

- ▶ THE GROUP'S NEW DATA PROCESSING CENTRE
- ▶ SECOND FCC CONSTRUCCIÓN SUSTAINABILITY REPORT



▶ **Madrid** reaffirms its **trust** in **FCC**

FCC wins waste collection contract

The Madrid City Council awarded FCC a 9-year contract to collect waste in the city's midtown district. Revenues from the contract are estimated at 470 million euro. Thanks to this award, FCC will continue to provide waste collection services throughout the city as it has been doing uninterruptedly since 1940. The contract covers waste collection in the Centro, Arganzuela, Retiro, Salamanca, Chamartín, Tetuán and Chamberí districts and some parts of the Fuencarral-El Pardo and Moncloa districts.

FCC is also in charge of waste collection in the rest of the city, having won the contract in 2002 that expires on 1 January 2013.

In fact, on this occasion FCC has won three separate tenders, since central Madrid was split into two zones,

kilograms of solid waste per year (organic waste, packaging, paper and cardboard, glass, batteries, dead animals, hospital waste, furniture and fittings). That is approximately 1.25 kg per inhabitant per day.

► Electric vehicles

FCC will use 227 new vehicles to provide this service. The trucks for waste collection will mainly be powered by natural gas, which is quieter and much less polluting than

► THE COMPANY WILL USE 227 vehicles running on natural gas, electricity, and biodiesel



divided by Paseo de la Castellana. The third tender relates to specific collection of paper, cardboard, glass and batteries. FCC bid alone for the contracts, competing with four companies grouped in two consortia.

The company plans to invest 48.1 million euro in vehicles and installations.

Madrid's seven central districts generate over 480 million

► FCC PROVIDES THESE services in 4,000 municipalities, 3,420 of which are in Spain

conventional trucks; 14 of the trucks will be electric. Development of the electric truck, designed by FCC since there was nothing suitable in the market, took four years from the prototype stage. The truck is narrow (1.85 metres wide) and highly manoeuvrable to handle tight corners, but it can carry 3.7 tonnes. Waste is collected entirely under electric power, and the batteries are recharged using a 220 horsepower internal combustion engine.

Its exceptional performance in terms of tonnes of waste collected per hour and lower pollutant emission (all-electric) plus the compacting, geometry, engine and transmission characteristics make it superior to diesel-powered vehicles; this led to official designation as a European Eureka project.

for Madrid's midtown districts

Madrid Polytechnic University, through INSIA (the Institute for Vehicle Research and Certification) certified the technical characteristics of all the vehicles to be used in the contract in terms of noise and pollutant emission, stability, and safety systems.

The certificate was obtained after one year of exhaustive tests of all types, measurements in various conditions of the prototypes, etc., during which numerous modifications had to be made to enable the vehicles to meet the conditions for INSIA accreditation.

► Quality control

FCC will establish a specific Comprehensive Quality Control area and increase the staff of professionals to oversee and supervise both service quality and job performance.

behaviour by employees, which will be rectified in order to obtain the desired optimal results.

In this line, between 22,000 and 27,000 observations will be made each month, amply exceeding the minimum figure of 700 required by the City Government, providing the necessary data for taking any necessary corrective measures.

► Providing services in over 4,000 municipalities

FCC has been providing urban sanitation and cleaning services since 1911, when it began providing waste collection services in Barcelona (the company still holds this contract). It has been collecting municipal solid waste in Madrid since 1940, winning the tenders held by the City Government since then.



► REVENUES IN THE NEXT nine years estimated at 470 million euro

Two new categories of inspector have been created: Quality Supervisor and Behaviour Observer; their main advantage over municipal supervisors is that they can intervene immediately to resolve any incident arising during operations. These professionals will log information that can be used to correct personnel behaviour and identify the corrective measures that may be required. Staff training will be a fundamental part of this area, and it will be provided on an ongoing basis, using the observations by the new supervisor categories of improper

It provides waste collection and treatment, street cleaning, facility management and garden maintenance services in approximately 4,000 municipalities in Europe, Africa and the Americas, serving approximately 50 million people.

In Spain alone, it operates in 3,420 municipalities, including many provincial capitals such as Albacete, Alicante, Ávila, Barcelona, Bilbao, Castellón, Cuenca, Gerona, Jaén, Las Palmas, Madrid, Málaga, Oviedo, Pamplona, Salamanca, San Sebastián, Segovia, Tarragona, Valencia, Valladolid and Vitoria, in addition to Ceuta and Melilla.

This new contract further strengthens FCC's leading position in Spain in this environmental area, in which it obtained 1.98 billion euro revenues in 2005. ■

FCC to handle sanitation services in San Sebastián over the



The city government of San Sebastián, Spain, has awarded FCC an 8-year contract to provide street cleaning services in the city. The contract is worth a total of 86 million euro. FCC won the contract in competition with two other large Spanish companies, with its bid receiving the highest score from the city's technical experts, whose decision was ratified by the governing council. The contract will require an investment of roughly 5 million euro.

► **Environmental oversight**
FCC will have a staff of 212 people to provide cleaning services in San Sebastián, which has a population of 183,000. A novel feature of this contract is that FCC will employ an

► **AS A NOVEL ENVIRONMENTALLY FRIENDLY FEATURE, recycled or groundwater will be used for cleaning the streets**

environmental inspector to report and raise awareness among the city's residents for sustainable management of the city's waste management and maintenance services. Additionally, other optional services have been awarded, such as the lease of restroom trucks for the city's festival in August, the replacement of old trash bins and installation of 1,300 new ones, and the launch of an awareness-building campaign in different communication media and advertising supports stressing different aspects of urban sanitation.



WASTE COLLECTION AND CLEANING SERVICES IN THE CITY'S BEACHES

In parallel, FCC will take charge of removing municipal solid waste and providing cleaning services on the beaches of La Concha, Ondarreta, Zurriola and the island of Santa Clara, and of removing flotsam and jetsam from the adjacent waters. With this contract, FCC now handles street cleaning in the three big cities of the Basque Country-Bilbao, San Sebas-

tián and Vitoria-and in 75 towns in the Basque Country. FCC companies provide urban sanitation and cleaning services in approximately 4,000 municipalities in Spain, other European countries, Africa and the Americas, serving about 50 million people; it is the leader in this field in Spain and one of the key players in Latin America.

next eight years



FCC unveils new urban sanitation service in Oviedo

As the winner of the urban sanitation contract in Oviedo, FCC unveiled the new fleet of waste collection and cleaning vehicles to be used in the city. The mayor of Oviedo, Gabino de Lorenzo Ferrera, FCC's Managing Director, Rafael Montes, the chairman of the company's service division, José Luis de la Torre, and the manager of the Environment division's machinery department, Alfonso García, attended the event.

► Since 1967

The new service is expected to produce 330 million euro in revenues over the term of the contract; FCC plans to invest close to 12 million euro. The contract is for a ten-year term, with the possibility of extending it for another ten years. The new fleet comprises 76 vehicles driven by compressed natural gas, which produce very low levels of noise and



TOP; GABINO de Lorenzo, the mayor of Oviedo, accompanied by Rafael Montes, José Luis de la Torre, and Alfonso García.

atmospheric pollution. FCC technicians described the workings of the new machinery, which includes waste collection trucks, street-washers, street-sweepers, graffiti removal trucks, mopping vehicles and other ancillary sweeping equipment. FCC has been providing urban sanitation services in Oviedo since 1967. ■

► THE CONTRACT IS EXPECTED to generate 330 million euro in revenues

RECOGNITIONS OVER THE YEARS

On several occasions, the ATEGRUS, the Technical Association of Waste Management and the Environment has given Oviedo several awards for being one of the cleanest cities in the country, including the Silver Broom in 1994, the Gold Broom in 1996, a Special Award in 1998, an Honourable Mention in 2000, and the Platinum Broom in 2002 and 2004, the association's highest distinction.

► Software application

FCC will also develop a computer application to enable the city government to have direct, up-to-date information about any incidents and about the progress of the street-cleaning services. The application will be freely accessible to all citizens via the web.

FCC will provide a fleet of 300 cleaning vehicles, including bin trolleys, street sweepers, inspection vans, street washers, and special cleaning vans and trucks.

Instead of mains water, the company will use recycled water or groundwater. For this purpose, FCC will install six tanks at various points around the city to refill the street washing vehicles. The tanks will be filled with treated wastewater from the Loyola plant, supplied in 20 cubic-metre trucks. The company also plans to prospect for underground water sources.

There will be an urgent cleaning service available round the clock using the most technologically advanced cleaning vehicle designed by FCC's own machinery department. ■

Cemusa gains foothold in **Milan**, Italy's largest advertising market



Cemusa, FCC's city furniture subsidiary, executed a cooperation agreement with the Italian company TMS, thereby gaining a foothold in this country's largest advertising market while contributing to the preservation of the city's cultural heritage. The company will manage 96 large advertising formats in the heart of the city.

The contract has been awarded by TMC S.r.l., an Italian company with acknowledged expertise in restoring historic buildings, which was recently commissioned by the Milan City Government to restore the Spanish wall (Mura Spagnole) – part of the fortifications built in the 16th century when Italy was under Spanish dominion – in exchange for a concession to manage advertising space. The contract reinforces Cemusa's

GENOA, PARMA, ROME, BOLOGNA

Cemusa's presence in Italy dates back to 2001 when the company won a tender in Genoa, followed a year later by a contract in Parma. In 2005, the company was awarded a management contract for the Fiumicino Airport in Rome. Last year, local authorities in Genoa awarded Cemusa a contract for the installation and operation of advertising in city furniture. The company currently manages over 110,000 advertising elements and supports in 110 cities in 11 countries in Europe, North, Central, and South America.



position in the Italian market by providing it with a very strong product in Milan, the outdoor advertising market most in demand among Italian advertisers, in addition to its pre-existing position in Genoa, Parma and Bologna. ■



► **WILL MANAGE 96 ADVERTISING** formats in the centre of this city in Lombardy



► **THE ONLY COMPANY WITH** an urban furniture advertising concession in Port Vell



Consolidates its presence in Barcelona

Gerencia Urbanística Port 2000 awarded Cemusa a five-year contract installation, upkeep, and exploitation of outdoor advertising using city furniture for support. Thanks to this contract, Cemusa

becomes the sole company awarded the concession for city furniture and outdoor advertising in Port Vell. The project includes the installation of 40 "oppi" type advertising panels and other panels providing information on the time and

weather. Port Vell is an attraction for tourists and city residents thanks to its exceptional location as well as its myriad leisure, sports, cultural, and business offerings, including Maremagnum, The Cataluña History Museum, and the Royal Nautical club. In addition to advertising in newsstands in Barcelona and the enormous appeal for advertisers in this part of the city, the contract also consolidates the FCC subsidiary's competitive edge in Barcelona. ■

Flightcare, service provider to Hainan Airlines and Singapore Airlines

Double success for Flightcare thanks to the incorporation of Hainan Airlines and Singapore Airlines in its client portfolio. Flightcare Belgium, with nearly 70% of the market share in Brussels airport and the first handling agent in Belgium to be recently awarded the ISO 9001 quality certificate, was selected by Hainan Airlines to provide ramp and passenger handling services for its new non-stop service from Beijing/Shanghai to Brussels. In addition, in the Asian market,



Singapore Airlines has chosen Flightcare as its handling agent for its new flights, three times a week, from Barcelona to Singapore via Milan. Eurohandling, a Flightcare subsidiary, will provide ramp and passenger services in Barcelona's airport while Flightcare Cargo will provide cargo-handling services. The potential of the cargo business could reach over 10 tons of goods each way, with the possibility of using connecting flights from Singapore for the airline company's huge network. ■



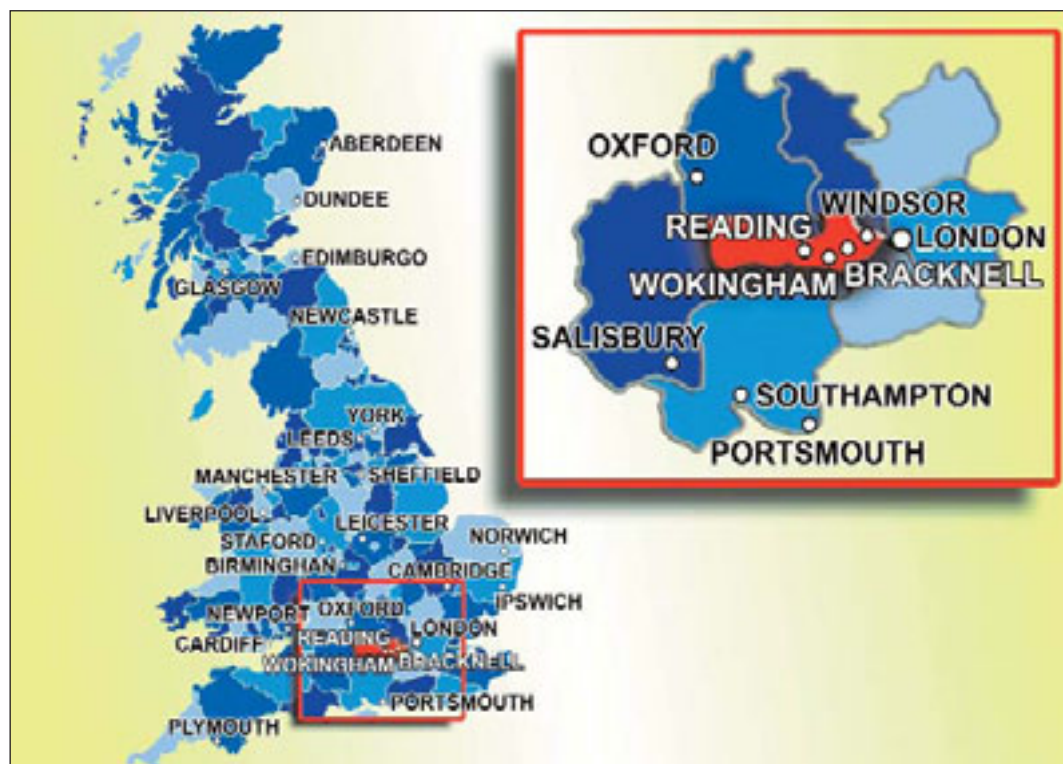
FCC wins 900 million euro contract in the United Kingdom

WRG's HUGE SUCCESS FOLLOWING ITS ACQUISITION BY FCC

Waste Recycling Group, a UK subsidiary of FCC, has signed a contract to manage municipal waste from the towns of Reading, Bracknell Forest, and Wokingham in Berkshire county for the next 25 years, with revenues in this period expected to reach around 900 million euro.

► 220,000 tons

This is a Private Finance Initiative (PFI) under which the three municipalities located west of London form the RE3 Waste Partnership to provide a sustainable solution to managing the 220,000 tonnes of household waste they produce each year. WRG will have to invest total of 68 million pounds sterling to build civic amenity sites, transfer stations and a recycling plant.





THE HEADQUARTERS OF THE BRITISH subsidiary of FCC, Waste Recycling Group, in Northampton.

BERKSHIRE COUNTY

Reading, Bracknell Forest and Wokingham are in Berkshire County in south-eastern England. Windsor is the most famous municipality in this county although Reading is the largest and most important one, followed by Bracknell Forest.

▶ WILL HANDLE WASTE IN three municipalities in central England

WRG is the UK's leading waste manager. It handles some 13 million tonnes of household, commercial and industrial waste each year and operates facilities for the reception, recycling and disposal of waste throughout the UK, including a network of waste transfer and recycling centres and a regional network of operating landfill sites. WRG has 58 landfills with a capacity of 185 million cubic metres, 28 transfer stations, 2 incinerators (including the UK's largest), 14 composting plants, 70 civic amenity sites and other facilities for recycling and processing industrial waste. ■

WRG FACILITIES

- 38 dumping sites.
- 28 transfer stations.
- 2 incinerators.
- 14 composting plants.
- 70 civic amenity sites.

▶ 500,000 inhabitants

These facilities will enable the three local authorities, whose combined population is close to 500,000, to attain high levels of recycling and composting during the contract's 25-year term, exceeding the landfill diversion targets set by the central government.

FCC has been operating in the United Kingdom for the last 15 years. The company is the leader in Spain and its presence in Portugal, Austria, the Czech Republic, Slovakia, Poland, Hungary, and Romania, makes FCC one of the leading players in this sector.

▶ Leading company

Waste Recycling Group was acquired last July by FCC as part of the strategic plan being promoted by the company's main shareholder, Esther Koplowitz. One of the plan's goals is for approximately 35% of total revenues to be obtained outside Spain. The acquisition cost nearly 2.04 billion euro.

FOCSA SERVICES UK

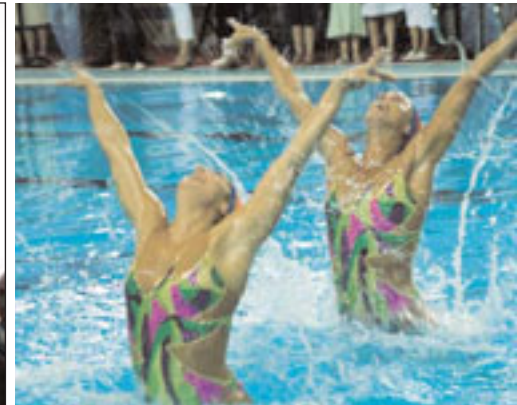
Focsa Services UK, an FCC Environment subsidiary with headquarters in Rochdale, Manchester, was founded in 1989 with the corporate object of developing environmental service activities in the United Kingdom.

The company currently employs 1,000 people in the country, either directly or through its subsidiaries Telford & Wrekin Services Ltd., Mercia Waste Management Ltd., and Severn Waste Services Ltd. It provides services to a population of more than one million and operates in the following municipalities:

- Herefordshire.
- Wychavon.
- Derby Dales.
- Allerdale.
- West Devon.
- Chester.
- Calderdale.
- Herefordshire & Worcestershire.
- Telford & Wrekin.

▶ ESTIMATED INVESTMENTS OF 68 million sterling pounds

Inauguration of the San Pedro del Pinatar (Murcia)



ON THE LEFT, RAMÓN LUIS VALCÁRCCEL, the president of the Murcia Autonomous Community jointly with Pedro José Pérez, the mayor of San Pedro del Pinatar Ramón uncover the plaque at the sports complex. Above, a demonstration by the national women's synchronised swimming team.

Ramón Luis Valcárcel, the president of the Murcia Autonomous Community, Pedro José Pérez, the mayor of San Pedro del Pinatar, and many local, regional, and Aqualia representatives inaugurated the new sports complex in this municipality. Occupying a plot of more than

5,000 m², the complex is next to the existing municipal sports facilities and rounds up the municipal sports offering with a wide range of activities. The new complex combines technology, design, and

functionality. Its modern facilities include two indoor pools, a gymnasium, dressing rooms, showers, an infirmary, and cafeteria as well as the services of expert professionals.

► **AQUALIA REMAINS INVOLVED IN THE construction and management of municipal sports facilities**

The Minister of the Environment visits Aqualia's stand in the Renewable Energy Fair

Aqualia participated in the third edition of the Renewable Energy and Water Technologies Fair organized by the Almeria Chamber of Commerce last October. The FCC subsidiary, specialising in comprehensive water management, participated in this event jointly with other sector representatives to provide information on its management capabilities in all aspects related to comprehensive water cycle management: collection,

purification, distribution, sewage, and treatment. It is the only company currently offering comprehensive water services. Cristina Narbona, the Minister of the Environment, and Fuensanta Coves, the councillor for the environment at the Andalusian Regional Government, visited Aqualia's stand at the fair. The Almeria Chamber of Commerce, responsible for organizing this event, adopted a new approach that contemplated a forum on CO₂ emission rights in



Europe and sustainable development.

► **Aqualia in Almería**

Its support for this event underscores Aqualia's commitment to the environment and efficient water management. In fact, the company manages

sports complex

The Spanish synchronised swimming team, headed by Gemma Mengual in her first appearance since her successful participation in the last World Championship in Japan, performed in the inauguration ceremony.

► Since 2003

Aqualia's first became involved in managing the municipal water facilities in the Murcia Autonomous community in 2003 when it was awarded a contract for providing services at the indoor swimming pool in the town of Mula. Subsequently, in 2005, the company was awarded contracts in San Pedro del Pinatar, Los Alcázares, and Cabezo de Torres. In the Valencia Autonomous Community, Aqualia manages the municipal pools in Alboraya (Valencia), Callosa de Segura (Alicante) and Monóvar (Alicante). In Toledo, the company manages the pool in the town of Mora. ■

CRISTINA NARBONA, the Minister of the Environment, speaks with Leandro Melgar, the Manager of Aqualia's South Zone division, during her visit to the company's stand.

water services in Almeria applying the latest in technology. It operates a desalination plant capable of producing 16 Hm³ of water per year and three wastewater treatment plants (Almeria, Toyo, and Cabo de Gata) with the most modern technology, including a tertiary process, one of the most modern in Europe, using ozone to treat up to 54,000 m³ of wastewater per day. Quite recently, the Ministry of Environment, as part of its "A.G.U.A." program, awarded the company, in a joint venture with FCC and Befesa, a contract for the Bajo Almanzora desalination plant in Almeria. ■



Aqualia receives award for its European vocation

Aqualia was among the 18 Spanish firms, out of 700 pre-selected companies, honoured with the Best of European Business Award, an initiative of the consulting firm Roland Berger, in collaboration with CNN, the IESE business school, and the newspaper ABC. Juan Clos, the Minister of Industry attended the ceremony held at the Casino de Madrid.

Emilio Ybarra, a member of ABC's board of director, handed the "Trans-Border Merger and Acquisition prize to Aqualia's managing director, Fernando Moreno.

In its decision, the panel of judges considered the company's expansion in Eastern Europe after the acquisition of Severomoravské Vodavy a Kanalizace Ostrava, A.S. (SmVaK), the third leading water management company in the Czech Republic and the principal

TOP, FERNANDO MORENO, Aqualia's managing director was handed the prize by Emilio Ybarra. Right, the headquarters of SmVaK, a water management specialist and FCC subsidiary, in the Czech Republic.



operator in Moravia and Silesia. The company also supplies water to Poland and has launched marketing operations in Slovakia. These prizes represent the first pan-European competition that recognises companies with the first performance, that show the best practices to be implemented, and promotes discussion on the strengths and outlook in Europe. ■

ROLAND BERGER STRATEGY CONSULTANTS

These awards are organized by Roland Berger Strategy Consultants, with the sponsorship of CNN and the Spanish newspaper ABC. The aim is to reward companies that, thanks to their excellent performance, are contributing to boosting European competitiveness in accordance with goals set out in the Lisbon Agenda.

The **Autovía del Camino**, the road **connecting Pamplona and La Rioja**, is completed

The largest infrastructure in the history of the Navarre Autonomous Community

Miguel Sanz, the president of the Navarre Government, inaugurated on 27 September the Los Arcos- Ebro stretch of the Autovía del Camino. The vice-president of the La Rioja Government, María Aránzazu Vallejo, the Secretary for Public Works, Transport, and Communications of the La Rioja government, Antonio Burgos, and the mayors of the communities along this stretch of the highway, were present at the official ceremony. The new 18.1 km-long stretch is the fifth and last one of this highway. It consists of two carriageways separated by a five metre wide interior shoulder, an intersection, and 17 structures (10 overpasses and 7 underpasses). Investment for this project totalled 52.4 million euro. The recently inaugurated stretch completes the project for the new highway built by Sociedad Concesionaria Autovía del Camino, in which FCC Construcción holds a



METAL BRIDGE OVER THE ARGA RIVER

The Puente la Reina stretch crosses the Arga river 500 metres upstream of a Romanesque bridge and includes a bridge of unique characteristics. This new bridge is 300 metres long and built with five spans, a continuous 23.2 metre wide embedded top gate seat across the 300 metre length supported by a 120 meter arch over the river and two intermediate pillars each separated by 60 metres.

Spatial dimension is achieved by the arches supporting the platform that, instead of being placed in parallel, lean towards each other. This solution, not developed until now, contributes to its uniqueness. The total amount spent on building this structure was 9.4 million euro.



40% stake. The Department of Public Works, Transport and Communications of the Navarre Government awarded the contract on 2 July 2002. This project includes the construction and a 30-year operating concession of the Pamplona – Logroño highway. It is one of the largest projects ever awarded by the Navarre Autonomous Community.

► Shadow toll system

The infrastructure, completed seven months ahead of schedule, stretches over 70.5 km between Zizur Mayor and the NA-134 road. It has 20 intersections for

► INVESTMENT FOR THE project was nearly 400 million euro, financed by means of the shadow toll system



accessing other municipalities in the vicinity.

Total investment was approximately 400 million euro, to be financed through a shadow toll system by which the Government of Navarre will pay the concession company a fee for each vehicle travelling on the road during the concession period.

The road was divided into five stretches and has several unique works, including the Perdón tunnel and the bridge over the Arga River. The project also included upgrading work on 16 local access roads, the creation of the Estella maintenance centre, and the system for measuring traffic.

► Zizur Mayor

Work began at the town of Zizur Mayor, close to Pamplona. The first stretch, Zizur Mayor-Puente la Reina is 11.7 km long and has four intersections. The tunnels under the El Perdon mountain range are among the singular structures. The second stretch, Puente la Reina, 5.2 Km. long with two intersections, two semi-intersections, and eleven structures, including the 300 metre long Santiago bridge over the Arga River, designed by the road engineer Javier Manterola, was opened to traffic in October 2004. In July 2005, the third stretch connecting the Puente La Reina and Estella roads was opened to traffic. This 12.5 km stretch includes sixteen structures and four intersections to the towns of Mañeru, Cirauqui, Alloz and Lácar. In June 2006, the 8.7 km stretch connecting Estella and Los Arcos was inaugurated and at the end of July, the other 14.1 km stretch close to Viana was opened to traffic. The latter has seven intersections and 33 structures. The opening of the fourth stretch of the Autovía del Camino, 21.8 km long, which starts at the Villatuerta intersection and ends after the Los Arcos intersection, which includes the extension of the Estella road, marks the completion of this project. ■

FIVE STRETCHES

- 1st stretch: Zizur Mayor and Puente La Reina.
- 2nd stretch: Puente La Reina road and the bridge over the Arga River.
- 3rd stretch: Puente La Reina/Estella.
- 4th stretch: Estella/Los Arcos.
- 5th stretch: Los Arcos/ Viana Intersection.

Stretch of the Burgos beltway opens to traffic

Last 14 September, Magdalena Álvarez, the minister of Development, and Juan Vicente Herrera, the president of the Castile and León Autonomous Community, inaugurated a stretch of the BU-30 beltway in Burgos. Spanning over 5.3 km, the highway runs from the intersection of the N-120 road to the intersection with

TECHNICAL TEAM

HEAD OF PROJECT

Carlos Ramón Rozas Labrador
Joaquín Jiménez Labadie

PRODUCTION MANAGERS:

Fernando Flórez Llanos
Jesús Sánchez Hermosilla
Enrique Nuño Cabiedas

HEAD OF THE TECHNICAL OFFICE:

Ismael Segovia Pérez



THE MINISTER OF Development, Magdalena Álvarez, and the president of the Castile-León regional government, Vicente Herrera, during the inauguration of the BU-30 highway. Left and below, detail of the road stretch.

the construction of 15,745 metres of service roads. Measures were implemented to minimise the impact on the environment, such as landscaping and environmental audits, and monitoring of archaeological aspects over the course of the project.

This new stretch will improve access to other cities. The trip from Logroño to León will take fifteen minutes less and heavy vehicles will no longer have to pass through the city of Burgos. ■



the Castile A-62 highway in the southern part of the city. FCC Construcción completed the project, worth 30 million euro, over a 34-month period.

► 10.4 kilometres

The road goes over the Madrid-Hendaya railway line and over the future Burgos railway. The main section is made up of two lanes with double carriageways, each 3.5 metres wide, with 1 metre wide internal hard shoulders, 2.5 metre wide external hard shoulders, and a 10 metre wide median. It includes three overpasses, 12 underpasses, and two intersections, one at the beginning of the stretch at the traffic circle, and one at the end at the

intersection with the Castile highway with four junctions, two direct, another one semi-direct, and one knot-shaped. The total length of road, including the branch lines, is 10.4 km. Additionally, the project includes





► **INVESTMENT FOR THE PROJECT** estimated at 53.9 million euro



The tunnelling machine for the subway line to Terminal 4 in Madrid Airport begins drilling operations

On 4 October, the president of the Madrid Autonomous Community, Esperanza Aguirre, accompanied by the Secretary of Transport and Infrastructures, Elvira Rodríguez, presided the ceremony marking the start of the drilling operations to be carried out by the “La Adelantada” tunnelling machine which will drill the tunnel for Line 8 of the Madrid underground system connecting to Barajas airport. Worth an investment of 53.9 million euros, the project will be operated as a concession during a 20 year-period.

The subway station at the new terminal will make it possible for users to arrive at the Nuevos Ministerios station in Madrid’s financial district in just over 20 minutes without having to change trains at any stations. The aerodrome will have two stations; the current one at the airport that provides services to terminals 1 and 2, and the final stop at the new terminal, which already has



the underground space prepared for the new infrastructure.

► Two stretches

The project involves drilling two tunnel stretches and the emptying of another intermediate tunnel. In the first stretch, the tunnelling machine will excavate 1.4 kilometres of the total 2.5 kilometre length of the tunnel, all of which should take an estimated three months.

The tunnel is being built using the cut and cover method, with reinforced concrete panels. The New Area Terminal, which will be

used both as a subway and railway station, is situated midway along the underground stretch.

The Adelantada tunnelling machine has already demonstrated its efficiency in other projects executed in the Madrid Autonomous Community. One of these projects is the Villaverde subway line extension that should be completed in the spring of next year.

The last stretch of the tunnel, 152 metres long, is a cul-de-sac to be used for manoeuvring and for storing mobile equipment. It is also being built using the cut and cover method with concrete panels and flagstones. This last stretch also features a pumping well.

A pump well is included in this part of the stretch. Other installations required for operations, such as electricity, the overhead contact wire system, lighting, ventilation, loudspeaker system, and others are included in the project. ■

TOP LEFT, Esperanza Aguirre, president of the Madrid Autonomous Community, and the Secretary of Transport and Infrastructures, Elvira Rodríguez, when the tunnelling machine started drilling operations. On the right, detail of the project; over these lines, Esperanza Aguirre presiding the event.

► **A 20-MINUTE RIDE FROM THE** Nuevos Ministerios subway station to the new Terminal 4 building

Esperanza Aguirre inaugurates the new, revamped Line 3 of the Madrid subway system

The president of the Madrid Autonomous Community, Esperanza Aguirre, and the mayor of Madrid, Alberto Ruiz Gallardón, inaugurated on 30 September the revamping project of Line 3 of the Madrid subway system. The president asserted that “this is the first project of its kind worldwide”.

One of the oldest subway lines in Madrid, Line 3 was built in the thirties in the last century. Traffic in this subway line, which had become quite obsolete, is among the heaviest in the city.

The extension will provide service to over more than 136,000 people plus the 260,000 subway riders using the current line, which, although only 6.2 kilometres long and with 11 stations is one of the most used since it connects the northern part of the city, at Moncloa, with the Legazpi district in the south.

The project involved the enlargement of the stations from the 60 to 90 metres in order to accommodate trains with six wagons instead of the previous four. The vestibule was also enlarged and escalators, Braille devices, and elevators were installed. The project also included: the construction of nine new power stations, reinforcement and waterproofing of tunnels and stations, the replacement of rails, as well as the construction of a new tunnel between the Argüelles and Moncloa stations, plus the enlargement of the Renfe railway station at Embajadores.

FCC executed the enlargement of the Sol metro station platforms and the new station at Moncloa that had been affected by the revamping of the bus station. Another station was also built at Legazpi, integrated in the subway line expansion project, with a new station connecting to Line 6.



The work carried will make it possible to extend the subway line down to the Villaverde district in the south of the city, a project that will also be executed by FCC.

► Sol metro station

The enlargement of the Sol metro station is at the junction of Preciados Street with Puerta del Sol. A new entrance and vestibule, built under the street, is accessed through the entrance of a commercial centre since there was not sufficient room at the street



TECHNICAL TEAM

HEAD OF THE DEPARTMENT:

Juan Girón Garrido

HEAD OF PROJECT:

Jesús Rodríguez Martínez

HEAD OF PRODUCTION:

D. Jesús Torres Gómez

SUPERVISOR:

Ramón Sobrino Seoane

UNDERGROUND
access and platforms
at the
Moncloa station.





NEW ACCESS AND vestibule at the Sol metro station, with access from a commercial centre.

TECHNICAL TEAM

HEAD OF DEPARTMENT:

Juan Girón Garrido

HEAD OF PROJECT:

Ignacio Segovia Cabrero

HEAD OF PRODUCTION:

Víctor Llamazares Fernández

SUPERVISOR:

Luis León Albuja



LEGAZPI-VILLAVERDE

FCC is executing the enlargement project of Line 3 of the Madrid subway system at the stretch between the Legazpi and San Cristobal de los Ángeles subway stations, a total of 5.7 kilometres. The project also involves the execution of five new stations, revamping of the Legazpi station, and upgrading and improving connection to Line 6. The Madrid Autonomous Community also awarded FCC a contract for the construction of the 2.6 km long San Cristóbal de los Ángeles–Villaverde Alto stretch, which is a continuation of the aforementioned.

level. Since the station, at the platform level, is wider than the street, it was necessary to buttress the buildings and work underneath to build the new sidewalls.

► The Moncloa Station

This is a totally new station. The affected stretch is 390 metres long. The station is on the street level, built with pile screens and concrete at different levels. It is attached to the existing bus station and the Line 6 subway

► THE FIRST COMPREHENSIVE revamping of its kind executed in the world

station. Connection from one station to the other is at the same level, thereby making it easier for travellers to go from one station to another.

A new entrance and vestibule were built at the southern end of the station, shared by both lines and the bus station.

► The Legazpi station

The project involved the demolition, refurbishing, and enlargement of the former platforms at the Legazpi station as well as revamping and adapting the station to the new architectural style of the Madrid subway system. The existing entrances were upgraded, both at the Legazpi Plaza as well as at the Paseo de las Delicias. In the former, escalators and elevators were installed in order to eliminate architectural barriers for the disabled. ■



THE PLATFORMS were adapted to the new design and architectural barriers were eliminated to facilitate access to the disabled.

TECHNICAL TEAM

HEAD OF DEPARTMENT:

Joaquín Arroyo Represa

HEAD OF PROJECT:

Oscar Díez Díaz

SUPERVISORS:

Eugenio Gómez Gavilán

Marco Antonio Ruano Bueno

ARCHITECTURE:

Maximiliano Casas Ripoll

Olga Muñoz Martín

Refurbishment of the Gran Vía in L'Hospitalet de Llobregat completed

On 31 August, the mayor of L'Hospitalet de Llobregat, Celestino Corbacho, and the secretary for Territorial Policy and Public Works, Joaquim Nadal, inaugurated the new Gran Vía de L'Hospitalet de Llobregat, the main gateway to Barcelona from the Prat Airport and the southern part of the Catalan capital. The solution for the new infrastructure consists of a high-



THE MAYOR OF L'Hospitalet de Llobregat, Celestino Corbacho, and the Secretary of Territorial Policy and Public Works, Joaquim Nadal, inaugurated the main gateway to the city of Barcelona.

areas, and pedestrian and automobile crossings. This contributes to separating these tranches from the heavy traffic in the Gran Vía in new Plaza Europa surrounding areas, thereby redounding in significant environmental improvements, particularly with respect to noise pollution and the integration of urban areas that had been historically divided by the former road.

The most striking aspect of this new road is that it runs mainly beneath the groundwater table, making it necessary to execute a complex network of deep pumps and to anchor the counter-vaults with pre-stressed piles at the outdoor stretches.

Its proximity to existing urban infrastructures as well as the service tunnel of the Generalitat de Catalunya railways required the use of different monitoring systems.

The Plaza Europa project is completed with lateral carriageways to the new Gran Vía and the Amadeo Torner railway station connecting with the new Line 9 of the Barcelona subway system. ■

capacity carriageway between the Plaza Cerdá, at the municipal limit of Barcelona, and the junction with the Bellvitge district railway line plus lateral carriageways with ascending and descending ramps.

► Parallel cut-off walls

The main typology consists of two series of parallel cut-off walls with a maximum height of 38 meters topped by a row of central cut-off walls in the false tunnel stretch and cut-off walls of different heights at the ramp section. In order to restore urban continuity at both sides of the Gran Vía, the Miguel Hernández Can Tries, Amadeo Torner, Castelao

and Commercial Centre deck slabs were built, supported on the cut-off walls, with landscaped

TECHNICAL TEAM

HEAD OF DEPARTMENT:

Joan Bordas Tutau

JOINT VENTURE MANAGER:

Rafael Corts Donat

HEAD OF PROJECT:

Enrique Ibáñez Castillo

HEAD OF THE TECHNICAL OFFICE:

Lluís Basteiro Bertolí

► **THE ROAD MAINLY STRETCHES** beneath the groundwater table



FCC acquires Elcen

Espelsa, an FCC Construcción subsidiary, acquired a 100% stake in Elcen S.A. Montajes Eléctricos, as part of its strategy, supported by the FCC Group, aimed at diversification and strengthening its Industrial Group. Elcen, S.A. specialises in the construction and maintenance of distribution and transport networks, transformation stations and substations, voltage projects and medium and low voltage

installations. It operates in the central region and in Castile-La Mancha, and has branch offices in Madrid, Villalba (Madrid), Albacete, and Cuenca.

It carries out considerable activity for the leading power, engineering, and construction companies and for public and private clients.

This acquisition will boost Espelsa's growth 20% in 2007, with turnover estimated at 110 million euro. ■



▶ **OPERATES IN THE CENTRAL**
region and in Castilla-La Mancha

The School of Tourism inaugurated in Murcia

On 19 September, Ramón Luis Valcárcel, president of the Murcia Autonomous Community inaugurated the "Centro de Cualificación Turística de la Región de Murcia" (Murcia School of Tourism). The secretary of Tourism, Trade, and Consumption, José Pablo Ruiz Abellán was also present at the event. Investment for this project totalled more than nine million euro.

FCC was in charge of the construction of the building for Región de Murcia Turística, S.A. The building, with 8,487 m² of floor space will be used as a specialised centre for tourism studies. The centre's activities will focus on training, research, and the promotion of the tourist industry in the region. Different courses are planned, including cooking, restaurant, and hotel studies.

The centre has three floors and a semi-basement plus a large area for classrooms, more than 800 m² for hostelry courses with kitchens, bread shop, bakery, refrigerators, warehouses, dressing rooms, a 400-seat auditorium, a library, cafeteria, a restaurant and bar for practice. It also has an underground parking facility for 54 vehicles. ■



TECHNICAL TEAM

HEAD OF PROJECT:

Manuel García

HEAD OF PRODUCTION:

Antonio Navarro/ Mariano Herráiz

SUPERVISOR:

José Blázquez

FCC improves drainage and sanitation in Santander

Gonzalo Piñeiro, the mayor of Santander, and the secretary for the Environment, Íñigo de la Serna, inaugurated the general drainpipe in the San Martín-Primer de Mayo-Ría de Raos district that will collect wastewater so that it is not sent directly into the Raos tidal inlet.

This is one of the most important and ambitious projects carried out by the Santander authorities and will greatly benefit an area with a population of more than 21,000 .

FCC was in charge of executing this project, jointly financed by the Santander City Council and the European Union Cohesion Fund, which contributed 80% of the budget.

► Main drainpipe

The project involved the installation of a main 2 km-long drainpipe extending the current one near the Raos canal with a diameter of 1 to 1.8 meters, and three spillway tanks along its length.

In addition, a pumping station for

TECHNICAL TEAM

HEAD OF DEPARTMENT:

Alejandro Solares Domínguez

HEAD OF PROJECT:

Enrique Portilla Balza

David Valcárcel García

ADMINISTRATOR:

Juan José Alonso Venero

SUPERVISOR:

José Luis Díez Sumillera



INAUGURATION OF the general drainpipe in the San Martín District by the mayor of Santander, Gonzalo Piñeiro and the secretary for the Environment, Íñigo de la Serna.

surplus rainwater was built, featuring six pumps capable of raising an 8.79 m³ volume of flow to the manometric height of 2 to 3.45 metres that is necessary in order for this water to flow into the canal emptying out into the Raos tidal inlet, thereby resolving flooding risks in this district. Other complementary works were contemplated during the course of the project to restore the surroundings with landscaped areas and walks.■

Completion of the sewage system at the Triana River in Langreo (Asturias)

Vicente Álvarez Areces, president of the Asturias Principality, and the mayor of Langreo, Esther Díaz, inaugurated the channelling and sanitation project of the Triana River in Langreo. The secretary of the Environment, Territorial Allocation, and Infrastructures, Francisco González Buendía, and the General Director of Environmental Quality and Hydraulic Works, Antonio Suárez Marcos, were also present at this event.

The project, executed by FCC, involved the construction of a 2.5 km-long network of drainpipes for Triana River basin wastewater consisting of four collectors and a spillway, to incorporate it into the general sanitation system of the Nalón River.

Among other actions, the project also involved water works along the Triana River to ensure drainage



TECHNICAL TEAM

MANAGER:

Alberto Hernández Castillo

HEAD OF PROJECT:

Ignacio Bernardo Díaz

HEAD OF PRODUCTION:

Alberto Gutiérrez Guerra

PROJECT ASSISTANT:

Henar Parra Hernández

capacity, the construction of a 1.5 km canals on the right and left side of the river that also serve as a leisure area for the population, and for the maintenance and operations of the underground collector.■

► 2.5 KM OF SANITATION drainpipes

Madrid: Tizona drills the south by-pass of the M-30

Tizona, the tunnelling machine owned by FCC and the largest one in the world, recently completed drilling the end of the south tunnel bypass of the M-30 beltway in Madrid. This project, worth 410 million euro, had been awarded at the beginning of the year to a joint venture in which FCC (50%) participates with another



and the M-30 at Conde de Casals with the tunnels to be completed in the very near future along the Manzanares River.

► One of the safest in the world

As one of the safest tunnels in the world, it will have a gallery for service and emergency work along the length of the tunnel in both directions. In addition, it will



company. On 30 October, Alberto Ruiz-Gallardón, the mayor of Madrid, and Esperanza Aguirre, the president of the Madrid Autonomous Community, attended the event marking the completion of drilling operations, which the mayor of Madrid inaugurated last 21 February. The project, originally expected to last 12 months, was completed five months ahead of schedule. Tizona completed drilling 3,664-metre tunnel, advancing a maximum 46 meters per day. Work was ongoing 24 hours a day, seven days a week thanks to a team of 600 employees, working in three shifts.

► Exceptional

The tunnelling machine is 148 metres long, has a 15.2 metre diameter, 14,000 kW of power, weighs over 4,200 tons and is

capable of drilling and lining the tunnel at the same time. Madrid's mayor described it in this manner: "Tizona is exceptional in all respects. The complexity involved in its transport and assembly, its technical characteristics and size, make its performance exceptional." With regards to the human team in charge of machinery control and management, the mayor praised their work, since, thanks to their dedication, Tizona improved its performance from 136 metres a day in May to up to 800 in October. The South bypass consists of two twin tunnels, going north and south, each with three 3.5 metre wide lanes and an approximate length of 4.2 km, 90% of which was drilled by the tunnelling machine. This stretch connects to the A-3



ALBERTO RUIZ-Gallardón, the mayor of Madrid, accompanied by Esperanza Aguirre, the president of the Madrid Autonomous Community, and the city's deputy mayor, Manuel Cobo, as well as other political representatives and city technicians at the ceremony held on 30 October.

have 13 pedestrian galleries every 200 metres and every 5 meters for the evacuation of automobiles, as well as seven emergency exits. In its interior, 464 TV cameras have been installed as well as 18 km of fire detection cables, 472 fire hydrants, 15,710 points of light, and 112 different types of graphic signs.

► Environmental improvement

The City Council's commitment with environmental sustainability is one of the key factors considered in the execution of this major project. Ventilation systems will be installed to ensure air quality and filter 80 percent of nitrogen dioxide emissions from automobiles. Sound pollution will also be reduced since 80,000 cars will be using the tunnel rather than the surface road. ■

Realia invests 300 million euro, buys three more buildings in Paris

Realia, a group owned by FCC and Caja Madrid, expands its property portfolio by acquiring several office buildings in Paris, investing nearly 300 million euro.

Realia Business reinforces its international diversification by acquiring several buildings in Paris through its subsidiary SIIC de Paris, investing nearly 300 million euro. The buildings are located at 85-89 Quai André Citroën (15th arrondissement); 2, rue du 4 septembre (2nd arrondissement); and 2, Place Maurice Quentin (1st arrondissement). The acquisition is a decisive move in the company's policy of diversifying in terms of both product type and location. REALIA's focus on



internationalisation is reflected in the fact that it has invested over 1 billion euro in France so far this year.

▶ 33,023 m² of floor space

The buildings have a total floor area of 33,023 square metres above grade, comprising 27,977 sq. metres of offices, 1,080 sq.

metres of commercial space and 3,966 sq. metres for other activities. They also have a total of 433 parking spaces. The occupancy rate is 99% and tenants include the French Ministry of Justice, the Electricity Regulatory Commission and the National Centre for Space Studies. All the buildings are of excellent quality,

THE BUILDING situated at 85-89 de Quai André Citroën. Above, the Place Maurice Quentin building. On the other page, the building at rue du Quatre de Septembre.

in privileged locations with superb communications.. The acquisition seeks to further Realia's strategy, based on functional and territorial diversification, and confirms the growth target set by the Group when it was created in 2000. REALIA has made significant progress in internationalisation in



2006 due to the acquisition of SIIC de Paris, a company that is listed on the Paris Stock Exchange, and of Lafarge's headquarters building, in one of Paris's prime districts

► French market

In June 2006, REALIA announced the acquisition of SIIC de Paris for 586 million euro. It also spent 151 million euro to acquire the Lafarge building. Overall, the company has invested over 1 billion euro in France.

After incorporating the recently acquired buildings, SIIC de Paris will have close to 35 buildings in portfolio, with a total of 135,000 square metres above grade, most of which are occupied by offices. Its assets are in prime locations in the central business districts of Paris.

This investment policy is in keeping with the strategy designed by the core shareholders

THE REALIA GROUP

REALIA has over 500,000 square metres of rental property, in a portfolio of landmark buildings in prime locations in Spain, France and Portugal.

With a gross total of 10.3 million square metres, REALIA is one of Spain's largest property companies. REALIA is currently developing over 100 projects, involving 8,500 dwellings, in the main coastal and inland cities

The group is also a very active player in shopping and leisure centres, an area in which it has extensive experience. It currently has four new projects under way in this market in Spain: Ferial Plaza in Guadalajara, Parque Comercial Plaza Nueva in Leganés (Madrid), As Cancelas in Santiago de Compostela, and La Noria Outlet Shopping in Murcia. Other landmark centres in Realia's portfolio include El Jardín de Serrano, Diversia and La Vaguada in Madrid, Nervión Plaza in Sevilla and Twin Towers in Lisbon.

► THE REAL ESTATE GROUP'S investments in the French market total over 1 billion euro

for Realia's forthcoming IPO. SIIC de Paris is a unique springboard for entering the French market, the largest, and one of the most stable and transparent property markets in

the European Union, which has a very favourable taxation system. REALIA continues to expand abroad, having established itself in Portugal and commenced operations in Poland. ■

FCC Group's new Data Processing Centre starts



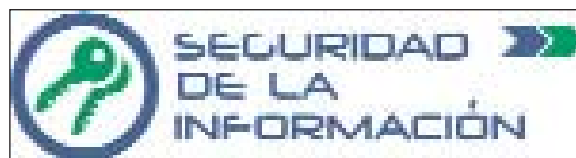
The new FCC Data Processing Centre was inaugurated last 27 September. This is the first step in the Group's new management model based on three concepts:

- Data Processing Centre.
- Information Centralisation.
- Bringing IT closer to the Business

► Processing Centre

The centre involves the use of information storage and processing infrastructures, rightsized according to the needs of the company and its activities, and able to supply services in accordance with estimated service levels.

This centralised infrastructure model, managed by highly qualified personnel, protects systems from service interruptions, optimises classification, storage and distribution of information; provides the business with the



BENEFITS

- An infrastructure that makes it possible to have systems always available and updated according to the latest technology.
- The delegation of technical tasks to a group of experts.
- Reduction of management costs and upgraded security.
- Mobility solutions for those who might require them.
- A platform for Group's growth and integration of newly acquired companies.
- A "single data" model as called for by the INTEGRA project.

► THE CENTRE IS THE FIRST STONE in the Group's new information management model

services that it requires at established service levels, and maintains a high-performance copy backup system.



► Centralisation

Not all information is created in the same manner or has the same importance. Nowadays, an e-mail

operations

can be more important than the company's annual report for the previous year.

The value of information changes over time, increases or decreases, as well as the necessity for its availability. If information is scattered throughout the organization, it is impossible to implement the correct strategy for its proper use. Consequently, tools may be implemented to centralise information that make it possible to:

- Establish a storage hierarchy.
- Store a copy of the information.
- Classify contents and define audience groups.
- Safeguard and eliminate useless elements.
- Prevent the deletion of regulated information.

► Closer to the business

The Information Technology Infrastructure Library (ITIL) – ITSM (Information Technology Service Management) model for managing the company's information elements is designed to align business requirements with information to reach common objectives.

The goal of proper information service management must be based on quality management, enhanced efficiency, business process and information infrastructure alignment, and on reducing information service related risks.

ITIL establishes the best practices for meeting these targets by implementing a systematic approach focused on: processes and procedures; defining a strategy for operational management of information infrastructures implementing a service support methodology in the event of any incidences or errors; and having in place a service provision mechanism that ensures availability, accessibility, service levels, and change management. ■

GONZALO ANES, THE ECONOMIST AND HISTORIAN, receives the Rey Juan Carlos Economics Award.



Gonzalo Anes receives the Rey Juan Carlos Economics Award

On 14 November, Gonzalo Anes y Álvarez de Castrillón, an economist, historian, and FCC director, was awarded the Rey Juan Carlos Economics Award at an event in the Bank of Spain. This award is granted every two years by the Jose Celma Prieto Foundation. The deputy vice president and minister of Economy, Pedro Solbes, and the governor of the Bank of Spain were also present at the award ceremony, presided by His Majesty the King of Spain.

Marcelino Oreja, the chairman of FCC; Rafael Montes, the managing director, and the directors Martínez Zabala, Juan Castells, Antonio Pérez Colmenero, and Felipe B. García Pérez attended the event as FCC representatives.

In his acceptance speech, Gonzalo Anes expressed his appreciation for this distinction and told His Majesty the King that he felt "very honoured by this award which bears the name of Your Majesty, and was so generously founded by José Celma Prieto". He also expressed his gratitude to the founder of the award and

the members of the jury who had valued his vocation as an economist, "concealed by his preference for doing research on the past".

The Foundation created this prize in 1986 as a recognition of the scientific and professional achievements of Spanish and Latin American personalities in the field of economics.

Gonzalo Anes holds a PHD in Economic Sciences and is a professor of history and economic institutions in the science faculty of the Universidad Complutense of Madrid. He is also Doctor Honoris Causa by the University of Oviedo and Alicante. In December 1998, he was elected Director of the Royal Academy of History and, in 1995, received the National History Prize, in addition to having been honoured with the "Gran Cruz de Alfonso X El Sabio" and the "Gran Cruz de Isabel la Católica". Gonzalo Anes is also a member of the Real Patronato of the Prado Museum, and is a Director of the Príncipe de Asturias Foundation Governing Commission. ■

► **THE JOSÉ CELMA PRIETO FOUNDATION** created the Rey Juan Carlos Award, given every two years, in 1986



FCC Construcción publishes its second

FCC Construcción has just published its second Sustainability Report, which, according to the company, “renews the company’s commitment to offering all stakeholders transparent information on its actions and to inform them on its management as a response to its voluntary decision to periodically notify its stakeholders on the company’s social, environmental, and economic progress in accordance with the Global Reporting Initiative 2002 Guidelines”. The report is the result of a detailed analysis of the risks involved in the construction business, the expectations of different stakeholder groups, and the company’s response with respect to these concerns. One of the novelties introduced in this report is that it benchmarks the indicators against standard G3 and incorporates a Progress Report in accordance with the principles set forth in the United Nations Global Pact. In this regards, the report analyses the company’s contribution to modern day society, underpinned by a rigorous Management and Sustainability System that contributes to the company’s

financial strength, its technological solvency, human and material resources, and values embedded in its century-old corporate culture. In comparison with the previous Sustainability Report, this year’s report highlights the refocusing of the structure to align the strategic framework (risk analysis results and stakeholders) with actions and results, and the systematisation of the report’s presentation to make it easier to read and classify the ideas contained therein.

▶ Operating improvements

In 2005, FCC Construcción reported very satisfactory results and significant progress in environmental and on-the-job safety issues. The company has continued to develop its Management and Sustainability System and has implemented the Syscomp centralised procurement system as well as the Petra Plan aimed at controlling risks at specific projects and surrounding structures. This has required the dedication of 5,600 hours by engineers. It was also intensely involved in the implementation of Good Practices to minimise the inconveniences that its work may

TOP, THE NAVIA stretch of the Cantábrico Highway, and the Las Arenas Spa Hotel in Valencia. Right, the cover of the Sustainability Report.



cause to people living close to its projects. Last year, the company collaborated in the implementation of the Ten Principles of the United Nations Global Pact through initiatives such as the seminar on Responsible Construction held in November in collaboration with the Association of Civil Engineers, Asepam, Aenor, the Entorno Foundation, and the Green Building Challenge. Environmental upgrades 91.4% of FCC Construcción’s activities are certified in accordance with the ISO 14001 standard. The company is fully aware of the impact that it can



STEPS TOWARDS A GREATER SOCIAL COMMITMENT

Unemployment and the precariousness of jobs are among the main reasons leading to social exclusion. The company's efforts focus on strict monitoring of contracting, ensuring legal coverage to all personnel in Spain and abroad. Data contained in the Report indicate that 100% of personnel meet legal requirements and that 99.6% of employees have full-time jobs.

The rate of temporary work at FCC Construcción is 48% below the national average. Net job creation in 2004-2004 was 13.06% higher than the 11.37% reported in the 2003-2004 period.

Accident rates at FCC Construcción are one-fourth lower than the average for the sector thanks to its prevention policy in which workers' safety comes first and makes all stakeholders part of prevention management, research, and the design of protection systems.

Portland celebrates the first Seminar on Environmental Communication at its El Alto factory



C

ementos Portland Valderrivas organized the first Seminar on Environmental Communication at its

El Alto factory in Morata de Tajuña (Madrid). The seminar is an initiative aimed at dissemination information on measures taken in favour of sustainable development by the entire CPV group and one of the main activities on sustainability developed by Spain's leading cement company.

The seminar – which counted with the attendance of nearly one hundred people, including neighbours, representatives from the corporate and labour union world, and environmental organizations – was presided by José Trigueros Rodrigo, the Deputy-Councillor of the Environment of the Madrid Autonomous Community, the mayor of Morata de Tajuña, Concepción Loriente, and the CEO of the CPV Group, José Ignacio Martínez Ynzenga.

The representative from the Madrid Community highlighted the importance of "companies such as Cementos Portland Valderrivas of paying attention to environmental issues and of collaborating with the regional government to achieve these ends." The mayor of Morata de Tajuña added that "it would be wonderful to have many Portlands in the region" thanks to its respect for the environment and the wealth it generates in this municipality.

José Ignacio Martínez Ynzenga, stressed that "for CPV, environmental stewardship and sustainable development were more than an obligation, a requirement, or a characteristic commitment of our company".

The seminar also included an open-house event at the El Alto factory (considered one of the most efficient ones in Europe in terms of efficiency, welcoming roughly 300 visitors. ■

Sustainability Report

RESEARCH, DEVELOPMENT, AND INNOVATION

The 2005/2006 Sustainability Report, analyses the organization's research, development, and innovation (R+D+i) activities. The company is an active member of the national Technology Platform and the European Construction platform.

The Promotion of Innovation Prize was created in 2005 to build the organization's awareness on the importance of applying the most advanced technologies in construction processes. The winner in the first edition of this contest was "Carro Prefisurador Victoria".

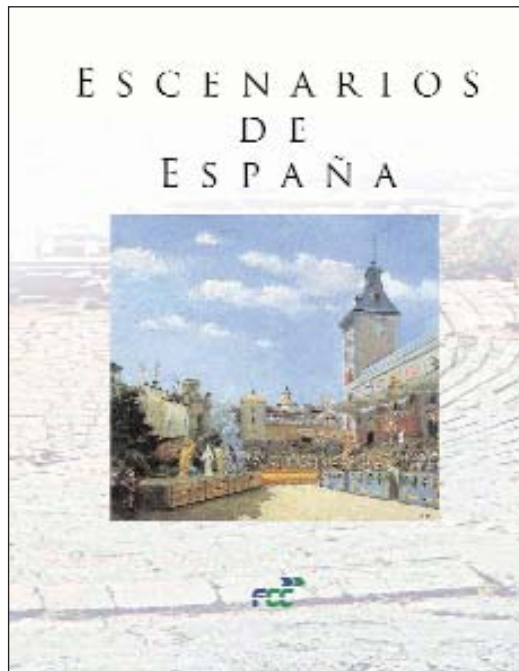
have on its surroundings. These are contemplated in its Management and Sustainability Systems, detailed in the 2005 Environment Report, and summarised in the current Sustainability Report. Aware of the serious situation resulting from the enormous amount of construction waste generated in Spain and the many possibilities for reducing this amount, FCC has implemented in 85% of its projects measures to minimise and capitalise construction-related waste, thereby preventing the dumping of nearly 2.4 million metric tons of soil and more than 230,000 cubic metres of rubble. The company has also succeeded in reducing the costs involved in

transporting construction rubble to dumping sites by 45% and has launched the Logro Plan and the Reto Project, developed in Cataluña, that contribute to mitigating problems with respect to construction and demolition waste.

FCC Construcción has set up an extensive training plan in keeping with its environment-friendly policy. Practically all technician and project supervisors involved in works that have an environmental impact have taken specialised courses. This has also redounded in the improvement of environmental performance by introducing stricter subcontracting conditions and the dissemination of an environmental culture within the company. ■

FCC's new book: "Escenarios de España"

FCC unveiled its latest book, fourteenth of its collection, entitled *Escenarios de España* (*Scenarios in Spain*) describing place that accommodate audiences and their scenarios. Around twenty authors participated in this new volume with many illustrations that provide a good description of scenarios in Spain. The book covers different historical periods and is very general: from the Greek-Roman heritage up to the present time, and includes a large selection of scenarios: Roman theatres and amphitheatres, churches, comedy houses, opera houses, zarzuela theatres, cafes, cinema stages, auditoriums, concert halls, stadiums, racetracks, and many more.



and on to the birth of cinema. It was during the latter period when there was an enormous increase in the number of stages: the Zarzuela Theatre and the Royal Theatre were born in Madrid at this time, as well as the Círculo del Liceo in Barcelona and the first cinemas.

The last chapters are dedicated to the twentieth century and the beginning of the twenty-first century when mega premises start to appear; large cinemas, sports stadiums, sports tracks, dog-race tracks, auditoriums, and sports pavilions. The last part of the book includes three illustration annexes describing the theatres, auditoriums, arenas, and sports stadiums in Spain, classified by autonomous regions and, within these regions, into

► Historical periods

As in previous volumes, the book is divided into historical periods, with four chapters, 480 pages, and 929 illustrations.

It begins with the Greek and Roman times and moves on to the end of the middle ages, describing the first public spaces dedicated to housing events, with magnificent examples. It continues with the Spanish Golden Age and then on to the Century of Lights, with a splendid selection of places used for theatre representations, public squares, scenarios for large affairs and interpretation; then it moves to the Illustration period

provinces and municipalities.

This voyage offers an image of our customs and is certainly a very valuable contribution to the history of architecture and construction in Spain.

► Gold Medal

On 23 January, 2004, the Royal Academy of History awarded Esther Koplowitz the Gold Medal for her work in promoting books on science and history.

This new work represents a historical-literary contribution and the entire collection published by FCC is widely used as reference books in university and academic circles. ■

LATEST WORKS PUBLISHED BY FCC

These four books are part of a collection that FCC has been publishing every Christmas over the last 13 years. Distinguished writers, architects, engineers, historians, professors, and representatives of the academic world have collaborated in these publications.

Ferías y Fiestas de España describes the calendar of Spanish holidays; *El municipio: historia de los servicios urbanos* is a historical voyage on the evolution of urban services; *Obras singulares de ingeniería en España* includes the greatest projects designed to improve the quality of life of the human race; and *Historia del carruaje en España* contains a detailed account of the history of carriages and their multiple uses.

