of Álava over the last 32 years and another bidder that scored 69.62 points. Vitoria-Gasteiz, with a population of 225,000, produces roughly 90 million tons of waste a year. This waste is collected on a daily basis and transferred to the city's dumping facility for its subsequent

treatment. FCC will provide 365-day waste collection services with a staff of over 400 operators. It will pay special attention to the city's historic district and will provide daily service to industrial areas.

► **181 vehicles for the city**

In order to provide trash collection and street clearing services, FCC will invest some 15 million euros, primarily in the purchase of 181 vehicles including garbage trucks and special street-cleaning equipment. FCC will provide the city with a fleet of 75 waste collection vehicles, including 15 side-loading collection-compacting trucks and 13 back-loading trucks. It will also provide cleaning trucks, lightweight vehicles, and ancillary and other special vehicles. For daily street-cleaning chores,

the company will use the 106 state-of-the-art vehicles. These include 76 vehicles for sweeping the city's streets, 31 of which will be mechanical sweepers, 27



**TECHNOLOGY  
INNOVATIONS**

All equipment will feature GPS satellite navigators and on board computers able to send and receive data and communications. The engines of many of these vehicles will be powered by compressed natural gas, the most highly advanced technology available on the market today for reducing pollution.

The company will create a new park for machinery, three auxiliary facilities, six auxiliary premises, a central office, and a customer care office.

Thanks to this new contract, FCC will be providing services to the three Basque capitals: Bilbao, San Sebastian, and Vitoria-Gasteiz, in addition to 75 other municipalities in the Basque Country.

# in Vitoria-Gasteiz

auxiliary vehicles, and 18 transport vehicles. In addition, 13 street washing vehicles, eight for cleaning and inspecting the sewage system, and nine special

cleaning units will be used in providing these services. Proposed improvements Among the new proposals for improving this service, the company will provide, at no extra cost, 1,800 new waste bins, 50 selective waste collection containers adapted for the disabled and children, 5,000 domestic garbage containers with two compartment, one for organic waste and the other compartment for normal waste. It will also distribute 150,000 containers for collecting used vegetable oil from homes, it will bury several containers, implement a washing tunnel for vehicles, and also provide hot water produced by solar energy for employee washrooms and locker rooms.

FCC expects to save approximately 200,000m<sup>3</sup>/year of drinking water



in washing and sewage cleaning services.

The company will create a website providing information on its water management services and will launch a strategic plan for sustainable management. It is also proposing a new corporate image for these services, designing new vehicles, containers, uniforms, etc. ■



# Segovia entrusts again to FCC its city sanitation contract

**F**CC Environment won the contract put out to tender by the Segovia City Council to provide trash collection and street cleaning services for the next twelve years, with the possibility of two five-year extensions. FCC has been providing these services to Segovia since the first of January 1996. Five companies were involved in the bidding process. The experts

collection and a deposit for abandoned cars or those no longer used will also be housed in these new industrial premises. FCC will also be in charge of maintenance and cleaning of all containers and sealing the Peñigoso waste site, in addition to providing cleaning services in the new neighbourhoods and green areas. The company will be investing over two million euros in these upgrades. ■



who judged the offer presented by FCC gave it a rating of 68.51 points, more than 20 points higher than the runner up. The contract, including the two possible extensions, is worth over 86 million euros at today's prices. The burial of garbage bins at the city's historic district and the collection of solid urban waste in side-loading vehicles are among the new upgraded services to be introduced in the near future. The company will also build an industrial premise at the Hontoria industrial park where all services will be centralised. The second "Clean Point" for selective waste



## Cartagena contract extended to 2020

**T**he Cartagena City Council has extended the city sanitation contract with Fomento de Construcciones y Contratas, S.A. (FCC) for 10 years, bringing the business generated by the new contract to a total of 210 million euros. FCC is in charge of the collection of organic waste, lightweight containers, and paper/cardboard, and provides street and beach cleaning services and operates a waste treatment plant. The concession was originally set to expire in 2010 but has now been extended until 2020. The company plans to invest 24 million euros in environmental upgrades at the waste treatment plant. ■

► **THE BUSINESS**  
**portfolio totals**  
**210 million euros**





## Portillo will provide urban transport services in Benalmádena for 25 years

**T**he FCC subsidiary, CTSA, Corporación Española de Transportes, through Portillo, won an urban transport contract in Benalmádena, in the Costa del Sol. The company already operates in Torremolinos, Estepona, and Marbella. This contract was unveiled last 23 February by Benalmádena's mayor, Enrique Bolín, who was accompanied by Joaquín Martínez-Vilanova, the FCC Connex General Manager. The transport system consists of three bus lines connecting three of the city's districts: Benalmádena Pueblo, Benalmádena Costa, and Arroyo de la Miel.

The fleet comprises four new last generation, own design, non-polluting, and low-platform buses featuring access ramps for the disabled and painted orange and yellow, the colours representing Benalmádena. Service will be provided to 600,000 passengers per year. These buses will incorporate a new ticketing system using non-contact cards with a chip that can be programmed according to different types of bus tickets on sale. These cards are rechargeable and represent an innovation which very few urban bus systems in Spain currently offer.



One hundred and fifteen bus-stop signs were installed for the three new bus routes. Each of the stops displays a detailed bus schedule, underscoring CTSA's commitment to punctuality.

TOP LEFT, Benalmádena's mayor, Enrique Bolín, at the official inauguration of the new city transport service.

The company has also published 15,000 guides with itineraries, schedules, and rates for the new service. With this new contract, CTSA is currently providing urban transport services in twelve cities.

### ► Tourist bus

The new Tourist Bus service, similar to the one currently provided by Portillo in Malaga, was unveiled at the same event. Scheduled to start covering the main tourist attractions next April, the buses used for this service have two floors, feature an information system in eight languages, and will be making 12 stops along the route. ■

### PROVIDES BUS SERVICES TO 17.5 MILLION PASSENGERS

- Portillo is the brand name used by Corporación Española de Transportes (CTSA), a group integrated in Corporación FCC-Connex, for its passenger transport service in Costa del Sol, between Malaga and Algeciras. It owns a fleet of 146 vehicles, operates 58 different bus line, and the bus stations in Marbella and La Línea de la Concepción, covering over 14.5 million kilometres and providing services to 17.5 million passengers each year.

### CTSA COVERS 23 MILLION KILOMETRES PER YEAR

- It operates urban transport services in Ávila, Talavera de la Reina, Sanlúcar de Barrameda, Jerez de la Frontera, Mataró, Marbella, Estepona, Benalmádena, Torremolinos, and Terrassa; the Metropolitan bus service in Valencia; the Madrid-Almería inter-city line; and the Costa del Sol intercity line between Malaga and Algeciras. It covers 23 million km/year and has a fleet comprising over 400 buses.



► **ASBESTOS AND fibrocement are classified as hazardous materials**

#### COMPREHENSIVE SOLUTIONS

Ámbito is the FCC Group brand engaging in industrial waste activities, offering the widest range of services specifically designed for the industry.

Its mission and main objective focus on providing comprehensive solutions to its customers to meet their waste treatment requirements.

## Hidrocen concludes one of the largest asbestos removal operations in Spain

**H**idrocen, a company operating under Ámbito, the FCC brand engaging in industrial waste treatment, was in charge of the project involving the removal of fibrocement from the roof of the former Azucarera de Valladolid and the friable asbestos used as insulation in boilers, pipes, etc. After these tasks were completed, the buildings were partially demolished to make way for a new municipal services area.

associated with inhaling these fibres. The company's highly skilled personnel, with sufficient experience and appropriate training, was in charge of removing asbestos materials. The company also limited employees' exposure to these materials, confining, demarcating and signalling the work area where there was a risk of exposure, and had a specialised entity prepare the corresponding environmental assessment. ■



#### ► Highly skilled personnel

Hidrocen was also responsible for the treatment, transport, and management of residual fuel contained in tanks that were no longer in use. Fibrocement and asbestos are considered hazardous materials because of the health problems

#### PROJECT DATA

- 8,500 m<sup>2</sup> fibrocement roof covering the sugar and pulp storage areas, the boiler room, pulp drying rooms, and central premises.
- 500 m<sup>3</sup> of friable asbestos used for insulation that covered the steam boilers, evaporation boxes, crystalliser and reheaters, as well all the tubes connected to this equipment.
- 450 m<sup>3</sup> of waste fuel stored in obsolete tanks.

# Realia to invest 100 million euros in a shopping centre in Guadalajara



into 124 commercial outlets. Home furnishings, household products, and a 7,214 m<sup>2</sup> Hipercor chain hypermarket, will be situated on the lower level. Fashion and accessories will be found in the ground and first floors, which will also house an El Corte Inglés department store. The top floor will offer leisure activities, particularly restaurants and cinemas. This project will also have three basement floors offering 2,000 parking spaces. One of the main characteristics of this commercial complex is its excellent location facing the A-2 motorway, next to a Tryp hotel, and in one of Guadalajara's fastest growing districts. The centre is easily accessible by road or pedestrian traffic, with an overpass over the A-2 motorway connecting the city with the commercial centre. This project is one of the most interesting opportunities for the company's consolidation in the commercial and leisure centre sector, where it has been involved in landmark projects such as El Jardín de Serrano, Diversia, La Vaguada in Madrid, Nervión Plaza in Seville, and the Twin Towers in Lisbon, as well as in new developments, including Parque Comercial Plaza Nueva in Leganés (Madrid) and La Noria Outlet Shopping in Murcia. ■

**G**rupo Inmobiliario Realia plans to invest 100 million euros in the Ferial Plaza commercial centre in Guadalajara. This project will enliven a zone offering enormous growth potential and create more than 2,400 jobs, 900 of which will be direct jobs. The commercial and leisure offering will feature leading national and international companies. The four floors of this shopping mall, with a total 50,550 m<sup>2</sup> of floor space, will be divided

## LEISURE AND COMMERCIAL AREA

This new shopping mall will attract clients who would otherwise shop in other towns in the "Corredor de Henares", boosting this region's wealth-creating potential and its commercial activities. Nearly 133,000 people live within its area of influence and, consequently, this new commercial centre is set to become the main leisure and commercial destination in the Alcarria region.

► **50,550 M<sup>2</sup> OF COMMERCIAL** area with 124 outlets

## Consolidates its positioning in Poland

**R**ealia, through Realia Polska Inwestycje, consolidates its expansion plans in Poland, acquiring land in the country capital where it plans to build 168 homes

and several commercial premises. This initiative is part of an ambitious project involving housing developments in several cities in this country. The plot of land is in the Mokotow

district, one of Warsaw prime residential areas. Easily reached by the underground or the main public transportation systems, this neighbourhood is very close to the best commercial district. ■



ON THE TOP, PRESIDENT JOSÉ LUIS RODRÍGUEZ ZAPATERO, the President of the Madrid Autonomous Region, Esperanza Aguirre, the Minister of Development, Magdalena Álvarez, and Madrid's mayor, Alberto Ruiz-Gallardón, at the official inauguration of Terminal 4. Below, detail of the new airport building.

## Inauguration of Terminal 4 at Madrid-Barajas Airport

On 4 February, President José Luis Rodríguez Zapatero, accompanied by the President of the Madrid Autonomous Region, Esperanza Aguirre, the Minister of Development, Magdalena Álvarez, and Madrid's mayor, Alberto Ruiz-Gallardón, attended the inauguration of Terminal 4 at Madrid-Barajas Airport.

The largest civil works project in Spain, financed by AENA, an autonomous entity reporting to the Ministry of Development. Designed by the architects Antonio Lamela and Richard Rogers, the terminal building has become a reference in the international airport segment thanks to its design and high technology equipment.

This new terminal can handle over 35 million passengers per year, more than 10,000 at peak hours. With 470,261 m<sup>2</sup> of floor space divided into six levels, the terminal consists of three blocks: the check-in area, the processing area, and the boarding area.

The façade, all of which is covered with glass, measures 40,000 m<sup>2</sup>. The roof metal structure required over 24 million tons of laminated steel. The ceiling is covered with bamboo sheets and the structural elements of the buildings have been painted in rainbow colours from the north to the south side of the terminal. Light filters in through large linear shafts at the side of the building.

An Automated Baggage Handling System, which can handle 16,500 pieces of luggage per hour, was installed. The facilities feature nearly 92 km of conveyor belts, 42 km of which move at a high speed and are capable of transporting luggage at more than 10 metres per second. ■

## FCC named the Best Company in the Madrid Community awards

On 21 February, the Public Administrations Minister, Jordi Sevilla, gave José Luis de la Torre, President of the FCC Services division, the Best Company in the Madrid Autonomous Region award. The ceremony was organized by the magazine Mundo Empresarial Europeo. The Madrid Autonomous Region also received an award at this event.

The Mundo Empresarial Europeo awards are given every year to an institution and a private company at each Autonomous Region. Beside FCC, the Seville and Pamplona City Councils, the Government of Extremadura, the Palau de les Arts Reina Sofía in Valencia, the Chamber of Commerce of Las Palmas, and Sabeco, also received awards at this year's event. ■



IN THE CENTRE, THE MINISTER OF PUBLIC ADMINISTRATIONS, Jordi Sevilla, handing the award to the CEO of the FCC Services Division, José Luis de la Torre, on the right.