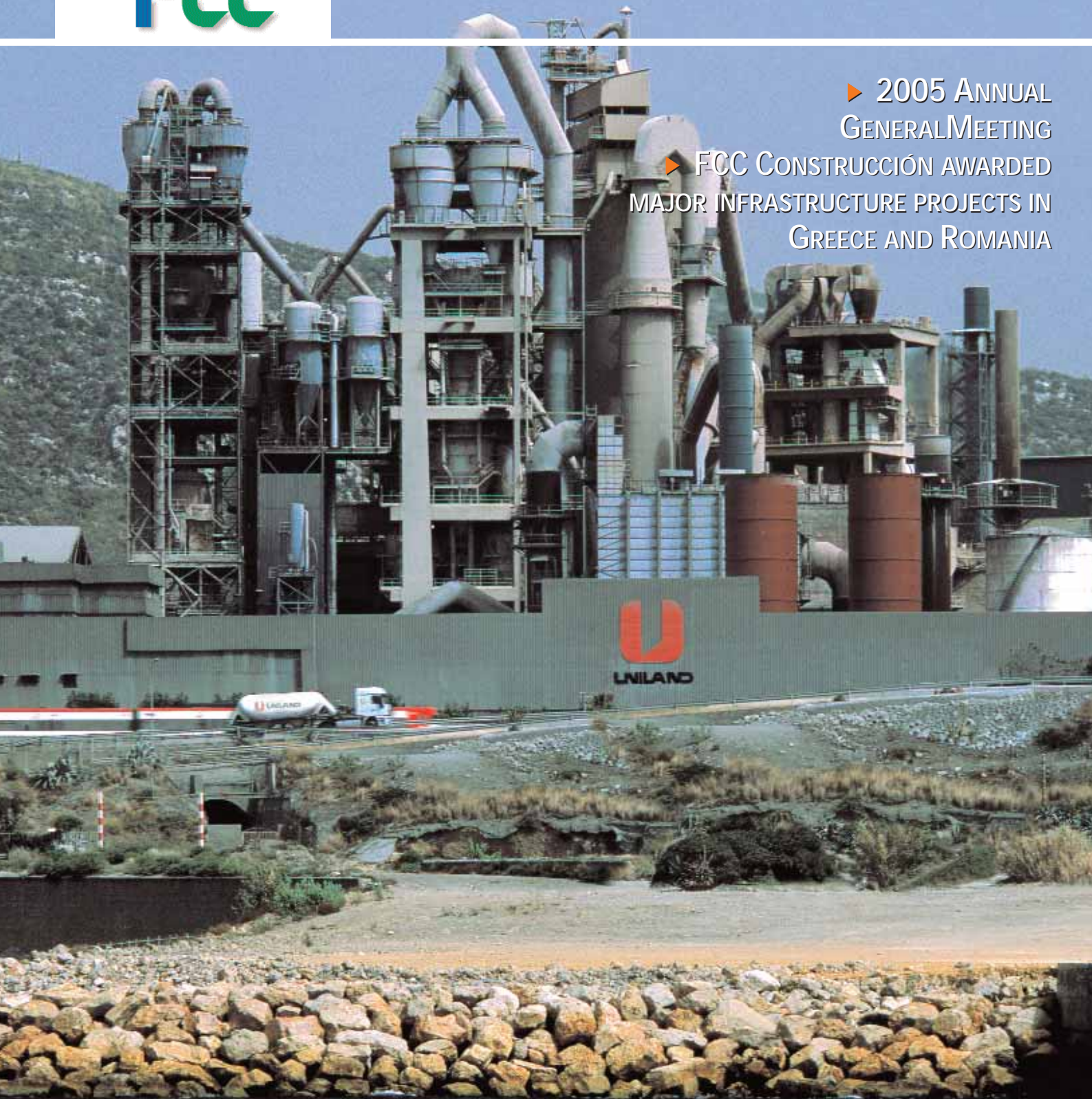


- ▶ 2005 ANNUAL GENERAL MEETING
- ▶ FCC CONSTRUCCIÓN AWARDED MAJOR INFRASTRUCTURE PROJECTS IN GREECE AND ROMANIA



▶ Portland Valderrivas **leads**
the cement sector in Spain

CEMENT FACTORIES IN OLAVARRÍA, Argentina, and Sayago, Uruguay (small photos). On the right, the Vallcarca (Barcelona) concrete factory. Below, detail of this facility.



Cementos Portland Valderrivas, Spain's major cement group and one of the leaders worldwide

ACQUIRES UNILAND, LEADING COMPANY IN CATALUÑA WITH FACTORIES IN LATIN AMERICA AND TUNISIA

Cementos Portland Valderrivas, an FCC Group subsidiary, acquires a 51% interest in Uniland for 1.092 million euros. The deal should be concluded in the third quarter after obtaining the necessary approval from anti-trust authorities.

Cementos Portland Valderrivas (CPV), a subsidiary of FCC, has completed the acquisition of 51% of Uniland for 1.09 billion euro.

The transaction, which makes CPV Spain's largest cement group, was signed on 4 June in Barcelona and marks another step forward in the implementation of FCC's Strategic Plan.

The deal is expected to be completed in the third quarter after obtaining the necessary approval from anti-trust authorities.

The operation coincides with the recent appointment of José Ignacio Martínez-Ynzenga as Chairman of CPV.

Pursuant to this agreement, other shareholders, up to 73.5% of share capital, have a put option to sell their CPV shares under the same price and terms. The option runs for five years.

In 2007 (the first full year of consolidation), the new group

will obtain 1.8 billion euro in revenues and over 600 million euro in EBITDA (i.e. an EBITDA margin of 30%). The operation will be financed entirely with debt, which will enhance CPV's return on equity given its low leverage.

► Leader in Cataluña

Uniland is Cataluña's largest cement company and has a strong international presence.

- In Cataluña, it has two cement plants (Els Monjos and Vallcarca), 27 concrete plants, seven aggregate plants and eight quarries.

- A cement plant, four concrete plants and a quarry in Tunisia.

- In Latin America, it operates in Argentina with two cement factories, six concrete plants and two quarries, and in Uruguay it has a cement plant, four concrete plants and one quarry.

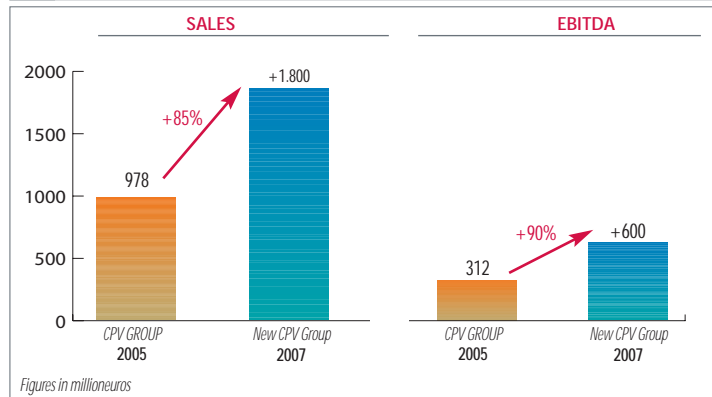
Uniland also has cement terminals in Louisiana (USA) and Ipswich (United Kingdom), and a subsidiary in the Netherlands that specialises in trading activities. All of these facilities account for the Catalan company's international assets.

Uniland reported 447 million euro in revenues in 2005, and 155 million euro in EBITDA.

Spain's largest cement group



A QUANTITATIVE LEAP FORWARD IN GROWTH PLAN



Following this acquisition, CPV is Spain's leading cement group and one of the biggest in the world, with 15 cement plants, 170 concrete plants, 63 quarries and 18 mortar plants worldwide, in addition to other assets. Its cement production capacity is 18.8 million tonnes.

CPV's revenues are projected to exceed 1.8 billion euro in 2007, i.e. 85% more than the 978 million euro registered in 2005.

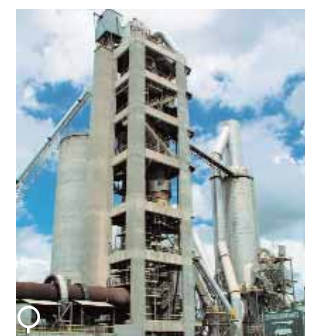
That same year, EBITDA will increase by 90% to over 600 million euro.

Integrating Uniland is expected to save the CPV Group over 20 million euro per year through synergies from the second year onwards.

The operation is a major leap forward for CPV, both quantitatively and qualitatively: as well as rounding out its coverage in Spain by adding a dominant position in the Catalan market, the deal opens new possibilities for international expansion, particularly in the Mediterranean region. ■

▶ A GREAT QUANTITATIVE AND QUALITATIVE leap forward for CPV in the international scenario

Acceso a mercados de alto potencial de crecimiento



ABOVE, THE EL MONJOS factory in Barcelona and below, the cement factory in Uruguay.

ESTHER KOPLOWITZ, FCC'S MAJOR shareholder and the CEO, Rafael Montes, who thanked her for her support and constant concern for creating value for shareholders. On the right, FCC's Senior Management at



The success of the Strategic Plan highlights

RAFAEL MONTES EMPHASIZES THE DEEP TRANSFORMATION UNDERWAY AT FCC

The FCC Annual General Meeting held in Barcelona on 29 June approved the company's accounts, the distribution of dividends, and other items on the agenda, including the appointment of two new Board of Director members, Miguel Blesa and Max Mazin, for a five-year term.

Marcelino Oreja, the Chairman of the Board, focused on the company's institutional life over the past year and highlighted the publication, for the first time, of the Corporate Social Responsibility Report, prepared in accordance with United Nations recommended international standards for these types of reports.

"With the publication of this report", the Chairman said, "we want to stress FCC's commitment to the social corporate responsibility values, good

governance, and sustainable development, the guiding forces for all the activities that we undertake".

He also mentioned the court decisions in favour of FCC in its litigation with Acciona and which are already definitive. "These decisions", he added "demonstrate FCC's scrupulous behaviour with respect to this

► APPOINTMENT OF TWO NEW board members: Miguel Blesa and Max Mazin

FORECAST

Rafael Montes announced the forecast for 2006:

- Sales: approximately 15% growth
- Gross operating income: to rise nearly 20%.
- Reported earnings: an over 20% increase.

issue that has had a significant impact on several areas, both corporate and in the media". The CEO, Rafael Montes, submitted the annual report to shareholders as well as the outlook for the current year.

He began his speech by thanking FCC's major shareholder, Esther Koplowitz, "not only for her trust, but also for her firm support for the management team and her constant concern for creating value for shareholders who have placed their confidence on the company, and for permanently promoting FCC's growth, which contributes to increasing direct jobs, with headcount currently at 73,000".

► Strategic Plan

After glossing over the company's figures in 2005, Rafael Montes described the main investments made in the year and the projects underway as part of the



FCC's Annual General Meeting

company's strategic plan, which has the following targets:

- Posting between 10 and 12 billion sales over the next three years.
 - Increasing the company's international presence, which would generate 35% to 40% of total consolidated sales.
 - Boosting gross operating income to 1.4 to 1.6 billion euros.
- The CEO also mentioned that, besides investments carried out, there were other operations that could bear fruit in the short-term. He said, "These investments will focus on companies specialising in our core activities. We will be guided by the principles of prudence that have always characterised our company and which have borne fruit over the company's 106-year history, but fuelled by a dynamic corporate approach that would enable us to reach the targets we set a year ago in our Strategic Plan".

DIVIDEND PAYMENT: AN 18.6% INCREASE

Last January, the Board of Directors agreed to a 0.766/share interim dividend. The Board announced that the company would pay a complementary dividend of 0.848/share, bringing the total dividend to 1.614 euro/share. This amount is 18.6% higher than the dividend paid in the previous year and represents a 50% payout.

▶ SALES VOLUMES OF 10 TO 12 billion euros over the next three years

▶ In-house changes

Rafael Montes said that the thorough transformation underway at FCC affected not only investment policy but also the internal changes that were taking place, which were essential to bring the company in alignment

with its new size. In this respect, he mentioned the Corporate Social Responsibility Report, the project aimed at improving administrative-financial information, and the new data processing centre.

▶ Human Resources

Within this context, Rafael Montes reported that at 31 December 2005, FCC's headcount stood at 67,562, with 3,960 new jobs added over the year. At 31 May, the company had 73,602 employees, with this figure expected to increase to 80,000 by the end of the year.

The CEO announced an initiative "enthusiastically supported by our major shareholder" to launch an ambitious program to create jobs at FCC for people with disabilities. This program was approved by the FCC Board of Directors and will be implemented immediately. ■



DRAFTED AND PROMOTED BY THE NEW DEPARTMENT UNDER THE GENERAL SECRETARIAT

FCC publishes its first Corporate Social

This year, the Annual Report presented to shareholders at the Annual General Meeting includes a long section on corporate social responsibility detailing the numerous environmental and social actions undertaken by the FCC Group and its different business areas in 2005. This is the first time that FCC publishes this type of report.

► Five chapters

The 90-page report was drafted in accordance with Global Reporting Initiative (GRI) standards. This carefully prepared section underscores FCC's concern and its involvement in developing an efficient model for sustainable development. The report is broken down into five chapters. The first of these reflects the company's service-

focused commitment to Spanish society over the past 100 years. The second and third chapters describe the Group's and its subsidiary's effective commitment to ensure a better world, such as its response to global warming, water shortage, waste treatment, or the protection of biodiversity. The fourth chapter focuses on the interest shown by FCC with respect to its thousands of employees and its concern for attracting and retaining the best talent, the security and safety of its workers, and the training offered for their career development. The last part of the report mentions FCC's interest in having a fluid relationship with its stakeholders and its involvement in social action and sponsorship of activities that benefit the community.





- ▶ **CREATED TO ENCOURAGE SOCIALLY responsible actions and good governance within the group**

SUSTAINABILITY REPORTS

In keeping with the Group's strategy fostering corporate responsibility, FCC Construction had previously published its 2004 Sustainability Report drafted in accordance with GRI standards. Cementos Portland Valderrivas has just published its first report and FCC Environment previously published a progress report on sustainability in 2004. The FCC Group and each of its business areas will define a corporate responsibility strategy as the linchpin of its socially responsible actions.



Responsibility Report

Several FCC division prepared the report under the coordination of the new Corporate Responsibility Department that reports to the General Secretariat and was created at the end of the year to promote socially responsible actions and good governance within the group. As part of this initiative, the FCC Corporate Social Responsibility Committee was created. This committee is presided by a secretary general and its members come from all the different business areas (cement, construction, services, and real estate) as well as corporate areas (corporate responsibility, internal audit, investors' relations, legal counsel, corporate image, human resources, and communication). ■

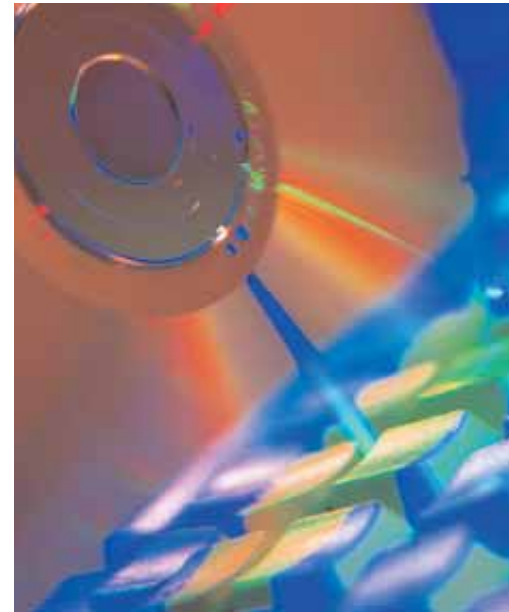


- ▶ **THE REPORT WAS PREPARED AND APPROVED** in accordance with Global Reporting Initiative international standards



Protection of personal data, one of FCC's top priorities

DEVELOPING AN AMBITIOUS PROJECT TO ADAPT 480 GROUP COMPANIES TO LEGAL REQUISITES

**F**

CC's Information Security and Risk Management

department is promoting a consulting project to enable group companies to comply with the Organic Law for the Protection of Personal Data (LOPD in Spanish). This project is in keeping with the FCC Security Director Plan, which aims to provide the Group with an instrument that will make it possible to ensure compliance with pertinent prevailing regulations. To achieve this, it was necessary to check all the files registered to date as well as review all the processes and measures applied with respect to these files.

► Standard treatment

The Group's strategy aims to maximise all the points in common to achieve the most standard treatment possible. Special treatment was designed for companies with specific peculiarities. This was possible thanks to a global vision acquired





► **THE NEW INSTRUMENT** enables the Group to ensure the compliance of regulations in force

through interviews with all the business areas to review problems related to the services provided by the central as well as regional and branch office network, and, in general, to all the companies that receive these services. Gianluca D'Antonio, FCC's Information Security and Risk Management manager said, "This project, in the context of the Strategic Plan for Information Security and Risk Management, has enabled us to regularise the situation in record time in accordance to the LOPD and to implement centralised control of procedures and files at different business lines nationwide. Furthermore, another great added value of the Personal Data Server that we have just implemented is that it is in alignment with the requisites of the Information Security Management System, one of the department's key objectives. This is just the start of a project to align all FCC Group European companies to E.U. regulations on

data protection and standardise all security related policies. The company has established contacts with the Spanish Data Protection Agency to submit its plan. Within the context of cooperation with this agency, the FCC Group will develop a self-regulatory code of conduct for the correct treatment of personal data. This project will make it possible to assess all the security policies in place throughout the group companies and update and standardise these policies. Communication channels and structures have been set up at all operating units in order to be able to successfully tackle different security related projects. Lastly, it is also worth mentioning that the new tool will considerably simplify mandatory data protection audits, reducing costs and facilitating management of any possible corrective measures that may result from the final audit reports. ■

SEMINAR ON THE DATA PROTECTION LAW

FCC's Data Security Department and Écija Consulting organized a training seminar on compliance with the Personal Data Protection Law on 8, 9, 12, 13, and 14 June.

Heads of security and Personal Data Server users were among the 140 people attending this seminar.

The objective was to provide training to those attending the seminar on the key concepts of the Organic Law for the Protection of Data and on how to use this new tool.

The FCC Group entrusted its LOPD-alignment plan to Écija Consulting, which, jointly with the heads of the Information Security and Risk Management department, were responsible for developing the project aimed at adapting FCC Group companies to the regulations on data protection as well as the implementation of the Personal Data Server to: Manage LOPD compliance at all Group companies.

Comply with the procedures required by data protection regulations in a standard fashion.

Integrate a tool aligned to the requirements of data security management system.



► **THE REGULARIZED SITUATION** and the control of procedures and files in all business areas have been aligned to LOPD requirements in record time.

Pamplona's City Council unveils new street-cleaning vehicles

On 7 June, Yolanda Barcina, the mayor of Pamplona, unveiled the city's new fleet of vehicles, machinery, and containers, worth an investment of 2.7 million euros that will be used to provide street-cleaning services in the capital of Navarre.

The fleet that FCC will use to provide services to the Town Council was exhibited during the entire morning in the more than 10,000m² Baluarte Plaza, with the top authorities, public entities, the media, and neighbours getting a first-hand look at this equipment. Several demonstrations were made during the day to show how the vehicles and machinery - that will be used to provide services to the 180,000 inhabitants of Pamplona - function. The new fleet comprises 35 vehicles, 32 container-carrying carts, including lightweight vehicles, different types of sidewalk and street sweepers, flushing equipment, vans used to remove graffiti, cisterns, and trunk trucks, plus other pieces of equipment. In addition to regular street sweeping and flushing services,



TWICE AS MANY SERVICES DURING SAN FERMÍN

The contract includes a special team for providing cleaning services during the San Fermín festival with extraordinary resources and materials. Services vary each year according to the new requirements in the city during this event. This year, FCC doubled its services, incorporating new work methods to improve the quality and increase the breadth of cleaning services to other districts in the city of Pamplona.



the other special services to be provided include cleaning of parameters, sidewalk and street flushing, cleaning of vertical surfaces, chewing gum removal, and the collection of dog litter. The new vehicles feature the latest in technology such as electric engines that significantly reduce noise pollution and GPS systems that make it possible to obtain information in real-time on the location, direction, and speed of the vehicles and reproduce the routes of each of these. The management and control system enables the computerised control of resource allocation. It also makes it possible to determine





MUNICIPAL CONTRACT UP TO 2012

Last September, the Pamplona City Council awarded FCC a street-cleaning contract expiring in 2012 that may be extended for another 3-year term. The total amount of this contract is more than 53.3 million euros..

FCC's proposal obtained the most points among the offers submitted by two other construction and service groups. FCC signed its first contract with the Pamplona City Council in December 1289. This original contract was for a 7-year term. In 1997, the company was awarded again a contract for street-cleaning services in the capital of Navarre.



optimal performance and frequency. The machinery will circulate through the streets of Pamplona bearing the sign "Pamplona is you", a slogan aimed at making all citizens involved in the task of keeping the city in clean conditions.

► Presence in Navarre

FCC also provides services in the

TOP, THE MAYOR OF Pamplona and street cleaning service staff during the presentation of the new machinery.

Navarre cities of Tudela, Noáin, Ansoáin, Estella, Sangüesa, Azagra, Falces, Marcilla, Peralta, Galar, Murchante, Cascante, Ablitas, Monteagudo, Barillas, Valtierra, Castejón, Arguedas, Fustiñana, Cabanillas, Fontellas, Ribaforada, and Buñuel.

In Navarre, services are provided to a population of 300,000 inhabitants. ■

PAMPLONA WINS THE PLATINUM BROOM, THE TOP PRIZE FOR CLEANLINESS

The Technical Association for Waste Management and Cleaning Services (ATEGRUS) gave the Platinum Broom Award to Pamplona as the cleanest city in Spain. This is the maximum recognition awarded to a city for its commitment to cleanliness and the efforts made to constantly enhance the city's quality and image.

The award ceremony took place on 15 June in the Madrid Trade Fair Grounds as part of the activities organized for the International Week of Urban Services and the Environment, the TEM-TECMA 2006 fair.

Yolanda Barcina, Pamplona's ma-



yor, accompanied by several representatives of the municipal groups, collected the prize.

The Platinum Broom award is not the first one that ATEGRUS has given this city, since to be able to receive this price, other previous ones must have been awarded.

In 2000, Pamplona won the Silver Broom in 2002 the Gold Broom, and in 2004, the city received a special mention. This prize represents a recognition of the investments made by the city's Town Council to maintain the city clean, as well as the plans and upgrades that the city has implemented.

Prizes for Spain's cleanest

SAN SEBASTIAN, OVIEDO, BILBAO, PAMPLONA, VALENCIA, BENIDORM, AND POZUELO DE ALARCÓN RECEIVE

On 15 June, the Technical Association for Waste Management and the Environment (ATEGRUS, Spanish abbreviation) handed the Silver, Gold, Special Mentions, and Platinum 2006 Broom awards. This contest is part of an ATEGRUS initiative aimed at supporting, rewarding, and disseminating information on waste management and urban cleaning, and of drafting projects and developing technologies for sustainable management of our environment.

The tenth edition of the Silver, Gold, Platinum Brooms and Special Mention contest was held during the TEM-TECMA International Urban Development and Environment organized by IFEMA

and held from the 13th to the 16th of June at the Juan Carlos I Trade Fair Grounds in Madrid.

Among the cities receiving the top prize, the Platinum Brooms, were Pamplona, San Sebastian, Oviedo, Bilbao, Valencia, Benidorm, Alicante, and Pozuelo de Alarcón (Madrid), cities where FCC provides street cleaning services.

PRIZES FOR CITIES WHERE FCC MANAGES STREET CLEANING SERVICES

Platinum Broom Award:

- San Sebastian.
- Oviedo.
- Bilbao.
- Valencia.
- Pamplona.
- Benidorm (Alicante).
- Pozuelo de Alarcón (Madrid).

Gold Broom Award:

- Llanera (Asturias).
- Llanes (Asturias).
- Navalcarnero (Madrid).
- Ribadesella (Asturias).
- Xátiva (Valencia).
- Collado Villalba (Madrid).
- Mérida (Badajoz).
- Ponferrada (León).
- Alicante.

Silver Broom Award:

- Alhama de Murcia (Murcia).
- Chipiona (Cádiz).
- Estella (Navarre).
- Finestrat (Alicante).
- Guía de Isora (Tenerife).
- Grado (Asturias).
- La Oliva (Fuerteventura).
- Pájara (Fuerteventura).
- El Poble Nou Benitatxell (Alicante).
- Salobreña (Granada).



JESÚS SEPÚLVEDA Recio, the mayor of Pozuelo de Alarcón (Madrid).



ALBERTO Rodríguez Bardón, councilman from the San Sebastián City



SILVER BROOM FOR PROACTIVA

Proactiva México, through Setasa, was also awarded a Silver Broom for its awareness-building campaigns on the environment. This initiative consisted of several visits to schoolchildren who received information on different types of waste, the waste-collection process, and final disposal of waste.

SPECIAL MENTION

SVAT, an FCC subsidiary, won a Special Mention for its contribution in urban street cleaning equipment, Cappellotto brand on a GNC chassis, which were delivered last year to Barcelona. This equipment, used to clean sewage networks, incorporate state-of-the-art technologies that make it possible to considerably reduce pollutant gas emissions, noise, and water consump-

cities

PLATINUM BROOM

- Santa Brígida (Gran Canaria).
- Urnieta (San Sebastián).
- Boadilla del Monte (Madrid).
- Fuengirola (Malaga).
- Villarrobledo (Albacete).
- Alcoy (Alicante).
- Avila.
- Gandía (Valencia).
- Rubí (Barcelona).
- Torrejón de Ardoz (Madrid).
- Valladolid.

The following cities received a Special Mention:

- Laredo (Cantabria).
- Calatayud (Zaragoza).
- Mancomunidad de RSU Ribera (Navarre).
- Castellón de la Plana (Castellón).
- Las Palmas de Gran Canaria.
- Vigo (Pontevedra).
- Consorcio Provincial RSU Granada. ■

10th Edition of the Silver, Gold, Special Mentions, and Platinum Broom 2006 Contest



JOSÉ LUIS SABAS Olabarria, Councilman from Bilbao's City Council.



MANUEL PÉREZ Fenoll, the mayor of Benidorm (Alicante).



Hall, Luis Enrique Montenegro, manager of the Guadalupe (Mexico) concession.



GABINO DE Lorenzo, the mayor of Oviedo.



Ignacio Cabanzón, SVAT Managing Director.

tion, incorporating additional features in comparison with conventional equipment.



YOLANDA Barcina, the mayor of Pamplona.

Cemusa signs contract with New

THE FCC SUBSIDIARY WILL CHANGE THE LOOK OF NYC STREETS

New York City Hall awarded Cemusa a firm contract for management of urban furniture in the city. The FCC subsidiary, which expects to obtain 1.6 billion revenues over the 20-year term of the contract, signed an agreement on 17 May with New York City's Department of Transportation (DOT) to install and exploit advertising in the city's urban furniture. The execution of this agreement concludes the legal process for the biggest urban furniture contract ever put out to tender in the world. The effective date for the start of services was last 26 June.

▶ 3,300 new bus-stop shelters

Cemusa will pay New York's City Hall nearly 800 million euros for the 20-year franchise.

The Cemusa contract was announced by the New York City Hall last 21 September in the

following press release: "The New York City Department of Transportation today announced that it would begin contract negotiations with Cemusa, an outdoor advertising/street furniture company. Under the franchise agreement Cemusa will be responsible for the installation, maintenance and operation of street furniture for 20 years and the company will pay the City over one billion dollars in exchange for the right to sell advertising space on the structures".

A no charge to the City, Cemusa will provide 3,300 new bus stop shelters, with an additional 200 for route expansions; 330 new newsstands, and up to 20 automatic public toilets. Cemusa's offer also includes the possibility of extending the range of products using the same design for trash bins, Internet information points, and



York City Hall



newspaper vending machines. The Spanish company, part of FCC Versia, the FCC Group service subsidiary, will install all the public toilet and newsstand elements within three years and the bus shelters over a five-year period. The subsidiary of the group controlled by Esther Koplowitz expects to create 100 new jobs in New York City and has committed to using local vendors for the fabrication and installation of the project, agreeing to the schedule of conditions: 50% in New York and 80% in other parts of the U.S. The franchise structures are designed by the world renowned architecture firm of Nicholas Grimshaw & Associates, which was actively involved in the project jointly with other world famous designers: Giorgetto Giugiaro,



CEMUSA WILL install all the public toilet and newsstand elements within three years and the bus shelters within a 5-year period. The furniture design will be exclusively for New York City. The furniture's functionality, transparency, and sleek lines were among the most appreciated aspects in the tender process, adapting to any of the five New York City boroughs.

Richard Rogers, Perry King y Santiago Miranda, and Patxi Mangado.

The new and distinctive design of the urban furniture will be exclusively for the New York City. The tender process considered the design's functionality, transparency, and sleek lines that will adapt to all of the city's five boroughs.

The leading companies in the sector worldwide participated in the tender, such as Viacom, Clear Channel, Van Wagner with Verizon, and JC Decaux with NBC-Universal.

This contract represents a great leap forward in the Spanish multinational's diversification in the U.S. market. Cemusa currently delivers a range of municipal services to: Miami (bus shelters and trash bins); San Antonio (bus shelters, trash bins, bicycle parking grids); and Boston (bus shelters); and in 110 other cities in Europe and North and South America. ■

► **THE CONTRACT WILL GIVE Cemusa a huge boost, doubling its current size**

Aqualia uses an innovative pipe-replacement system in Oviedo

The city of Oviedo, through Aqualia, the company that has the water supply and sanitation concession in this city, is carrying out several projects to upgrade the city's sewage network. To execute this project, Aqualia is using an innovative system offering several advantages with respect to the traditional method since it does not require ditches, placement of pipes, or the need to replace the pavement. This technique reduces impact on traffic and inconvenience to pedestrians and does not affect other channels or adjacent services.

The project involved waterproofing of a 90m-long and 700 mm-diameter pipe. Work was carried out from within the pipe, which was covered by fiberglass, polyester, and polyethylene. A drilling robot was used

subsequently for the definitive connection of the sewage pipes with the outlets in the buildings. The cost involved in this project was approximately 70% less than the costs involved in projects using conventional methods. ■



FCC will manage regulated parking in Gijón for an additional 15 years

The city of Gijón extends the contract, currently held by Empresa Mixta de Tráfico de Gijón, S.A., (FCC, 60%), for regulated street parking, vehicle towing and depot services for an additional fifteen years. Business volume for the concessionary is 44 million euros.

The company will finish replacing the old parking meters, will provide controllers with new PDA-type centrally connected equipment, upgrade IT systems, and replace horizontal and vertical signs. The vehicles providing towing services will also be replaced and the facilities used as a vehicle depot will be revamped and enlarged. ■

Santander Water Forum

Aqualia, the company holding the water management concession in Santander, was one of the sponsors of the Second City of Santander Forum held from 20 to 22 June in the Exhibit and Convention Palace in the capital city. The event was organized by the University of Cantabria and Harvard University under the theme: "Quality of Life, water, and the environment".

Besides lending its support to the forum, Aqualia also participated in some of the sessions, giving a conference on "The participation

of private operators of water management public services in the development of environmental management in urban areas".

In its second edition, the Forum was divided according to initiatives.

In the first one, involving several conferences on "Cities: quality of life, water, and the environment" the participants included the Councilman for the Environment of Santander, Íñigo de la Serna, the Director General for Coasts, José Fernández, university professors, and Aqualia.



The second initiative consisted of a large project entitled "Cities: 10 ways of projecting the city". The professional category and experience of the faculty and speakers and the new conceptual visions and practical cases contributed to the exceptional quality of this event. ■

New stretch of the Camino highway opens to traffic

On 9 June, the secretary of Public Works, Transport, and Communications of the Navarre Government, Álvaro Miranda Simavilla, inaugurated the new 7.8 km long underpass of the Camino Highway between the Urbiola-Villamayor de Monjardín intersection and the start of Los



24.2 KM LONG

The budget for the fourth stretch of the Pamplona-Logroño highway is 66.53 million euros. Stretching over 24.2 km, the road runs parallel to the N-111 between the towns of Villatuerta and Los Arcos. The first 11 kilometers are the enlargement of the former N-111. It consists of seven intersections and 33 structures were built.

► **ONE OF THE FIVE** sections comprising the project



Arcos road.

The route consists of five stretches making up the Camino Motorway project.

The trunk section consists of two seven-meter wide lanes with two 3.5-meter wide one-way lanes. 2.5-meter external shoulders, and one-meter wide interior shoulders. The median in the area where the road forks out increases from 1 to 5 meters, the size at the remainder of the stretch.

The open stretch has two junctions, one overpass and seven underpasses. The budget for this project was 22 million euros.

TECHNICAL TEAM

MANAGER:

Ignacio Poyales

HEAD OF PROJECT:

Ángel Lanusse

PRODUCTION MANAGERS:

Ignacio Hernández/
Luis Matallana/Óscar Ramos

Opening this new stretch means that 52 of the 70 kilometers of the A-12 are open to traffic, that is, more than half of the motorway connecting Pamplona and Logroño. ■



STRETCHES OPEN TO TRAFFIC

- 30 kilometers between Zizur and Estella.
- The Perdón tunnels.
- The Puente La Reina road.
- 4.5 kilometers corresponding to the enlargement of the Estella road between the Villatuerta and San Adrián intersections.
- The 7.8 km-long road from Urbiola to the start of the Los Arcos road.



FCC to extend line 2 of the metro in Athens, Greece

FCC Construcción, in a joint venture with J&P AVAX, Greece's second-largest construction company, has been awarded the contract to extend Line 2 of Athens Metro. The contract is worth 94,509,800 euro and construction will take 32.5 months.

The line extension, in north-west Athens, is 1,380 metres long and will run from Agios Antonios to Anthoupoli, including the Peristeri and Anthoupoli stations, which will be built by the cut and cover method.

A 300-metre section of tunnel will be dug using the New Austrian



IGOUMENITSA HARBOUR

FCC has built the new Igoumenitsa Harbour in Greece, a project consisting of a 770-metre long dock for ferry moorings at 350 metres south of the existing harbour.

The harbour is divided into five zones and has two ramps with capacity for simultaneous mooring.

► **THE BUDGET FOR THIS PROJECT**, to be built in 32.5 months, is 94.5 million euros



Tunnelling Method and two ventilation shafts will be sunk and connected to the tunnel via a gallery.

Peristeri station, 112 metres long and 24 metres below ground, will have three levels: ticket booths, turnstiles and platforms. Above ground, there will be two entrances on either side of the avenue.

Anthoupoli station, 147 metres long and 20 metres below

ground, will consist of two levels: ticket booths and turnstiles on one level and platforms on the other.

The contract also includes the superstructure, 1,390 metres of double slab track, and refurbishment of the existing track at Agios Antonios station, plus electrical engineering, fire detection and control systems, ventilation, elevators, escalators, etc. ■

FCC to build a large overpass in Bucharest



30 KM ROAD

In northern Romania, FCC is also renewing 30 kilometres of the DN 1C road between Cluj and Livada, under a contract worth 25.3 million euros.

The aim of the project is to revamp the road, expanding it to a width of 9 metres in urban areas and from 7 to 12 metres in interurban sections as well as making minor improvements along the route, expanding structures and strengthening the surface. The project will use 175,000 tonnes of asphalt mix.

The city government of Bucharest (Romania) has awarded FCC, in consortium with Italian company ASTALDI, a 135 million euro contract to build the Basarab overpass, in the northwest of the city. Measuring 1,900 metres in length, including the access ramps, the viaduct will link Titulescu Boulevard with Grozavesti Street, crossing the river Dambovita and the railway lines leading into the Gara de Nord railway station. It will also link with the Metro network at Basarab station.

In addition to the proposed solution, the consortium presented two alternative solutions that obtained the maximum technical points because of aesthetic and structural optimisation of the overpass.

The overpass will have two lanes each way for vehicles, two tram track lines, and a tram station. From the tram station, pedestrians will be able to access the street, the Metro station and the railway station. Access to the overpass will



be via ramps at both ends and at intermediate junctions. Most of the slabs used in the structure will be made of concrete, ranging from 25.50 to 42.50 metres wide, spans will range from 30 to 42 metres, and the piers will be under 10 metres high, supported by pilings to a depth of 20 metres. The Dambovita river will be crossed with a single-span 110 metre metallic stayed bridge; there will be a section of mixed deck measuring 181 metres in three spans (53+75+53 metres) also built on pilings, which will bear the tram station and the outer

MEASURING 1,900 metres in length, the viaduct will link Titulescu Boulevard with Grozavesti Street and the underground network at the Basarab station.

roadways on both sides; the new tram station will have a semi-cylindrical tubular metallic roof with outer panels in aluminium and glass, and it will have full lighting, climate control, telecommunications and other facilities, as well as escalators and elevators for access to the other means of transport. ■

► **THE SINGLE-SPAN 110-METRE METALLIC stayed bridge over the Dambovita River is one of the project's most unique elements**



Innovation at FCC Construcción

FCC Construcción is highly interested in all innovation related aspects. Innovation, a long-standing practice, and the R+D+i activities promoted by the company over the years have contributed to creating a highly competitive proprietary technology. Both of these actions clearly reflect management's firm commitment to the application of technologies and greater efficiency.

The company is actively involved in several projects, in which, in certain cases, the activities are carried out alone although in many cases this activity is enriched by the participation of other organizations from the business and academic world.

► In-house projects

FCC carries out in-house R+D+i activities on an ongoing basis as the normal outcome of project development and execution. Among these, the following are worth mentioning:

- Development of slabs for bridges with prefabricated sections.

SOME OF FCC'S PATENTS

- Caissons with low-reflection elements for wharfs and dykes..
- BBR. Pre-stressed system also used in special tasks for pushing bridges and raising heavy loads.
- Floor-cement pre-fissurer.

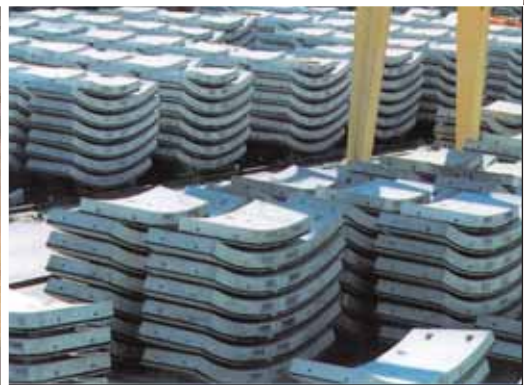
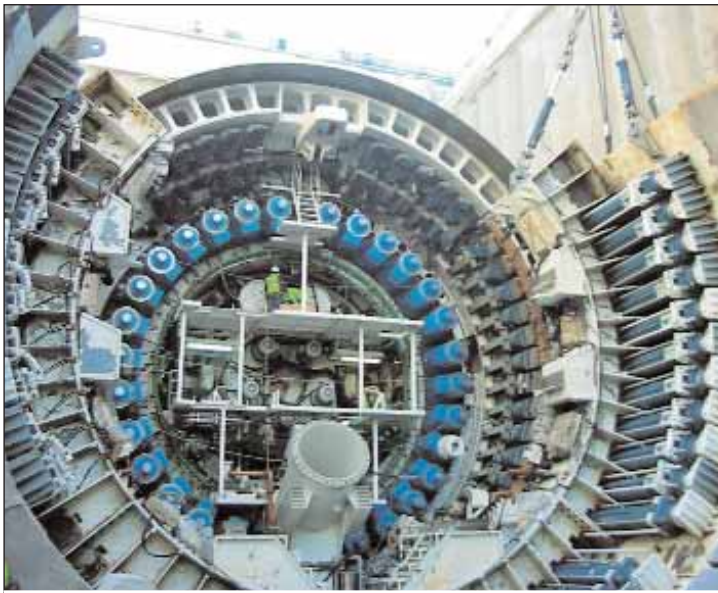
- Development of slabs for overpasses with self-supporting flamework.
- Replacement of gravel with slag from electric iron and steel furnaces.
- Innovative use of new types of joints for the Parla Streetcar.
- Study on concrete pumping from great heights.
- Development of an integrated system for neutralising pH from effluents with CO2 in underground projects.

► National projects

FCC is working on other projects under different forms of public-private funding at the national levels. Some of these projects include:

- Hatcons. Research and development on highly pliable





concrete, with and without fibre, for underground projects, and backfill mortars for sections, as well as the analysis of the impact of tunnelling machines on placed rings.

- Shotec. Automation of gunite application and improvement of blends for gunited concrete.
- Arfrisol. Adaptation of bioclimatic architecture in administrative buildings as well as the use of solar energy for air-conditioning purposes.
- The use of concrete with fibres in sections.

► International projects

FCC Construcción is currently working in two major construction projects approved by the European Commission in the context of the Sixth Framework Program in which it is an active member and is the leader in some of these projects.

- Tunconstruct. Optimisation of underground construction,

considering the entire life cycle (design, construction, and operations).

- ManuBuild. Industrialised, prefabricated construction

systems and mobile factories for on-site production of components and with the involvement of future users in the entire process.■

INVOLVEMENT IN GENERAL R+D+i ACTIVITIES

FCC Construcción is actively involved in several European and national projects.

- Encord. A group of major European construction companies dedicated to analysing the R+D+i situation in the European sector, with the objective of ensuring that the construction sector obtains adequate funding for R+D+i activities.
- European Technological Platform for Construction. An initiative with 600 participating organizations. FCC Construcción is a member of this platform's Board of Directors.
- National Technological Construction Platform. An initiative with over 150 participating organizations, consisting of the most active companies in construction innovation, including large, medium, and large companies, universities, public and private research centres, professional associations. The Central State Administration and the different Autonomous Regions are permanent invited members.

The objective of both platforms is to define the 2030 Vision and the Strategic Research Agenda for the Sector and to develop macro-projects with public-private funding.

Rodríguez Ibarra inaugurates the Miajadas-Vegas Altas highway in Extremadura

Juan Carlos Rodríguez Ibarra, the president of the Junta de Extremadura, inaugurated the new motorway connecting Miajadas (Cáceres) and Vegas Altas (Badajoz). Investment in this project totalled 113 million euros. The delegate from the regional government, Carmen Pereira, the secretary of Infrastructures and Technological Development, Luis Millán Vázquez de Miguel, the president of the provincial Cáceres council Juan Andrés Tovar Mena, and from Badajoz, Juan María Vázquez, as well as the mayors of Miajadas, Don Benito, and Villanueva de la Serena were present at this event.

The motorway, through which 4,500 vehicles will travel per day, was opened 12 months ahead of schedule. It took 40 months to complete the project instead of the 52 months initially contemplated in the contract. The new motorway starts in Miajadas, at the intersection of the A-5 with the EX-206. Stretching over 24.1 kilometres, it has six intersections and two new accesses to the towns of Don Benito and Villanueva de la Serena. The trunk section comprises an 8-



THE INTERSECTION IS 24.1-km long. The project included the construction of 15 underpasses, 16 overpasses, and two viaducts over the Guadiana and Ruedas rivers.

metre wide median, two seven-metre wide carriageways with two 3-5 metre wide lanes in each direction, 2.5-metre wide exterior shoulders and one-metre wide interior shoulders. The road is built for traffic at 120 km/h, the minimum radius is 807m and the maximum slope 2.3%. Thirty-three structures consisting

of 15 underpasses, 16 overpasses, and two viaducts over the Ruedas and Guadiana rivers, 167 and 604-metres long, respectively, were built.

Some of the corrective measures to minimise environmental impact included the replacement of affected cattle crossings, coverage of banks with soil, and the planting of numerous types bushes and trees. ■



SEVEN INTERSECTIONS

- A-5 intersection
- Miajadas intersection
- Vivares intersection
- N-430 intersection
- Don Benito intersection
- Villanueva de la Serena intersection
- Connecting intersection with the EX-206.

TECHNICAL TEAM

DEPARTMENT MANAGER:

José Javier Martín de Saavedra

HEAD OF PROJECT:

Miguel Ángel Hernández

HEADS OF PRODUCTION:

Teodoro del Barco/ Víctor Oricheta/

Alfredo Carreira

TECHNICAL OFFICE:

Rafael del Viejo/José Carlos Navarro



The headquarters extension for the Murcia Agriculture Department opens

The president of the Murcia Regional Government, Ramón Luis Valcárcel, inaugurated the enlargement building of the Department of Agriculture headquarters. The FCC-built project was promoted by the Economy and Treasury Department through the Dirección General de Patrimonio. Situated in the central Juan XIII Plaza in Murcia, the building has 7,789 m² of floor space. It has eight floors that will be used for administrative functions, previously carried out at different buildings, and two underground levels for parking and archives. The ground floor is slightly above street level with access to this level through a ramp connecting to the main entrance, thereby facilitating access to the reception and information area. The boardroom and an



THE ENLARGEMENT of the building increases the size for public services, offers transparency in administrative areas, and improves accessibility and security.

auditorium, featuring modern audiovisual technology, are located on this floor.

The new building is connected to the old modules by means of walkways between the floors, closed at both sides with curtain walls.

The façade is covered with aluminium panels and volumes of concrete surrounding the large windows with horizontal slats to filter the sunlight.

The top floor houses management offices and those of the representative and secretary general. For functional reasons, other services are housed in descending order. The other floors are divided into three areas – washrooms, elevators, and offices, joined by hallways with beechwood panelling.

The building features the normal equipment for office buildings, with voice and data, security, fire control installations and centralised management of air-conditioning, all of which may be adapted to future requirements according to the evolution of information technologies. ■

▶ **ALL ADMINISTRATIVE** services revamped and grouped together

Guadalajara will have a new technologies centre

On 3 May, the first stone was laid for the construction of

a new centre for new technology companies, promoted by the Castile-La Mancha regional government. As the most modern centre in the region, the building will feature all the necessary technologies and installations to promote corporate projects.

With a 5.5 million euro budget and 12 months for its execution, the singular building will have 6,500 m² of floor space and will be in operations in approximately one year.

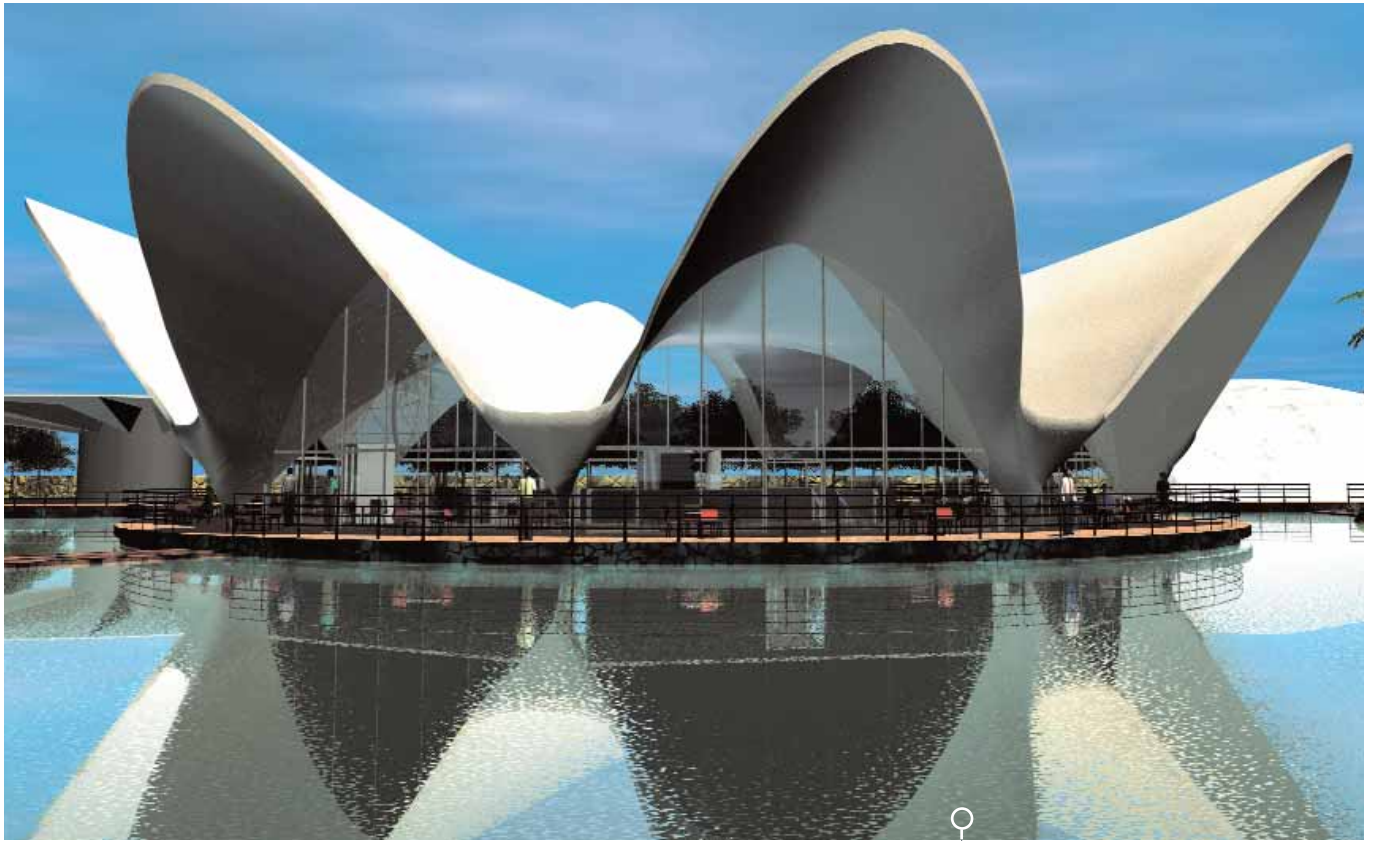
The Secretary of Industry and Technology of the Castile-La Mancha regional government, José Manuel Díaz-Salazar, and Jesús Alique, the mayor of Guadalajara were among those attending the event.

The building will have a basement, an area for common services, plus three office floors for newly created companies.

The centre and its installations will be made available to young people at a symbolic price to enable them to undertake corporate projects during a four-year period. ■

▶ **THE BUILDING** will have 6,500 m² of floor space

FCC Construcción publishes its fourth



The FCC Group construction subsidiary published its 2005 Environment Report describing all the actions undertaken by the company with regards to its environmental responsibilities in areas surrounding construction sites.

The objective is to provide information on the development and ecological impact of its activities to stakeholders. This is the company's fourth environment report and highlights the importance of the environment as one of the key factors at FCC Construcción. FCC Construcción published its first Environment Report in 2002, a novelty in the construction sector and, since then, has been publishing this report every two years. FCC also published a sustainability report in accordance to GRI standards. The purpose of the document, reflecting the FCC Construcción's

key environmental aggregates, is to inform the public of the results of the company's efforts to learn about and diminish the impact on the environment and the consequences that its actions have on all its surroundings (social, environmental, economic, and technological).

► **New implementation**

For the first time, the new Environment Report was prepared using a new specific software application for collecting environmental data at all FCC Construction projects. This enables the company to have complete and reliable

► **FCC CONSTRUCCIÓN** published its first Environment Report in 2000, being a pioneer in the construction sector

FCC CONSTRUCCIÓN is immersed in a process where sustainability is an essential aspect in all its activities. Its environmental management is achieved by previously identifying the environment related aspects that are most frequently present at its project.

information within a shorter time period.

As part of the dynamics to improve environmental performance through the implementation of good practices, FCC has made efforts to achieve higher levels than those that are legally mandatory or binding due to external commitments. These efforts underpin FCC Construcción's environmental activity. It means contributing to increasing the welfare and benefiting all stakeholders and the surroundings.

Environmental management is applied at all projects in which FCC Construcción is involved as well as at the company centers where activities could have an impact on the environment. It encompasses all organizational and hierarchical levels and is fully integrated in the company's management system. ■

Environment Report

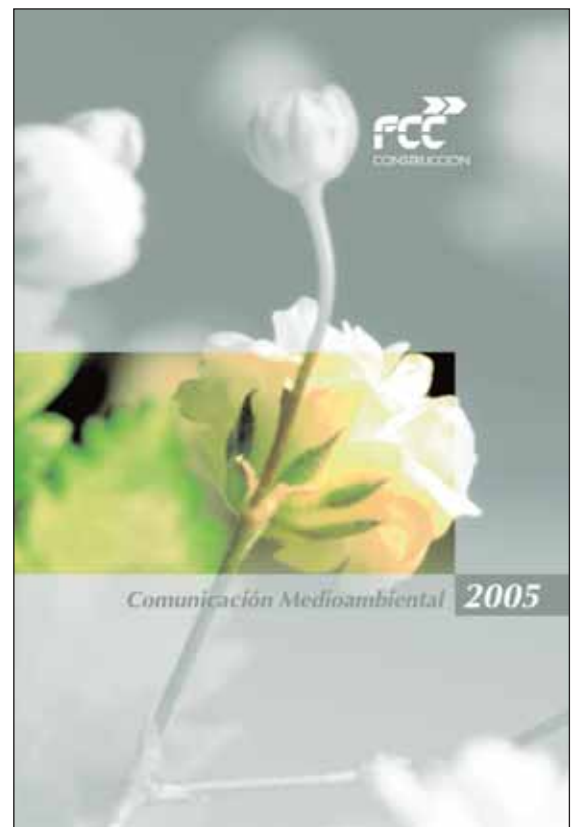


GOOD PRACTICES ADOPTED BY FCC

- In 96% of the projects, over 60% of subcontractors have attended environmental discussion groups.
- In 96% of the projects, the areas affected by project installations have been restored.
- In 96% of the projects, over 60% of FCC's production employees have received supplementary environmental training.
- In 86% of the projects, access areas are restricted.
- In 85% of the projects, inert waste was 15% less than the volume initially estimated in the project.
- In 85% of the projects, the area occupied by the project is limited.
- In 72% of the projects, inert waste is classified into three or more categories for their individualized handling.
- In 79% of the projects, means are used to prevent dirtiness at the entry or exit of the project.
- In 89% of the projects, hosing frequently or sporadically with water from trucks or deposits reduces dust.

IV SEMINAR ON IMPLEMENTATION CASES

On 26 April, the Spanish Global Compact Association (ASEPAN) held the fourth Seminar on Implementation Cases of the Ten Global Compact Principles. The objective of these seminars, organized since 2003, is to have companies share experiences and good practices in the implementation of the ten Compact Principles so that these may serve as an example to other companies immersed in the same process. During this fourth seminar, Enrique Carrasco, the Quality and Training Management, on behalf of FCC Construcción presented the "Innovation in Environmental Management" case. In his presentation, he referred to the need to increase and improve the Environmental Management Systems in the sector, considering each project as a "unique" element requiring "unique" environmental solutions. He also stressed the need for systematizing the best possible practices, in line with the specific characteristics of each project and its surroundings.





The President of the Generalitat Valenciana inaugurates the Paterna wastewater treatment plant

Coinciding with the World Water Day on 22 March, the President of the Generalitat, Francisco Camps Ortiz, the secretary for Infrastructures and Transport, José Ramón García Antón, and the mayor of Paterna, Francisco Borruey, inaugurated a wastewater treatment plant. The plant will be used to treat wastewater from the towns of Paterna, La Cañada, and San Antonio de Bemagéber, as well as wastewater produced at Fuente del Jarro industrial park. The new Paterna-Fuente del Jarro wastewater treatment plant replaces the current one and will be built without causing any operational interruptions at the former plant, which opened in 1972 and was designed to treat a flow volume of 4,500m³/day. The plant will be able to treat 18,000 m³ per day of industrial wastewater and 14,000 m³ of urban wastewater. Construction of the plant differs for each type of volume of flow, with peak capacity in the pre-treatment phase for 1,500 m³/h of industrial

TECHNICAL TEAM

DEPARTMENT MANAGER:

Guillermo Castaño Linares

HEAD OF PROJECT:

Enrique Bernabeu Feliú

HEAD OF PRODUCTION:

Armando Lázaro González

SUPERVISOR:

Tomás Aceta Bonillo

wastewater and 3,000 m³/h of urban wastewater, and 1,580 m³/h for each primary treatment line. The two flow volumes come together at the biological and secondary treatment phase, which consists of three parallel lines with peak capacity of 736 m³/h per line. Sludge is pumped to the sludge-treatment line and, once it thickens, is sent to digesters and later centrifugally dehydrated. Primary industrial sludge is treated separately from other types of sludge. A tertiary treatment was designed for improving the quality of outflow that can be used later for all types of irrigation. ■

FCC to build the

The company Expoagua 2008 awarded FCC a contract for building the first phase of the dam over the Ebro River to raise the sheet of water at the Expo area to enable the transit of tourist vessels.

► Construction technique

Juan Alberto Belloch, the mayor of Zaragoza said that FCC "was selected because of the construction technique that it proposed since it will begin work from the centre and from the river banks in two phases, a method that experts considered more suitable than starting from only one of the banks".

The project, to be completed in approximately seven months, will stabilise four kilometres of the



first phase of the Ebro dam in Zaragoza



river between Vadorrey and Ranillas.

Four concrete slabs will be placed at a depth of 26 metres to support the dam. This will create a stable sheet of water that will enable river transport along the Ebro and will make it navigable throughout the year. ■

The city will have the largest aquarium in Europe

FCC was also selected to build the 8,000-metre square river aquarium in Zaragoza, which will be the largest in Europe.

The structure of the building consists of an enormous central fish tank simulating a 40-metre long and 9-metre high river.

Quadrangular 10-metre high structures at both sides, divided horizontally into two spaces, will be built along both sides of the tank. The access area will house the hall, offices, and general services. The aquarium will be at the other side, with space for 100 fish tanks where 300 fish species from around the world will live. The roof will have a cafeteria and a large outdoor terrace that will be flooded with a 35-cm deep sheet of water at the edge of the building, creating cascades falling 14 metres over another tank on



the ground floor. White glass, fired clay, prefabricated concrete and several other materials will be used to build the façade of the building, giving it a very special personality. The project includes sanitation, plumbing, air-conditioning, electricity, fire prevention

equipment, gas, security installation, access control, voice and data, information subsystems, and exterior projections. The centre will also feature different types of furnishings, teaching material, divers, information panels, and DVD films depicting the construction of the building. ■



FELIPE GARCÍA, FCC GROUP'S GENERAL secretary, collected the prize awarded by the ESIC business school.

FCC wins Áster Award for Corporate Trajectory

The ESIC business school gave FCC the Áster Award for Corporate Trajectory in an event organized at Madrid's Municipal Convention Centre on 30 May. Felipe García, the group's general secretary collected the prize.

The prizes for the twenty-fourth edition of the Áster Award were divided into five categories: the best Corporate Trajectory, Professional Career, Communication, Research, and the Best Entrepreneur. The award ceremony coincided with the university graduation of four hundred students of the Business School and before an audience of nearly 2,000 people.

The first award of the current edition was granted to FCC for its corporate trajectory in mid-May with the unanimous vote of a panel of judges made up of well-known university, corporate, and political figures.

The prize for the best professional career was awarded to Honorato López Isla, the vice-president of Unión Fenosa. ■

A group of senators visit the Portland Valderrivas cement factory in Morata de Tajuña (Madrid)

On 28 June, Cementos Portland Valderrivas hosted a group of senators from the Permanent Commission on the Environment, Industry, Tourism, and Trade who visited the cement factory in Morata de Tajuña, Madrid. Invited by the Spanish Association of Cement Manufacturers of (OFICEMEN), this was the first time that the senators had ever visited these facilities. During their stay, they visited the El Porcal lakes, the 459-hectare gravel quarry operated by Portland Valderrivas, which has received several awards for its efforts in regenerating the zone, making this one of the richest wetlands in the Madrid Autonomous Region. The senators then visited the cement factory that supplies over 50% of cement consumed in the Madrid Community



IN THE CENTRE, José Ignacio Martínez-Ynzenga, president of Cementos Portland Valderrivas, with the senators visiting the factory.

and considered one of the most modern in Europe, with 3.1 million tonne annual production capacity. José Ignacio Martínez-Ynzenga, the president of Cementos Portland Valderrivas, and Ignacio Madrideo, the chairman of OFICEMEN, informed the senators of the

problems affecting the cement sector and its commitment to the environment; the possibilities the industry offers with respect to waste recycling; and the impact of the Kyoto Protocol on the Spanish cement sector and its concerns with respect to the 2nd National Allocation Plan. ■