

# Sustainability Report

2012 UPDATE\*

# 2011 2012

\* FCC Construcción's Sustainability Report is released every two years and is published in even years. This document summarizes the most important information from the 2011-2012 Sustainability Report and includes updates of the main indicators from the previous financial year.

Despeñaperros Bypass, Spain

We have focussed on **the most strategically vital markets**

All international projects have been integrated to our **Best Practices System®**

We have extended our **Equality Plan** to our affiliates

 **Construcción**



## Business and economic context

- Turnover shrank by 8%
- Local activity in Spain has decreased by 16% in 2012

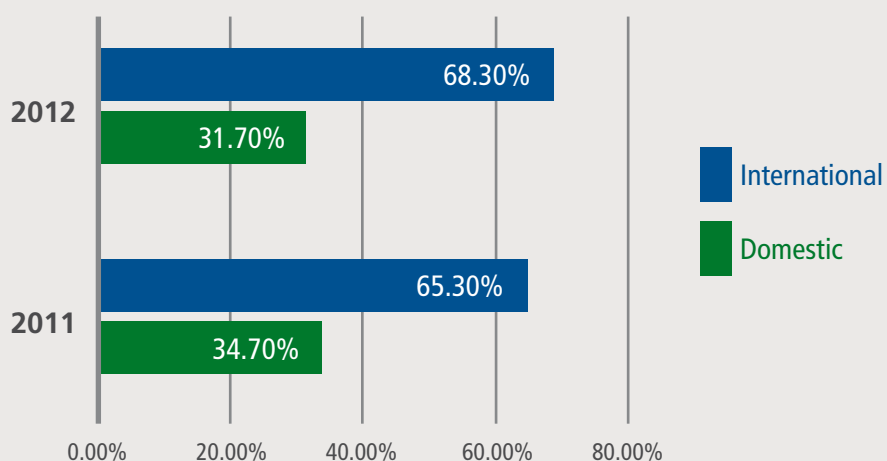
- In 2012, 68.3% of revenue came from overseas

### FCC CONSTRUCCION IN FIGURES

Main financial figures  
(millions of euro)

RESULTS	2012	2011
Turnover	6,148	6,686
• Domestic	1,949	2,320
• International	4,199	4,366
Contracting	4,212	6,346
Portfolio	8,595	9,518

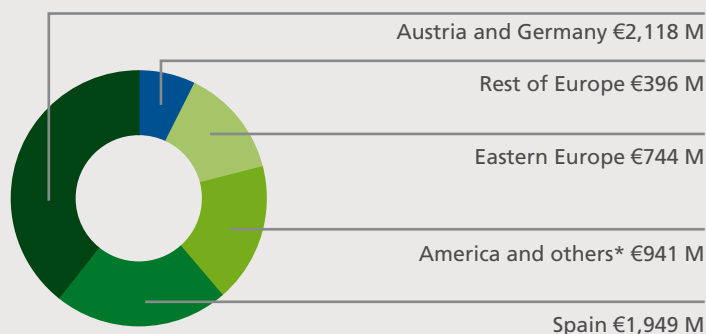
Breakdown of Turnover  
by geographical area



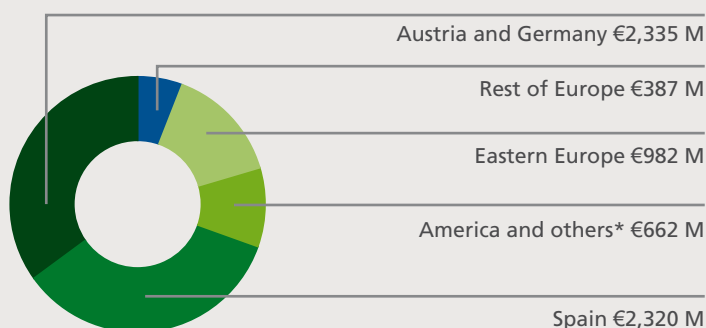
Vidin-Calafat Bridge. Bulgaria

## Breakdown of turnover by geographical regions

**2012** Total €6,148 M



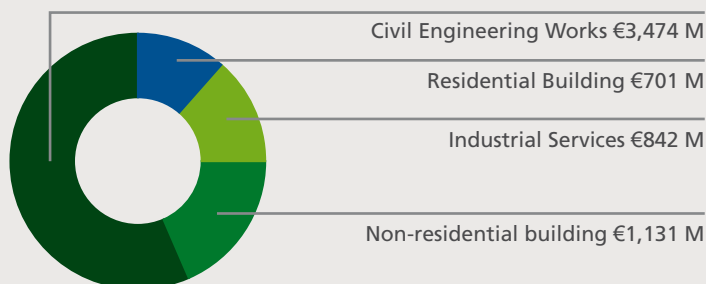
**2011** Total €6,686 M



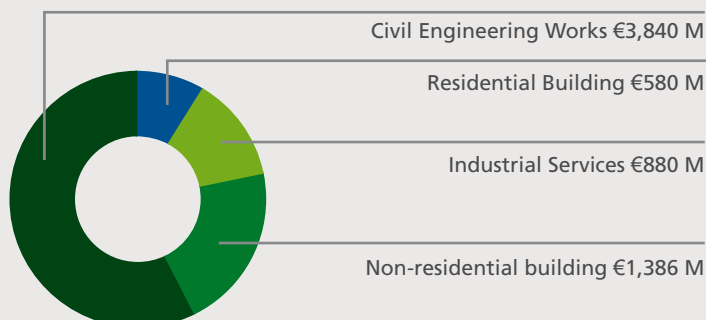
\* Others: Asia, The Middle East, North Africa

## Breakdown of turnover by activity

**2012** Total €6,148 M



**2011** Total €6,686 M



San Marcos Viaduct. Mexico

## 2012 MILESTONES

- ▶ We have won emblematic contracts such as the design and construction of the New Gerald Desmond Bridge in California for €485.7 M
- ▶ In 2012, we began our activity in Brazil, after having been awarded with the contract for the large-scale infrastructure project in Açu Port with a budget of €407 M
- ▶ We have increased our market share by 42% in the American continent.
- ▶ In 2012, the Vidin-Calafat Bridge over the Danube has come into operation, linking Bulgaria with Rumania as part of the Pan-European Corridor.

## FUTURE CHALLENGES

- ▶ Focus our international operations in Latin America, the Middle East, North Africa and Central Europe
- ▶ Strengthen our Core Business
- ▶ Restructure our capacity and resources and adapt to the current juncture

- ▶ Important increase in our industrial activity in Latin America

# Our professionals

## 2012 MILESTONES

- We have signed an agreement with the University of Cantabria for accreditation of the "Master's in Construction Sciences" which is taught by company professionals
- In 2012, we extended the range of languages on offer to include Arabic and German, in line with the internationalization strategy of the company

## FUTURE CHALLENGES

- Reach agreements with state-funded universities for the accreditation of FCC's internal training courses
- Continue investing in efficient and high-quality training



- More than 60% of our professional staff attended courses in 2012
- More training hours in 2012
- In 2012 we strengthened our e-learning training, as well as tailor-made training courses given by professionals of our company

## HUMAN RESOURCES

### Distribution of the employees by geographical region

	2012	2011
<b>Domestic (Spain)</b>	6,330	7,373
<b>International</b>	20,900	21,260
• Rest of the European Union	13,741	14,218
• America (Latin America and US)	3,765	3,668
• Rest of the World*	3,394	3,374
<b>TOTAL</b>	<b>27,230</b>	<b>28,633</b>

\* Rest of the World: Asia, The Middle East, North Africa

### Distribution of the employees by gender and occupational category

	2012	2011
<b>Category 1</b>	1,950 (17.5% female)	2,094 (17.1% female)
<b>Category 2</b>	4,844 (14.9% female)	4,839 (15.7% female)
<b>Category 3</b>	3,620 (48.7% female)	3,658 (48.9% female)
<b>Category 4</b>	16,816 (3.0% female)	18,043 (3.1% female)
<b>TOTAL EMPLOYEES</b>	<b>27,230 (12.2% female)</b>	<b>28,634 (12.1% female)</b>

### Personnel expense (millions of euro)

	2012	2011
	1,378	1,393

## TRAINING

### Training hours by occupational category

	2012
<b>Category 1</b>	2,617
<b>Category 2</b>	162,769
<b>Category 3</b>	10,461
<b>Category 4</b>	1,979
<b>Total</b>	<b>177,827</b>

Hours of training - totals	
2012	2011
<b>177,827</b>	<b>148,474</b>

### Training hours and expenses

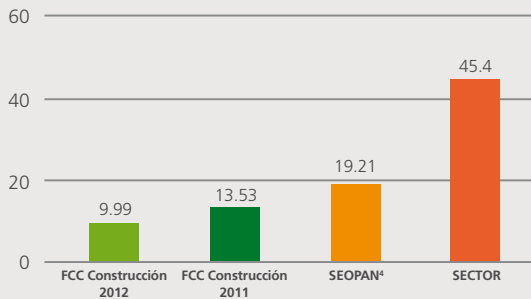
	Hours		Expenses (euro)	
	2012	2011	2012	2011
<b>Environment</b>	1,926	3,028	29,808	68,387
<b>Quality</b>	466	375	21,129	25,109
<b>Occupational Health and Safety</b>	20,966	26,833	372,944	572,440
<b>Miscellaneous</b>	154,469	118,238	1,181,585	3,120,287
<b>Total</b>	<b>177,827</b>	<b>148,474</b>	<b>2,235,466</b>	<b>3,786,223</b>



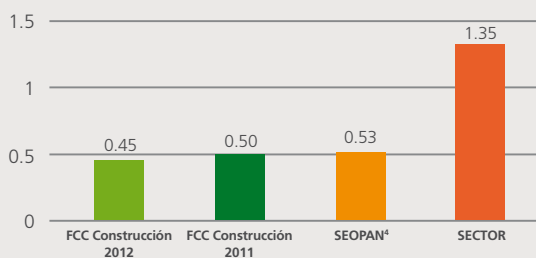
## HEALTH AND SAFETY

In FCC Construcción the safety of our professionals is vital and indispensable, and so we work constantly on prevention and continuous improvement for further improvement of our Risk Prevention indexes in comparison with the construction sector and with our competitors.

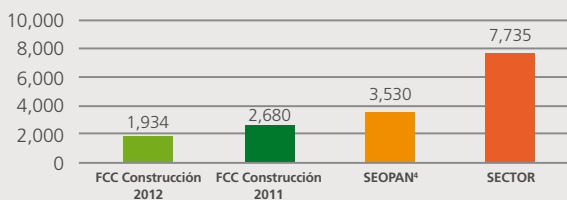
### Frequency index<sup>1</sup>



### Seriousness index<sup>2</sup>



### Incident index<sup>3</sup>



<sup>1</sup> Frequency index = no. of accidents involving sick leave for every 1,000,000 hours worked

<sup>2</sup> Seriousness index = no. of working days lost due sick leave accidents registered for every 1,000 hours worked

<sup>3</sup> Incident index=no. of accidents with sick leave x 100,000/average no. of employees

<sup>4</sup> Spanish National Association of Construction Companies



## 2012 MILESTONES

- In 2012 we took part in the Commission for Occupational Health and Safety and Social Security of SEOPAN and in the Presidency of the Commission on Safety of the European Construction Federation
- We worked jointly with the National Construction Federation and the Regional Institute for Health and Safety in the Workplace

## FUTURE CHALLENGES

- Implement and develop the Risk Prevention Management System and obtain OSHAS certification at international level

- We continue to improve our Risk Prevention indexes against the construction sector average



# Keeping social commitment

- We have rationalized our investment in sponsorships

## 2012 MILESTONES

- We were the first Spanish construction company to sign a framework agreement with the International Union Federation
- Equal Opportunities continue to be a cornerstone of our corporate culture. In 2012, FCC Industrial signed its Equality Plan, which will remain in effect until 2016
- We were awarded the highest rating: "Advanced Level" for our Communication on Progress, which describes FCC Construcción's performance in fulfilling and defending the 10 Principles of UN Global Compact
- We have been involved in the drafting of the new version of ENCORD's Construction CO<sub>2</sub> Measurement Protocol, a pioneering document that has obtained the logo "Built on GHG" of Greenhouse Gas Protocol

## FUTURE CHALLENGES

- Develop a catalogue of sustainable social practices for internal distribution
- Continue with the development of the corporate Intranet, as a working tool and as an internal communications channel

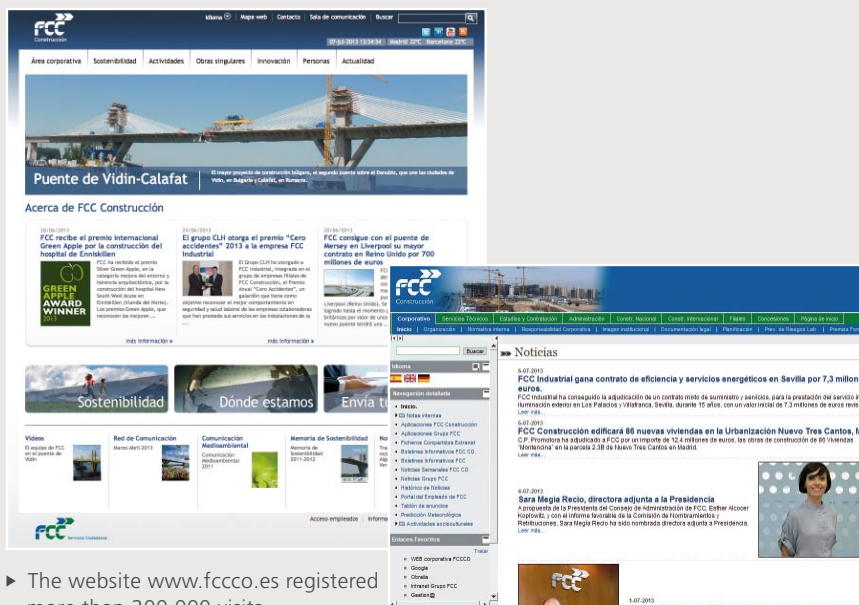
### COMMITMENT TO THE COMMUNITY

#### Investment in social projects (collaborations and sponsorships)

	2012	2011
Investment (in thousands of euro)	394	900

### CORPORATE COMMUNICATIONS

In 2012, we launched the new FCC Construcción and FCC Industrial corporate websites. These sites were developed to Level AA standard, in accordance with the 1.0 W3C Accessibility Guidelines for Web content, because we believe that transparency and accessibility are top priorities among the values of our company.



- The website www.fcco.es registered more than 200,000 visits.
- In 2012 FCC Construcción's intranet received almost 3,000,000 visits

Vidin Bridge, Bulgaria

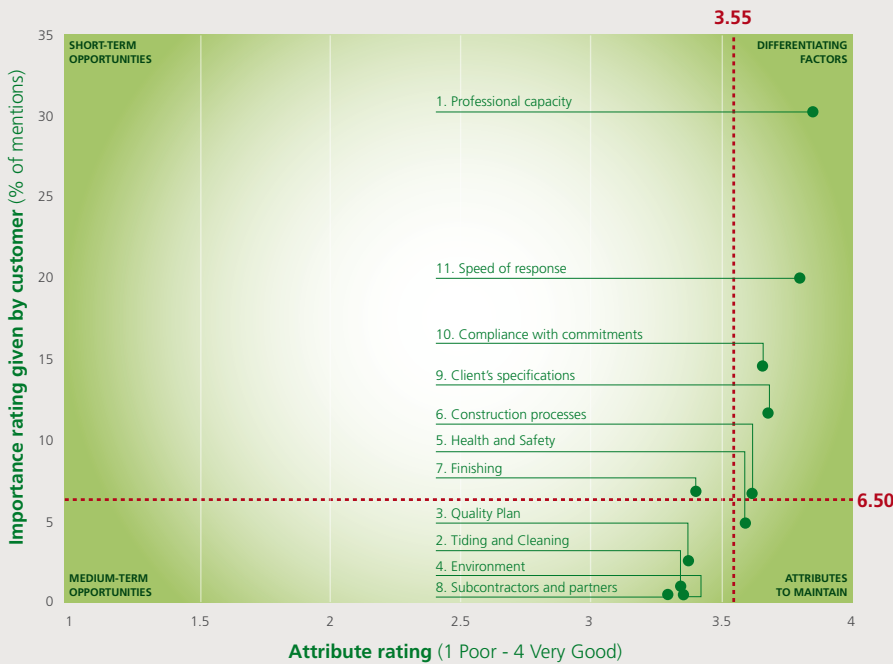




## QUALITY OF PROCESSES

### Decision-making table

Our clients continue to value “professional capacity”, “speed of response” and “compliance with commitments” as FCC Construcción’s most outstanding attributes. Indeed, in 2012 we saw an increase in overall customer satisfaction from 3.63 to 3.71<sup>1</sup>.



**Note on this table:** the various attributes are placed in each quadrant of the matrix according to the 2012 survey results.

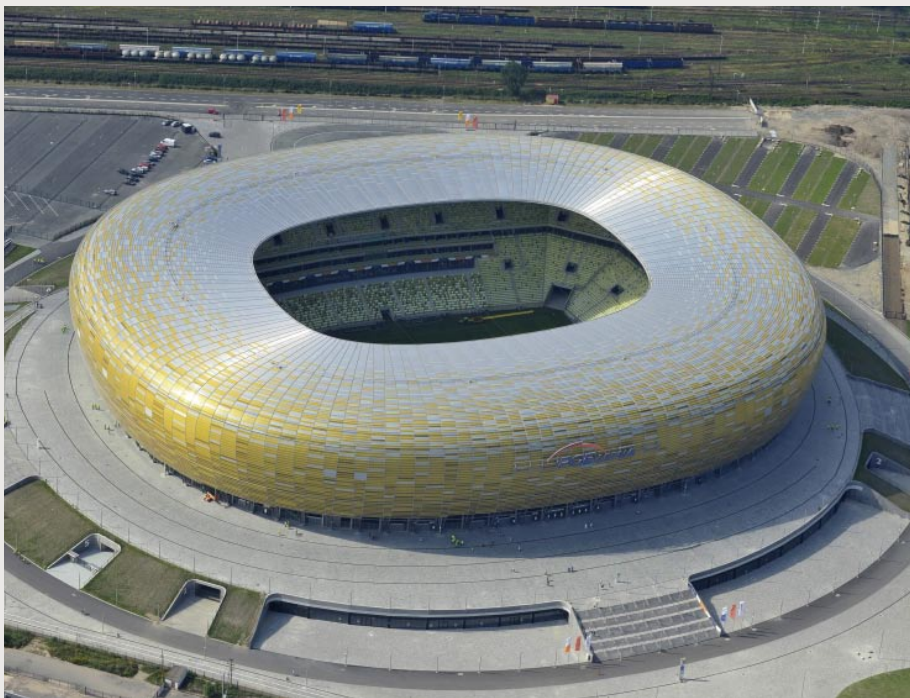


FCC's new headquarters in Las Tablas. Madrid

## 2012 MILESTONES

- ▶ We have drawn up a procedure for implementing our organisational framework overseas
- ▶ We have published a Guide to facilitate the use of the Quality and Environmental Management systems in the international projects and centres
- ▶ 100% of completed and delivered projects were rated as “good” or “very good” by our clients

Gdansk Arena. Poland



## FUTURE CHALLENGES

- ▶ Extend the use of FCC Construcción's proprietary IT applications for planning and data collection overseas on a general basis
- ▶ Consolidate the implementation of the Quality Management System internationally and obtain its certification

<sup>1</sup> Rating out of a maximum of 4

# Environmental protection

- Extending the Best Practices System®<sup>2</sup> to all international projects.



Caissons, Açu Port, Brazil



Decontamination of the Flix Reservoir in Tarragona

## ENVIRONMENTAL GOOD PRACTICES

### General Data

	2012		2011
	Domestic	International	Domestic
▪ Projects for which Good Practices data are available	218/218 (100%)	34/35 (97%)	259/260 (100%)
▪ Average number of Good Practices implemented per project	22	23	22

### Most commonly implemented Good environmental Practices

	2012		
	Domestic	International	Total
▪ Restoration of the areas affected by the development of the project and worksite installations.	96%	76%	94%
▪ Use of environmental signposting on the site to help inform and raise awareness of personnel working on the site.	97%	56%	92%
▪ Dust reduction by spraying tracks and stockpiles with water.	90%	79%	88%
▪ Sub-contractors who have received environmental awareness-raising and training from FCC Construcción related to the sub-contracted activities.	92%	53%	87%
▪ FCC production personnel (up to foreman level) who completed the environmental training course organised by the company.	92%	47%	86%

\* Percentage of projects where the good practice is implemented among the total number of worksites

## RESPONSIBLE CONSUMPTION

### Water consumption (m³)

	2012*
	4,510,014

### Energy consumption (GJ)

	2012*
Direct energy consumption	1,132,091
Indirect energy consumption	1,020,513
	111,578

### Materials consumption (t)

▪ Asphalt agglomerate	4,295,489
▪ Concrete	7,106,459
▪ Steel	221,719
▪ Brick	9,476
▪ Glass and metals	24,675
▪ Aggregates, soil and gravel	31,448,247
▪ Topsoil	1,719,755
▪ Wood	591
▪ Paint, solvents, release agents, concrete curing run-off, accelerants, fluidizers, anti-freeze and epoxy resins	62,793
▪ Other harmful or dangerous substances	8,341

\* Not comparable with data from the previous year, as they include data from international projects.

<sup>2</sup> © FCC Construcción 2009. "Environmental performance assessment system through good practices"



## FIGHTING AGAINST CLIMATE CHANGE

### Greenhouse Gas Emissions (t CO<sub>2</sub> eq)

	Construction Division*		FCC Construcción in Spain**	
	2012	2011	2012	2011
Direct emissions (scope 1)	75,084	91,602	20,750	29,662
Indirect emissions (scope 2)	8,995	12,353	4,820	8,116
Other indirect emissions (scope 3)	506,963	200,245***	305,762	197,934***

### Avoided emissions thanks to the implementation of Good Practices (t CO<sub>2</sub>e)

	18,371	14,015***	14,367	13,716***
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\* Emissions reported by various organizations and countries: not verified

\*\* Emissions verified by AENOR

\*\*\* Re-calculated data. See 2012 GHG Emissions Report at [www.fccco.es](http://www.fccco.es)



Enniskillen Hospital. Northern Ireland

## REUSE, OR HOW TO CONVERT WASTE INTO RESOURCES

### Generated waste (tonnes)\*

	2012
	<b>3,660,660</b>
▪ Hazardous waste	4,490
▪ Non-hazardous waste	3,656,170

### Use of resources coming from waste (m<sup>3</sup>)\*\*

	2012	2011
	<b>5,751,571</b>	<b>6,195,616</b>
▪ Surplus soil and stones	5,706,854 (29%)	6,130,044 (30%)
▪ Surplus clean rubble	44,717 (1.2%)	65,572 (1.3%)

### Water reuse (m<sup>3</sup>)\*\*\*

	2012	2011
	<b>210,126</b>	<b>272,273</b>

\* Construction Division. Not comparable with data from the previous financial year, as it includes data from overseas projects.

\*\* FCC Construcción in Spain

\*\*\* Construction Division



Warsaw National Stadium. Poland

## 2012 MILESTONES

- ▶ In 2012 we have included for the first time the information of all company's worksites and permanent centres, both in the domestic and international divisions
- ▶ We continue to promote the efficient consumption of natural resources by means of awareness-raising and training of our own and sub-contracted personnel
- ▶ Our project of GHG quantification has been awarded with a prize in the category "Management for sustainable development" of the European Business Awards for the Environment

## FUTURE CHALLENGES

- ▶ Consolidate the implementation at the international level of the Environmental Management System and obtain its certification
- ▶ Continue to extend the geographical scope of GHG inventory
- ▶ Qualify our own staff as consultants for assessing the sustainability of buildings (LEED and BREEAM standards)

- ▶ **71% of our international projects provided data on generated waste in 2012**

# Innovation

- We have increased our budget for certified projects

## Investment In R&D (euros)

	2012	2011
Total investment in fiscal year	11,439,093	9,475,429
Grants and subsidies received	377,638	766,091
Credit obtained on favourable terms	1,955,500	1,214,751

La Serrería Bridge. Valencia

## 2012 MILESTONES

- Throughout 2012 we obtained certification for new R&D&I projects
- We headed up the "Smart Cities" workgroup promoted by FCC Group, together with FCC SIE, Matinsa and Proser

## FUTURE CHALLENGES

- Strengthen projects in collaboration with various areas of FCC Group aiming to promote synergies
- Undertake projects in line with the R&D&I policy and with the company's priorities

- FCC Construcción maintains its strong commitment to investment in R&D&I

## Outstanding Projects

Project	Description
RS <sup>3</sup>	Development of an integrated software, which allows to evaluate and select measures to undertake when refurbishing existing buildings so that the level of energy efficiency required in each case can be achieved.
HERMES	A new system for cleaning and demolishing buildings which are highly contaminated with heavy metals. The main novelties of the project have to do with developing new expertise in chemical cleaning and demolition of buildings.
BUILDSMART	Integration of innovative and energy efficient techniques that are financially viable, as well as methods for the construction of buildings with very low energy consumption, coupled with testing how these function in real buildings in different climate regions.

<sup>3</sup> RS: Sustainable building refurbishment



# Main indicator trends

	2011	2012	Trend
<b>Business and economic context</b>			
• Turnover	€6,686 million	€6,148 million	▼
• International turnover	€4,366 million	€4,199 million	▼
• % of turnover from overseas operations	65.3%	68.3%	▲
<b>Our professionals</b>			
• Employees	28,634	27,230	▼
• Female (out of the total FCC Construcción workforce)	12.1%	12.2%	▲
• Training hours	148,474	177,827	▲
• Expenses in training (in thousands of €)	3,786	2,235	▼
• Environmental, Quality and OHS Training hours	30,236	23,358	▼
• Incidence index*	2,680	1,934	▼
• Frequency index*	13.53	9.99	▼
• Seriousness index*	0.50	0.45	▼
<b>Keeping social commitment</b>			
• Investment in social projects (in thousands of €)	900	394	▼
• Visits to our corporate web sites	124,963	203,378	▲
• Number of forums and seminars in which the company has taken part	75	66	▼
• UNE-EN ISO 9001 - certified activity	99% (Spain) 81% (FCCCO Group)	99% (Spain) 82% (FCCCO Group)	▲
• Customer satisfaction* <sup>4</sup>	3.63	3.71	▲
• Number of external communications*	808	916	▲
<b>Environmental protection</b>			
• UNE-EN ISO 14001: 2004 - certified activity	98% (Spain) 73% (FCCCO Group)	99% (Spain) 78% (FCCCO Group)	▲
• Projects that plan and implement environmental Good Practices	100%	100%	●
• % of projects that comply with the score demanded by the company in the application of Good Practices	99.6%	99.5%	●
• Use of resources coming from waste (soil and rubble reused on site)	6,195,616 m <sup>3</sup>	5,751,571 m <sup>3</sup>	▼
• Reuse of water	272,273 m <sup>3</sup>	210,126 m <sup>3</sup>	▼
• Avoided GHG emissions thanks to the implementation of Good Practices on site*	13,716 T CO <sub>2</sub> eq <sup>5</sup>	14,367 T CO <sub>2</sub> eq	▲
<b>Innovation</b>			
• Investment in R&D&I	€9.48 million	€1.45 million	▲

\* Only FCC Construcción in Spain

<sup>4</sup> Re-calculated data. See GHG Emissions Report 2012

