

# Bouygues Construction

Press file



Shaping a **Better Life**

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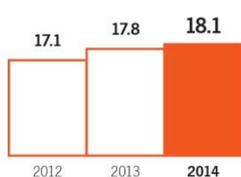
# I- Group Presentation

## 1/ Introduction: profile

Bouygues Construction is a global player in construction and services with operations in 80 countries. Its teams work to design, construct and operate structures destined to improve the living and working conditions of their users. As a leader in sustainable construction, the Group and its employees have a long-term commitment to helping their customers shape a better life.

The Group employs 53,500 people around the world, and it generated sales worth €11.7 billion in 2014.

### Key figures 2014

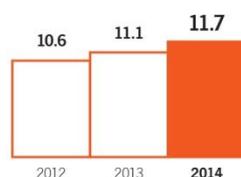


**18.1**  
order book at end-December  
(in € billions)

+ 1%

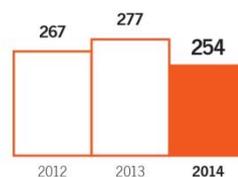
**53,500**  
employees

**11.7**  
sales  
(in € billions)



+ 6%

of which  
**49%**  
abroad



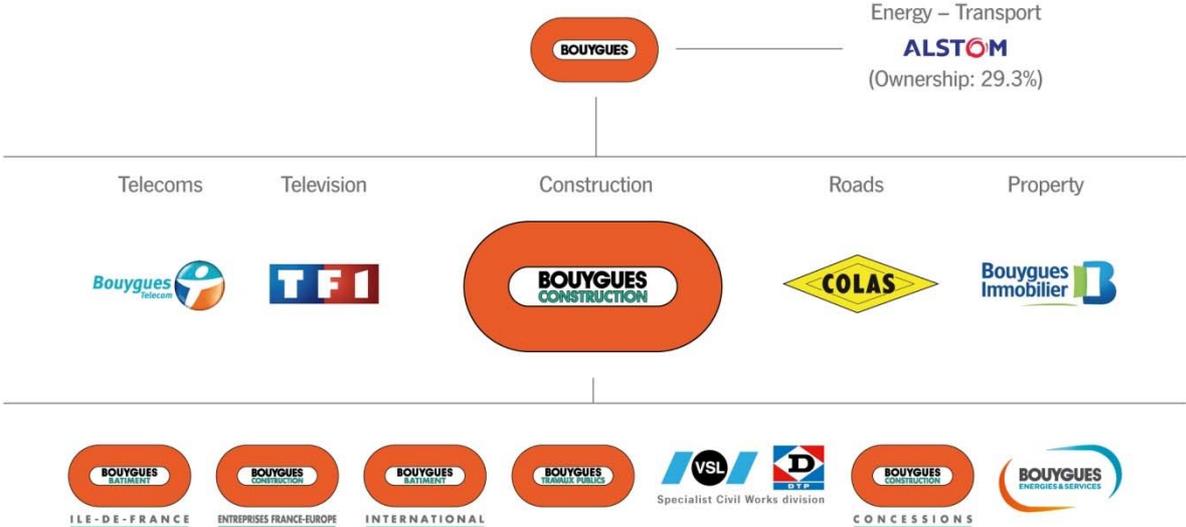
**254**  
net profit att. to the Group  
(in € millions)

- 8%

**2.9%**  
current operating margin

- 1 point

## 2/ Simplified organisation chart



## 3/ Members of the Board of Directors (as at 3 March 2015)

**PHILIPPE BONNAVE**, Board member, Chairman and Chief Executive Officer of Bouygues Construction

**PASCAL GRANGÉ**, Board member, Deputy Chief Executive Officer of Bouygues Construction

**OLIVIER BOUYGUES**, Board member

**JEAN-FRANÇOIS GUILLEMIN**, Board member

**GILLES ZANCANARO**, Board member

Bouygues represented by **PHILIPPE MARIEN**, Board member



## 4/ General Management Committee

### Executive Committee

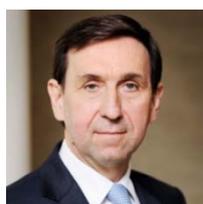
**PHILIPPE BONNAVE**  
Chairman and CEO



**OLIVIER-MARIE RACINE**  
Deputy CEO responsible for Bouygues Bâtiment International and Bouygues Energies & Services



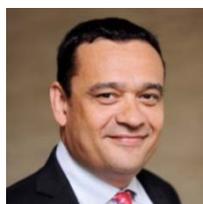
**JEAN-PHILIPPE TRIN**  
Deputy CEO responsible for Bouygues Travaux Publics, DTP and VSL



**PASCAL GRANGÉ**  
Deputy CEO responsible for strategy and finance, information systems, concessions and strategic reflection on property development.



**JEAN-MARC KIVIATKOWSKI**  
Deputy CEO responsible for legal affairs, insurance, auditing, internal control and compliance



**JEAN-MANUEL SOUSSAN**  
Deputy CEO responsible for human resources and policy on corporate and social responsibility

## General Management Committee (in addition to the Executive Committee)



**PASCAL MINAULT**  
Chief Executive Officer,  
Bouygues Entreprises  
France-Europe



**BERNARD MOUNIER**  
Chief Executive Officer,  
Bouygues Bâtiment Ile-de-France



**DANIEL RIGOUT**  
Chief Executive Officer,  
Bouygues Bâtiment International



**PHILIPPE AMEQUIN**  
Chief Executive Officer,  
Bouygues Travaux Publics  
(Bouygues Public Works)



**CHRISTIAN GAZAINES**  
CEO, the TP division for Asia,  
Oceania and the Middle East



**JEAN-CHRISTOPHE  
PERRAUD**  
CEO, Bouygues Energies &  
Services



**MADANI SOW**  
Deputy CEO, Bouygues Bâtiment  
International



**CYRIL FERRAND**  
Deputy CEO, Bouygues Energies  
& Services



**CHARLES PARADIS**  
Chief Executive Officer  
Concessions Division



**OLIVIER MONTFORT**  
Secretary General  
Bouygues Construction



**MARIE-LUCE GODINOT**  
Director, Innovation and  
Sustainable construction  
Bouygues Construction



**FRANCK LE GUILLOU**  
Purchasing Director  
Bouygues Construction

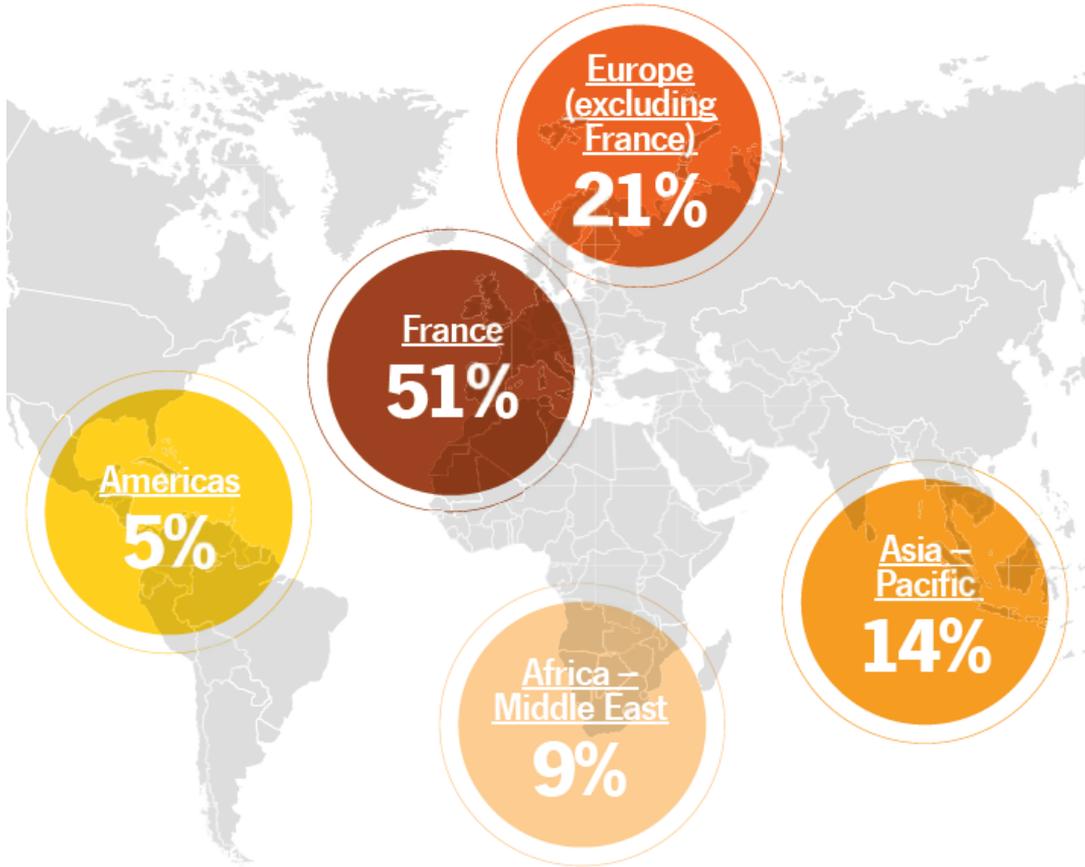


**DAMIEN REBOURG**  
Communications Director  
Bouygues Construction

## 5/ International operations

The Group, which has key references on five continents, operates in 80 countries through sustainable locations due to its subsidiaries that are well-established in their countries or temporarily for major projects with high technical expertise, with the involvement of its central engineering divisions. It is particularly active in Western and Eastern Europe, Asia, Africa and the Caribbean.

In 2014, Bouygues Construction generated 49% of its turnover abroad.



## II. Financial Results

### Sales

<i>(million euros)</i>	TURNOVER	OF WHICH INTERNATIONAL
2014	11,726	5,767
2013	11,111	5,106
2012	10,640	5,028
2011	9,802	4,452
2010	9,235	4,130
2009	9,546	4,190
2008	9,497	4,113
2007	8,340	3,399
2006	6,923	2,655
2005	6,131	2,478
2004	5,512	2,276

### Each entity's contribution to sales

<i>(million euros)</i>	TURNOVER 2014	% OF TOTAL
Bouygues Bâtiment Ile-de-France	2,614	22%
Bouygues Entreprises France-Europe	2,202	19%
Bouygues Bâtiment International	2,887	25%
Bouygues Travaux Publics.	1,447	12%
VSL	401	4%
DTP	496	4%
Bouygues Energies & Services	1,677	14%
<b>Total (holding included)</b>	<b>11,726</b>	<b>100 %</b>

At the end of 2014, the order book stood at a high level €18.1 billion—1% higher than at the end of 2013. Turnover for 2014 was up 6% to €11.7 billion. It has fallen slightly in France by 1% and has increased dramatically internationally by 13% compared with 2013.

### Geographic breakdown of sales

In 2014, Bouygues Construction recorded more than 49% of its sales outside France, representing more than €5 billion.

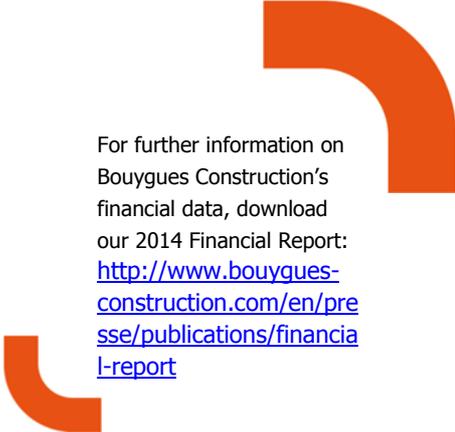
France	51%
Europe (excluding France)	21%
Africa – Middle East	9%
Asia – Pacific	14%
Americas	5%

### Operating profit 2014

€335 million

### Net profit, Group share 2014

€254 million



For further information on Bouygues Construction's financial data, download our 2014 Financial Report: <http://www.bouygues-construction.com/en/press/publications/financial-report>



### III. Strategy

#### 1/ Strategic priorities

Bouygues Construction's strategy is based on two top priorities:

**- A presence throughout the value chain:**

Bouygues Construction develops its skills and activities throughout the value chain, upstream and downstream of construction, which is the company's core business, in order to offer high value added, end-to-end products and services: urban planning, property development, design, legal and financial engineering (public-private partnerships (PPP) and concessions) and long-term services for the project and its users (energy performance, smart grids, smart and communicating buildings, etc.).



**- Sustainable construction:**

Bouygues Construction offers customers a responsible approach which factors in the technical, environmental and social issues associated with a project. In technical terms, the company offers effective solutions spanning the entire lifecycle of a structure or neighbourhood and gives customers long-term commitments to high-level performance, especially for low-energy and HQE® (High Environmental Quality) buildings.

## 2/ Strengths and assets

Bouygues Construction has many strengths to draw on in all its lines of business:

- a strong international presence: Bouygues Construction operates worldwide on a long-term basis through well-established local subsidiaries or on one-off, technically complex major projects. The two approaches are complementary and give the company the necessary flexibility to mobilise its resources quickly on high-potential markets. As a result of this strategy, Bouygues Construction generates half its sales on international markets;
- differentiation through innovation: at Bouygues Construction, innovation is found at all stages of a project, from marketing up to design and construction, underpinned by robust partnerships with leading industrial firms such as Lafarge, Renault and Techniwood;
- long experience of managing complex projects: its motivated people with high-level technical skills enable the company to fully meet the needs of its public and private customers and make the most of future opportunities;
- the capacity to adapt to changing markets: the value and depth of its order book give the company visibility that enables it to promptly adjust costs and focus investment on the most buoyant markets;
- a policy of controlling operating and financial risks: strict application of procedures at all levels of the company guarantees that the right projects are selected and carried out smoothly;
- robust financial performance: over the last ten years, Bouygues Construction has demonstrated its capacity to generate sales growth while preserving profitability, backed up by a healthy and robust financial situation.

## IV. Principal ongoing projects

### France

#### Student residences in Paris - Saclay



- Delivery: summer 2017

Bouygues Bâtiment Ile-de-France (authorised representative) and Bouygues Energies & Services, which are both subsidiaries of Bouygues Construction, are working in a consortium on the new Gif-sur-Yvette building with the company Kluster. This contract is part of future Paris-Saclay campus, CentraleSupélec.

The contract, which will run for a period of 26 years, covers the construction and maintenance of a property development of approximately 25,000 m<sup>2</sup>, primarily intended to house the School's teaching and research activities. It will house facilities shared at the level of the Moulon university district.

#### Prado shopping centre in Marseille



- Start of works: Winter 2014
- Delivery: Winter 2017
- Value of works: €90 m

Bouygues Bâtiment Sud-Est (previously GFC Construction) is responsible for construction work on the Prado Shopping Centre. The project covers 23,000 m<sup>2</sup> and is part of complex accompanying the Stade Vélodrome football stadium in Marseille.

Designed by architectural firm Benoy & Didier Rogeon, it will consist of two buildings (the main building and Michelet building) on either side of an avenue open to the outside and covered with a canopy protecting it from bad weather. This will act as a kind of fifth facade offering access to the corner entrances and offering views of all the shopping levels of the shopping centre.

The project is in line with the principles of sustainable construction and will seek the following labels: BREEAM® Excellent and C2C ("cradle to cradle", certification based on the principles of the circular economy: zero pollution and 100% recycling).

## New hospital centre in Guiana



Bouygues Bâtiment Centre Sud-Ouest (previously DV Construction) and Bouygues Energies & Services, which are both subsidiaries of Bouygues Construction, are building the Saint-Laurent-du-Maroni hospital in Western Guiana.

The new hospital complex, offering 25,000 m<sup>2</sup> of surface area, will consist of five buildings, incorporating five operating theatres, a maternity ward, and a total of 250 beds. The consortium responsible for construction, of which Bouygues Bâtiment Centre Sud-Ouest is the authorised representative, also includes its subsidiary Bouygues Bâtiment Outre-Mer (previously GTC Construction) and Ribal TP (Colas).

Bouygues Energies & Services will be responsible for two technical work packages for the project: the low- and high-voltage electricity package on the one hand, and a package consisting of HVAC, plumbing and medical fluids on the other.

- Start of works: 2014
- Delivery: November 2017
- Value of works: €85 m

## Hospital buildings in Strasbourg



Bouygues Bâtiment Nord-Est (previously Pertuy Construction and Norpac), a Bouygues Construction subsidiary, is constructing two buildings on the site of Strasbourg Teaching Hospital: the regional cancer institute and the medico-technical and locomotor facility.

This operation involves the simultaneous construction of two buildings that are connected with each other and a pre-existing building by a system of underground passages and pedestrian bridges.

The consortium, of which Bouygues Bâtiment Nord-Est is the authorised representative, will be responsible the main part of the project, including structural work, walls and covering, drywall and finishing work, along with earthworks and utility network installations.

- Start of works: summer 2014
- Delivery: end of 2017.
- Value of works: €164.9 m
- Architect: Groupe 6

## Extension of line 14 of the Parisian Metro network.



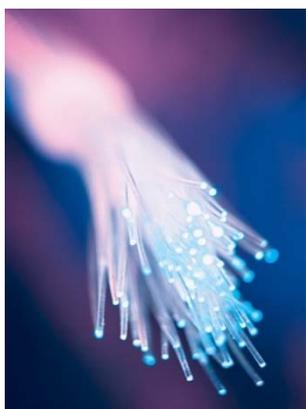
- Start of works: summer 2014
- Value of works: €164.9 m

Bouygues Travaux Publics, as part of a consortium, has signed a contract with RATP concerning the second tunnel lot for the extension of line 14 to the north of Paris, from Clichy to Saint-Ouen in Pleyel (a town in Saint-Denis).

This infrastructure project which is 55 % co-financed by the Société du Grand Paris, will contribute to alleviating traffic on line 13, thereby improving the travelling conditions and access to Paris for those in the northern suburbs.

The group pays particular attention to sustainable development, and shall make every effort to limit environmental pollution in a very dense urban environment. For example, all the excavated material will be removed by boat to avoid blocking traffic in the towns concerned.

## Deployment of fibre optics in Oise



- Start of works: 2013
- Delivery: 2017
- Value of works: €97 m

Bouygues Energies & Services and its subsidiary Axione, are in a consortium with Sobeca, to carry out the first phase in the deployment of fibre optics in Oise.

This first phase is part of the "Very high speed, everywhere and for everyone" plan that aims to equip the whole Oise region with a 100% fibre optic network to the subscribing householder (FTTH\*). In all, 136,000 FTTH sockets will be deployed, outside the zones where the local authority shall not intervene as they fall under the remit of private operators (zones with a call for an expression of interest).

The project has just started in the 21 municipalities for the first year of deployment—representing 14,000 connections before the end of 2014. Priority is being given to municipalities with an under-performing ADSL broadband.

## Viaduct of the New Coastal Road, Reunion Island



- Start of works: December 2013
- Delivery: 2018
- Value of works: around €715 m

Bouygues Travaux Publics is working in a consortium with Vinci Construction (principal contractor) and Demathieu Bard on the construction of a viaduct for the New Coastal Road.

This 5,400 metre sea viaduct, the longest in France, that will go alongside the coast, will connect Saint-Denis (the capital of Reunion Island) to La Grande Chaloupe. This is a major component of the new coastal road, two lanes of which shall be dedicated to environmentally friendly transport (buses, pedestrians/cyclists). It will replace the current road on the coast between Saint-Denis and La Possession, which is exposed to risks from rock falls and submersion under the waves during storms.

## Terminal 1 at Lyon Saint-Exupéry Airport



- Start of works: Autumn 2014
- Delivery: 2016
- Value of works: €142 m

Bouygues Bâtiment Sud-Est, a subsidiary of Bouygues Construction in the south west of France, is carrying out the design and construction of Terminal 1 for Lyon-Saint Exupéry airport with Aéroports de Lyon. Bouygues Bâtiment Sud-Est, is authorised representative for a consortium that also includes architects RHSP and Chabanne and partners, Technip TPS, Cap Ingélec, and Inddigo. This new 700,000 m<sup>2</sup> three storey infrastructure will considerably increase the capacity of Lyon-Saint Exupéry Airport and will double the surface area of the existing terminals. The construction will be an extension to the current terminals 1 and 3. It will be able to host nearly 10 million passengers. The building, that will be HQE© certified, is designed according to a sustainable construction approach.

## Rocade L2 ring road in Marseille



- Start of works: June 2014
- Delivery: October 2017
- Amount invested: €620 m

This public-private partnership for a duration of 30 years covers the financing, design, construction, upkeep, maintenance and renewal of the work and equipment for the new ring road for Marseille (L2 or A507). This is the largest infrastructure project assigned in France in 2013.

The L2 will make it possible to bypass and unblock the centre of Marseille through the creation of a 10 km long free urban fast lane connecting the A7 (North to Aix-en Provence) and A50 (East to Aubagne and Toulon) motorways and will make it possible to recategorise the urban districts served.

## City of Music on Seguin Island (Boulogne-Billancourt)



- Start of works: March 2014
- Delivery: June 2016
- Value of works: €170 m
- Architect: Shigeru Ban and Jean de Gastines

A consortium headed by Bouygues Bâtiment Île-de-France has signed the contract for the City of Music on Seguin Island in Boulogne-Billancourt, near Paris, with the Hauts-de-Seine Department, in the context of a public-private partnership. The project awarded to the consortium consists in building (finance, design, construction) a new iconic cultural facility and developing its artistic influence through an international programme dedicated to all forms of music (artistic and commercial operation as well as maintenance for a period of 27 years).

This new 36,500 m<sup>2</sup> musical facility will be unique, combining concert halls, spaces for music teaching and training, recording studios, a seminar centre, restaurants and shops.

The environmental commitment of the project will be validated by several labels: HQE® Excellence, Urban Biodiversity<sup>1</sup> and HQU level \*\*\*<sup>2</sup>.

## Renovation of the Hotel Crillon (Paris)



- Start of works: summer 2013
- Value of renovation: €100 m
- Architect: Richard Martinet of Affine Design

Bouygues Bâtiment Île-de-France is renovating the Hôtel de Crillon, situated on Place de la Concorde in Paris. It will be the first time that this prestigious hotel has undergone a major renovation since it opened in 1909.

The project involves a complete refurbishment of the 14,000 m<sup>2</sup> building, including entirely recreating the décor and extending the bedrooms. The comfort of guests will be improved with the creation of new restaurants and a basement housing a spa and pool.

<sup>1</sup> Label instigated and awarded by the CIBI (Conseil international Biodiversité et Immobilier).

<sup>2</sup> The Haute Qualité d'Usage label awarded by the CRIDDEV (Centre de Recherche pour l'Intégration des Différences dans les Espaces de Vie).

## Incity Tower (Lyon)



- Start of works: April 2013
- Delivery: October 2015
- Value of works: €124 m
- Architect: Valode & Pistre and AIA architects

Bouygues Bâtiment Sud-Est (previously GFC Construction) and Bouygues Bâtiment Ile-de-France are building an office block in Lyon, called Incity, for Sogelym Dixence. It will be the tallest building in the city.

The Incity Tower, which will replace the old UAP tower, deconstructed by Bouygues Construction, will form part of the transformation of the Part-Dieu business district in Lyon, the second largest in France. With 44,145 m<sup>2</sup> of floor space on 40 storeys, the skyscraper will be a new landmark on the Lyon skyline. It will accommodate around 2,700 employees.

The tower has been designed in line with the principles of sustainable construction. Incity will feature a thin double-skin facade (internal double glazing and external single glazing), which will insulate the building while encouraging good airflow. The wide glazed facade will allow natural daylight to enter and so restrict the need for artificial light. The tower will be equipped with energy-efficient systems.

In all, the building will consume less than 90 kWhPE/m<sup>2</sup>/year, as compared to between 300 and 800 kWhPE/m<sup>2</sup>/year for the previous generation of office towers. This will be the first tower in Lyon to be awarded the BBC<sup>®</sup> low-consumption label, and it will also be seeking double certification (HQE<sup>®</sup> and BREEAM<sup>®</sup> Excellent).

## Renovation of the Ritz Hotel (Paris)



- Start of works: July 2012
- Delivery: end 2015
- Value of renovation: €140 m
- Architect: Didier Beuitemps of the Atelier Cos

Bouygues Bâtiment Île-de-France is carrying out the renovation of the famous Ritz hotel, place Vendôme in Paris.

The luxury hotel is to be totally refitted. This will encompass complete refurbishment of the decoration and renovation of the historic areas, while preserving the spirit of the iconic institution.

The comfort of guests will be greatly improved by the creation of a summer restaurant with a sliding glass roof, a larger number of suites, an extension to the ballroom and incorporation of the latest technological innovations.

## Future Law Courts complex (Paris)



- Start of works: summer 2013
- Delivery: 2017
- Value of the project:  
design and construction: €575 m  
operation-maintenance: €12.8 m
- Architects: Renzo Piano (Renzo Piano Building Workshop Agency)

The Arelia consortium and the Etablissement Public du Palais de Justice de Paris (the governing body of the Paris Law Courts) have signed a contract for the financing, design and construction of the new Paris Law Courts complex, and the provision of maintenance and upkeep services for a period of 27 years. Bouygues Bâtiment Ile-de-France will be responsible for design and construction, for a total of €575 million. Bouygues Energies & Services, will provide facilities management services for the complex for an annual sum of €12.8 million.

The future Paris Law Courts building will unite five facilities currently spread all around Paris in a single location.

Designed by the architect Renzo Piano for the Renzo Piano Building Workshop, the project consists in the construction of a 160 m-tall edifice composed of separate functional elements which allow for more than 1 hectare of open-air terraces planted with trees and a podium housing more than 90 courtrooms.

The future law courts complex will set a new benchmark for energy consumption in a very tall building.

## Ministry of Defence at Balard (Paris)



- Start of works: January 2012
- Delivery: 2015
- Value of the project:  
design-build €745 m (€500 m for Bouygues Bâtiment Ile-de-France) facilities management €534 m
- Architects: Nicolas Michelin & Associés and Atelier 2/3/4

Bouygues Bâtiment Ile-de-France and Bouygues Energies & Services, forming part of Opale-Défense, won a contract to finance, design and construct the French Ministry of Defence at Balard, in south west Paris, along with operation and maintenance of the complex for 30 years.

The project was designed by two firms of architects (Nicolas Michelin & Associés, who coordinated the overall architectural project, and Atelier 2/3/4) and the engineering consultant Iosis. It comprises the construction of the main ministry building on the western part of the site (140,000 m<sup>2</sup>) along with a vast redevelopment operation for the eastern part (170,000 m<sup>2</sup>, including 120,000 m<sup>2</sup> of renovation).

Works began in January 2012, and will involve 2,500 people at peak periods. Substantial technical resources will be employed, most notably 25 tower cranes.

## Flamanville EPR Nuclear Plant



- Start of works: October 2006
- Total value of the project: more than €300 m

The French power utility, EDF, awarded the main package for the construction of the buildings that will house the future new-generation nuclear reactor at Flamanville to Bouygues Construction. The contract includes the entire civil engineering works for the nuclear power plant. It is being carried out by a consortium including Bouygues Travaux Publics (authorised representative), Bouygues Bâtiment Grand Ouest (previously Quille Construction) (a Bouygues Construction subsidiary based in Rouen) and Baudin-Châteauneuf (a steel frame constructor). The Flamanville 3 nuclear plant will house a European Pressurised Reactor (EPR) with a capacity of approximately 1,600 megawatts. The site comprises more than ten industrial buildings, including the machine room and the containment structure in the reactor building. The latter shall be made from pre-stressed concrete with a steel liner to ensure leak-tightness.

## Lighting of the City of Paris



- Length of public service delegation contract: 10 years
- Value of contract: €360 to €450 m per year (according to variable part on purchase order)
- 180,000 light points for street lighting, 300 illuminated sites and 140,000 traffic light lamps
- 30% reduction in energy consumption

Bouygues Energies & Services, leader of the Evesa consortium, manages the street lighting and traffic lights energy performance contract signed with the City of Paris.

The contract includes project management support plus the operation and maintenance of approximately 180,000 light points for street lighting and 140,000 traffic light lamps, as well as upgrading and servicing all the street lighting, traffic signalling and safety installations.

Bouygues Energies & Services has undertaken to meet the targets of the Paris Climate Plan through sustainable management of public lighting: renovating equipment, replacing energy-intensive lights with more efficient units and installing innovative lighting and new technologies, such as LED lights. Ultimately, these measures will enable the City of Paris to economise 30% of electrical energy by comparison with the consumption of these installations at the start of the contract.

## Internationally

### "Manhattan Loft Gardens" in London



- Delivery: Spring 2018
- Value of works: €340 m

Bouygues UK, the British subsidiary of Bouygues Construction, is constructing "Manhattan Loft Gardens", a 143-metre landmark tower in Stratford, East London. Manhattan Loft Gardens will be located next to Stratford International Station and High Speed 1, the Channel Tunnel rail link. The tower will play a key role in the regeneration of the area. Designed by architects Skidmore, Owings & Merrill (SOM), this 42 storey tower will include 248 apartments above a 150 bedroom hotel, a spa, a triple-height lobby and two restaurants.

### Line 3 of the Cairo underground



Bouygues Travaux Publics, Vinci Construction (authorised representative) and their Egyptian partners Orascom Construction and Arab Contractors, are working on the construction of the new phase of civil engineering for Line 3 of the Cairo metro between Haroun and El Nozha stations. This new construction phase (Phase 4A), continues on from Phase 2 which was brought into service in May 2014—more than 6 months ahead of schedule—it includes 5.15 km of tunnel and 5 underground stations on Line 3, the east-west link across the Egyptian capital.

### Waste-to-energy gasification plant in the UK



Bouygues Energies & Services is constructing a waste-to-energy gasification plant in Hoddesdon (Hertfordshire) in the UK for a turnkey delivery. Bouygues Energies & Services will be responsible for the engineering and construction of this 10 MWe facility and procurement of equipment, followed by operation and maintenance for a period of ten years.

This will be the largest waste-to-energy gasification plant in the UK.

- Start of works: July 2015
- Delivery: July 2017
- Value of works: €110 m

## NorthConnex motorway connection in Sydney



- Value of works: €900 m

The design and construction of the NorthConnex project will be carried out by a consortium including in equal parts Bouygues Construction Australia and Lend Lease. The project will create 2,500 jobs and the work will take four years.

It notably includes the design and build of a nine-kilometre twin-tube tunnel that will link the south of the M1 Pacific Highway at Wahroonga to the M2 Hills Motorway, joining it at the Pennant Hills Road interchange.

Once in place, NorthConnex will facilitate national and regional freight for the Sydney region, taking nearly 5,000 lorries per day off the Pennant Hills road. It will also take up to fifteen minutes off journey times for car drivers by curtailing over twenty traffic lights whilst improving public transport.

## Power station in Gibraltar



- Start of works: July 2015
- Delivery: December 2018
- Value of works: €100 m

Bouygues Energies & Services and the Gibraltar Electricity Authority (GEA) signed a contract worth €100 m for the design, construction, and provision of equipment for a state-of-the-art thermal power station in Gibraltar which will generate 80 MW of electricity with 3.4 MW of heat recovery. The contract also includes operation and maintenance of the plant for one year.

The solution proposed by Bouygues Energies & Services for the new latest generation power station meets the specific needs of the Gibraltar Electricity Authority (GEA). The new installations will be constructed in a confined area close to urbanised zones, and works will be carried out without disrupting the operation of the existing power stations.

## Extension of Shatin Metro to Central Link



- Start of works: 2014
- Delivery: 2020
- Value of works: €490 m

Through its subsidiaries Dragages Hong Kong and Bouygues Travaux Publics, Bouygues Construction has won a 5.2 billion Hong Kong dollar contract, which is around €490 million, from MTR Corporation, for the construction of 2X2 tunnels for the 6 km extension to the Shatin metro line to Central Link.

These tunnels are part of the large-scale infrastructure projects currently under way in the city: they will link tourist sites to the business district.

The two East tunnels, both around 540 metres long, will link the ventilation building and the new "Exhibition" Station on the Shatin to Central Link line. The two West tunnels, both around 450 metres long, will be excavated between the emergency exit from Fenwick Pier and the existing "Admiralty" station. Bouygues Construction will also construct the ventilation building associated with these projects.

## Extension of the Ridge Hospital in Accra, Ghana



- Start of works: 2014
- Delivery: 2017
- Value of works: around €160 m
- Architects: Perkins+Will

Americaribe, an American subsidiary of Bouygues Construction, is building an extension on "Ridge Hospital" in Accra, Ghana.

The contract will make it possible to create a turnkey five storey regional health centre, which will include notably 420 beds, several operating theatres and a maternity ward.

This bigger, more modern and more functional hospital is intended to be one of the most up to date medical facilities in Western Africa and will offer health care to the whole population of Ghana. In recent years the ever increasing number of patients was causing problems for the current Ridge Hospital, particularly the maternity ward which could no longer take on all the patients.

The project is part of a sustainable construction approach with the aim of achieving LEED® Healthcare certification—a first for the region—with, in particular, a focus on using solar power.

## Zagreb Airport, Croatia



- Start of works: December 2013
- Delivery: end of 2016.
- Value of works: €243 m
- Architects: Kincl, Neidhardt and Radic

Bouygues Bâtiment International is working with Viadukt and other well reputed Croatian firms on the construction of the new terminal for Zagreb airport.

This project is being carried out as part of a concessions contract signed with the ZAIC-A Ltd consortium—full owner of the concession company MZLZ (Međunarodna Zračna Luka Zagreb d.d.) and which includes:

- the financing, design and construction of the 65,000 m<sup>2</sup> airport terminal that will replace the current overcrowded one.
- operation of the whole airport over nearly 30 years, in particular the runways, the existing terminal for the duration of the works, the new terminal after delivery, the cargo terminal, the car parks and future real estate developments.

Once completed the new terminal will be able to welcome 5 million passengers, compared with a current capacity of 2 million.

## City of Dreams Entertainment complex, Macao



- Start of works: November 2013
- Value of works: around €360 m
- Architect: Zaha Hadid

Through its subsidiary Dragages Macao, Bouygues Construction is carrying out the construction of a 6-star luxury hotel at the heart of the "City of Dreams" entertainment complex in Macao. The work is being undertaken on behalf Melco Crown Entertainment Limited, owner and developer of casinos, leisure and entertainment complexes

"City of Dreams" is a unique entertainment spot that hosts shows and events, including the world's biggest aquatic show, a huge modern space dedicated to games, fashion boutiques, a range of hotels, restaurants and Macao's most prestigious night-club. The 6-star hotel project will become the new flagship of this singular complex.

The hotel project includes the design and construction, on a surface of nearly 151,000 m<sup>2</sup> over 39 floors, of 783 rooms including 10 villas, a casino, restaurants, conference rooms and a rooftop swimming pool. Dragages Macao is responsible for the core and shell, including the reinforced concrete structure, the steel structure exoskeleton, the facade and the coating.

## Iqaluit airport, Canada



- Start of works: Spring 2014
- Delivery: December 2017
- Value of works: around €170 m

Bouygues Building Canada, a subsidiary of Bouygues Construction, and Sintra, a subsidiary of Colas Canada, are carrying out work to modernise Iqaluit International Airport in the north of Canada as part of the Arctic Infrastructure Partners consortium. The public-private partnership includes financing, design, construction and operation-maintenance of the new airport terminal for 34 years.

Bouygues Building Canada and Sintra are responsible for the design and construction of the new 10,000 m<sup>2</sup> airport terminal, a related 4,500 m<sup>2</sup> services building and the rehabilitation and extension of about 400,000 m<sup>2</sup> of runway and aircraft parking areas.

The project is designed to be highly energy efficient. The work, which will include co-generation electricity production, is aiming to achieve LEED® Silver certification. The contract also provides for an ambitious employment and training programme for Inuit workers, whilst respecting and understanding their culture.

## Brickell City Centre, Miami, United States



- Start of works: June 2013
- Delivery: 1st quarter 2016
- Value of works: €200 m
- Architect: Arquitectonica

Americaribe, an American subsidiary of Bouygues Construction, which teamed up with the American construction firm John Moriarty & Associates of Florida, has won a contract worth approximately \$520 million (roughly €400 million) to build the first phase of a mixed-use project in Miami for Swire Properties, South Florida's leading international real estate developers. Americaribe's share of the contract is worth around \$260 million (approx. €200 million).

Brickell City Centre is a mixed-use development with a total area of around 502,000 m<sup>2</sup>, minutes away from downtown Miami. The project's first phase includes a luxury shopping centre of more than 46,000 m<sup>2</sup>, two residential towers with 820 apartment units, a 263-room hotel with 89 serviced apartments, a wellness centre and an office building. The project is LEED® registered for Neighbourhood Development and currently one of the largest in the United States in this category.

## Tuen Mun Tunnel in Hong Kong



- Start of works: August 2013
- Delivery: December 2018
- Value of works: €1,150 m

Through two of its subsidiaries, Dragages Hong Kong and Bouygues Travaux Publics, Bouygues Construction has won a €1.15 billion contract for the construction of a 4.2-kilometre undersea road tunnel in Hong Kong. It is the largest design-build contract ever awarded in Hong Kong.

The project consists in constructing an undersea twin-tube tunnel, each tube with two traffic lanes and 14 metres in diameter. The tunnel will link the New Territories, north of Hong Kong, to Lantau Island, where the international airport is located. It will be bored 50 metres below sea level, which will constitute a record depth for Bouygues Construction.

The project will entail working in an environment in which pressure is high (over 5 bar).

The site will be run to comply with strict environmental standards as they relate to marine ecology, water quality, noise nuisance and waste management. The two ventilation buildings powered by wind energy that will be constructed to the north and south of the tunnel have been designed to qualify for BEAM Plus Gold rating.

## First section of the Hong Kong – Macao Bridge



- Start of works: mid-2012
- Delivery: 2016
- Total value of contract: €1.25 billion (including provisional sums)

Dragages Hong Kong and VSL, in a consortium with the contractor China Harbour, are constructing the first section of the bridge between Hong Kong and the cities of Zhuhai and Macao. The value of this contract makes it the largest design-build contract ever awarded in Hong Kong.

The consortium will construct a section of the bridge measuring 9.4 kilometres, from the International Airport Island to the boundary of Hong Kong territorial waters. It will support a three-lane dual carriageway over Hong Kong's deep western waters. The Hong Kong - Zhuhai - Macao bridge is one of ten major infrastructure projects launched by the Hong Kong government since 2007.

## Tour MahaNakhon Tower in Bangkok, Thailand

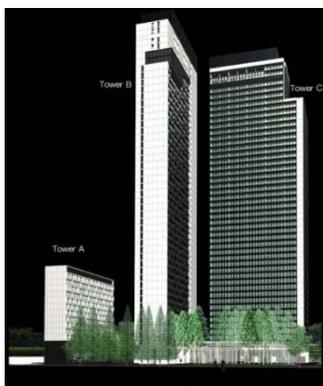


Bouygues Thai is constructing the MahaNakhon Tower, in the business district of Bangkok. The 77-storey building will be 314 metres tall, which will make it the country's tallest skyscraper when it is handed over, as well as the tallest ever built by Bouygues Construction.

It will contain a shopping centre, luxury apartments and a hotel.

- Start of works: August 2012
- Delivery: December 2015
- Value of the project: €52 m
- Architect: OMA

## Residential towers in Bangkok, Thailand



- Start of works: 3rd quarter 2012
- Delivery: 2016
- Total value of the project: nearly €100 m

Bouygues Thai is constructing three residential towers and an office block in the very fashionable business district of Ploenchit, in Bangkok. The three residential towers, which will have 14, 47 and 52 floors (180 metres), will contain around 1,450 apartments, ranging from one room to three rooms. The office building will have three storeys.

At peak periods, approximately 1,800 employees will be working on the site, which is situated in a very dense urban environment.

This project is the fourth collaboration between Bouygues Thai and Noble Development plc, proof of the customer's confidence in the Group.

## QP District in Qatar



Working alongside Qatari partners Midmac Contracting Company and Aljaber Engineering, Bouygues Bâtiment International is currently constructing a 700,000 m<sup>2</sup> real estate development in Qatar.

Located in the new West Bay business district in Doha, this huge development will include nine office towers ranging from 18 to 52 storeys, a 5-star hotel with over 400 rooms, a shopping centre, a conference centre and a mosque, as well as all the necessary car parks and other exterior facilities. The works are being carried out in a particularly difficult environment because of the cramped nature of the site.

- Start of works: September 2009
- Value: €950 m (60% Group share)

## V. A selection of prestigious projects

### France

#### The Philharmonie de Paris



- Start of works: March 2011
- Delivery: beginning of 2015.
- Value of project: €219 m (€107 m for Bouygues Bâtiment Ile-de-France)
- Architects: Ateliers Jean Nouvel

As part of a consortium, Bouygues Bâtiment Ile-de-France has completed work on the hall for the Philharmonie de Paris. This building is one of the first projects to be completed in the context of the Grand Paris urban renewal plan. It includes a 2,400-seat auditorium, eight rehearsal rooms, secondary performance spaces, a teaching centre and administrative offices.

The structure has been built on the hill of the La Villette park with a public pathway on the whole roof. The exterior is dominated by a 60 metre-tall giant screen which is used to publicise forthcoming performances. The building and gardens are being operated and maintained for 15 years by Cofely, a subsidiary of GDF Suez. The car parks will be managed by QPark.

#### Stade Vélodrome football stadium in Marseille



- Start of works: June 2011
- Delivery: summer 2014
- Value of the project: €267 m
- Architects: SCAU Architects and Didier Rogeon Architect

AREMA—a consortium whose members include Bouygues Bâtiment Sud-Est (previously GFC Construction) and Exprimm, subsidiaries of Bouygues Construction—has completed the reconfiguration of the Stade Vélodrome football stadium in Marseille and the surrounding area, under the terms of a public-private partnership. The stadium has been entirely modernised and brought into compliance with international standards, particularly with regard to Euro 2016. The configuration of the stadium now achieves UEFA's 5-star rating. Total spectator capacity will be increased to 67,000 from the current level of 60,000, including 6,000 VIP seats.

The stadium remained in operation during the entire period of building works, with space available for up to 42,000 spectators. The adjoining rugby stadium (the Stade Delort) was also redesigned. The partnership contract also includes the development of an adjoining 100,000 m<sup>2</sup> property complex which will comprise offices, a shopping centre, two hotels, a health centre, serviced apartments and housing. AREMA is also responsible for operating the Stade Vélodrome for 35 years.

## The Saint-Quentin-en-Yvelines Velodrome



- Start of works: July 2010
- Delivery: December 2013
- Total value: €74 m (for the construction works)
- Architects: Chabanne, Ralph Schuermann

In the context of a public-private partnership, Bouygues Construction has built the Saint-Quentin-en-Yvelines velodrome. The contract covered the finance, design and construction of a sports facility dedicated to cycling, as well as operation and maintenance for 30 years. The velodrome has a capacity of up to 5,000 people, including 3,500 on fixed seating. It includes the world's first 250-metre long, 8-metre wide cycle track with a constant radius of 23 metres. The French Cycling Federation has installed its headquarters in the building. The 35,000 m<sup>2</sup> project also includes the construction of the first covered BMX track in Europe, as well as a property development programme. This mainly consists in the construction of a hotel, accommodation for students and research workers, offices and shops.

The entire project will abide by the principles of sustainable development:

- Optimisation of energy needs and consumption according to the facility's operational cycles,
- Recovery of rainwater Protection of wildlife,
- Impact of the project on the local economy (local subcontracting and creation of 500 new jobs).

## Les Grésillons wastewater treatment plant (Triel-sur-Seine)



- Start of works: September 2008
- Delivery: March 2012
- Total value: €312 m (Bouygues Travaux Publics' share: €90 m)
- Architects: HB architects, Alain Farel, Atelier Acanthe

Bouygues Travaux Publics was responsible for earthworks and civil engineering for the plant, construction and fit-out of buildings, and the construction of roads and related works. Staff housing was also built for personnel of the Paris regional wastewater authority operating the plant. This second phase is a follow-up to the first phase that was completed by Bouygues Travaux Publics and inaugurated at the start of 2008. This tripled the size of the plant, increasing the treatment capacity from 100,000 m<sup>3</sup> to 300,000 m<sup>3</sup> of wastewater per day. It is now capable of handling the sewage discharged daily by the equivalent of a population of between 1.5 million and 2 million people. It is also capable of complying with very stringent standards of sewage treatment, in line with the objectives of the European Union's Water Framework Directive. Attesting to the quality of construction its very low environmental impact, the facility qualifies for High Environmental Quality (HQE) certification.

## First Tower, Paris La Défense



The renovation of the former Axa Building is part of a major programme to modernise the La Défense business district, in order to ensure that it continues to appeal to users and investors. It is a world first in terms of scale and technical complexity. The building comprised three wings, and originally stood 155 metres tall (40 storeys above ground); it was raised by ten storeys to reach a total height of 231 metres, making it the tallest building in France. One of the wings has been lowered, to achieve a 10-storey stepped cut-back. The floor space has been increased by roughly 10% to 87,000 m<sup>2</sup>. The entire structure has been reinforced and the building skin has been totally rebuilt with approximately 50,000 m<sup>2</sup> of glazing and curtain walling, including 30,000 m<sup>2</sup> of naturally ventilated double-skin facade. Designed and constructed with a far-reaching approach to sustainable development, the First Tower was awarded High Environmental Quality (HQE®) certification.

- Start of works: January 2008
- Delivery: March 2011
- Value: over €300 m
- Architects: KPF and SRA Architects

## Aubervilliers shopping centre (Paris region)



Bouygues Bâtiment Ile-de-France and Brézillon have built a large shopping centre in Aubervilliers, in the northern suburbs of Paris, for Icade and Klépierre. With a surface area of 56,000 m<sup>2</sup>, the complex, designed by architect Antoine Grumbach, also houses 20,000 m<sup>2</sup> of offices. Located near the Boulevard Périphérique (the inner ring road around Paris), it has been awarded high environmental quality (HQE®) certification. A 2,800 space car park has also been built. The complete complex stands in a pleasant setting designed by landscaper Michel Desvignes to reflect the themes of water and nature.

- Start of works: July 2008
- Delivery: March 2011
- Value: €212 m
- Architects: Antoine Grumbach

## Royal Monceau Hotel, Paris



Bouygues Bâtiment Ile-de-France has carried out a thorough refurbishment of the Royal Monceau, a celebrated luxury hotel in Paris with a floor area of 14,000 m<sup>2</sup>. The number of rooms was reduced from 220 to 150. The hotel also includes a spa/fitness centre which incorporates the largest hotel swimming pool in Paris, two restaurants, a ball-room, a cinema, a garden, 11 luxury apartments and a business centre. Philippe Starck is responsible for the interior design of the building.

This contract illustrates Bouygues Construction's know-how in constructing and refurbishing luxury hotels.

- Start of works: August 2008
- Delivery: October 2010
- Value of the project: €104 m (Group share: €36.3 m)
- Architect: Didier Poignant

## Tour Mozart + Bouygues Telecom technical centre, Issy-les-Moulineaux



As part of the Issy Mozart development project, Bouygues Bâtiment Ile-de-France constructed a 24-storey, 100 metre-tall office building which was awarded High Environmental Quality (HQE®) certification. The project also includes a 3-storey building called The Wave, which provides the main access to Mozart Tower. Thanks to the infrastructures already in place beneath the tower block and the third building of the Issy Mozart development, three underground floors house the service areas along with a 757-place car park. The complex became the headquarters of Bouygues Telecom. It won a first prize at the "Eco Building Performance 2007" exhibition.

- Start of works: January 2008
- Delivery: April 2010
- Total value of the project: €155 m
- Architect: Arquitectonica



Construction of a 57,000 m<sup>2</sup> technical centre for Bouygues Telecom, incorporating a 23,000 m<sup>2</sup> "green office". A wood-fired cogeneration boiler has been installed, which produces heat in the winter and generates electricity in the summer.

- Start of works: July 2007
- Delivery: September 2009
- Value of works: €134 m
- Architect: Valode & Pistre

## Oxygène Tower, Lyon



Bouygues Bâtiment Sud-Est (previously GFC Construction) and Bouygues Bâtiment Ile-de-France have completed work on the Oxygène Tower. The 28-storey skyscraper stands 115 metres tall, making it the second-tallest building in Lyon, after the Crédit Lyonnais Tower (known as "The Pencil"), which is 162 m tall. The Oxygène Tower provides 29,500 m<sup>2</sup> of office space. To improve energy performance, it has ventilated double-skin facades and most of the offices benefit from natural daylighting.

- Start of works: July 2007
- Delivery: March 2010
- Value of works: more than €100 m
- Architect: Arte Charpentier

## Women's, Children's and Haematology unit, Caen Teaching Hospital



Rouen-based Bouygues Construction subsidiary Bouygues Bâtiment Grand Ouest (previously Quille Construction) has completed the design and construction of the Women's, Children's and Haematology unit of Caen Teaching Hospital. Located on the "pearl coast" site in Caen, the 345-bed facility brings under one roof all services for mothers and children, currently spread out on different sites. Clinical haematology patients are also cared for in the new 4-storey block. This project, financed under the 2007 Hospital Plan, was concluded in the framework of a long-term hospital lease. Exprimm, the Group subsidiary specialising in facilities management, is responsible for the building's multi-technical maintenance, renewing facilities and operating services.

- Start of works: March 2006
- Delivery: April 2009
- Total value of the project: €70 m
- Architect: Architecture Studio

## The Couesnon Dam, Mont Saint-Michel



In order for Mont Saint-Michel (a UNESCO world heritage site) to become an island once again, Bouygues Bâtiment Grand Ouest (previously Quille Construction) carried out construction works, as a part of a consortium, on a new dam on the Couesnon River that flows into the bay. The dam should free the island from the stranglehold of the sand and marshes that surround it. In addition, the causeway and car park will be replaced by a bridge along which a shuttle will operate. Consortium for the civil engineering part: Bouygues Bâtiment Grand Ouest (authorised representative), Mastelloto.

- Start of works: March 2006
- Delivery: end of 2008.
- Total value of the project: €12 m

## The Thonon-les-Bains bypass



A consortium comprising several Bouygues Construction subsidiaries (DTP, specialised in land-based infrastructures, and Lyon-based Bouygues Bâtiment Sud-Est (previously GFC Construction) along with Perrier TP, carried out the works on the Thonon-les-Bains bypass.

- Start of works: January 2006
- Delivery: summer 2008
- Value of the project: €10 m

## Bridge across the River Loire



Bouygues Bâtiment Sud-Est (previously GFC Construction) and Bouygues Bâtiment Sud-Est (previously DV Construction), Bouygues Construction subsidiaries based in Lyon and Bordeaux respectively, were members of a consortium that built a 270 m long suspension bridge on the re-routed RD 498 highway, near the town of Saint-Just-Saint-Rambert (Loire). The structure crosses the river without any intermediate support in the riverbed.

To ensure the structure is integrated into the environment, natural habitats have been preserved, embankment vegetation has been protected and environmental impact kept to a minimum.

- Start of works: January 2006
- Delivery: March 2008
- Value of works: around €10 m

## Zenith concert hall, Strasbourg



Bouygues Bâtiment Nord-Est (previously Pertuy Construction), a Bouygues Construction subsidiary based in Nancy, built the Zenith arena in Strasbourg. Elliptical in shape, this huge concert hall is modular to allow for seating capacities ranging from 1,800 to 10,000.

This innovatively designed architectural project, with walls that can be tilted at varying angles, is draped from the outside with a tensioned orange glass fibre membrane. With a single 100 m span, the metal frame eliminates the need for interior supporting columns.

- Start of works: March 2006
- Delivery: December 2007
- Value of contract: €50 m
- Architect: Massimiliano Fuksas

## A28 motorway between Rouen and Alençon (now in operation)



Design, construction and operation as a concession of the stretch of the A28 motorway linking Alençon and Rouen. Completed in 2005, the stretch is now being operated by Alis, a company in which Bouygues Construction is a shareholder, for a period of 62 years. The 125 km-long four-lane stretch of motorway incorporates 103 engineering structures, two viaducts, interchanges with the A13 and A88 motorways, lay-bys and parking zones, service stations, an operations centre and a maintenance zone.

- Delivery: October 2005
- Period of concession: 62 years
- Total value of the project: €700 m

## The Stade de France, Saint-Denis



Design, construction, operation and maintenance of a stadium with 80,000 covered seats and a total of 36,000 m<sup>2</sup> of net usable surface. Built on a 14-hectare site, the Stade de France features an elliptical disk-shaped roof suspended 42 metres above the pitch. The playing surface is sunk below natural ground level, reducing the external height of the imposing stadium.

To create space for an athletics track, the lower stands, which consist of 10 metal and concrete structural elements, are mobile and can be pushed back 15 metres under the upper section, via a system comprising sliding supports and air cushions. The stands maximise the number of spectators seated along the length of the pitch, where visibility is best.

Outside the stadium, a 4-hectare plaza and a ramp give ground-level access to 25,000 seats, while the remaining seats are reached via 18 stairways located on the exterior of the building. These stairways also lead to a circular gallery offering a panoramic view of Sacré-Coeur in Montmartre and the St Denis Basilica. The Stade de France has 148 boxes and 6,000 VIP seats, 2,000 m<sup>2</sup> of office space, a 2,000 m<sup>2</sup> multi-purpose hall, three restaurants including one with a panoramic view, 50 bars, boutiques and 6,000 parking spaces. There is also 7,500 m<sup>2</sup> of space separated into seven events rooms ranging from 300 m<sup>2</sup> to 1,940 m<sup>2</sup>.

- Start of works: January 1995
- Delivery: November 1997
- Value of contract: €300 m
- Architects: Michel Macary, Aymeric Zublena, Michel Regembal, Claude Costantini

## The Pont de Normandie Bridge



Construction of a 2.1-kilometre cable-stay bridge across the Seine estuary between Honfleur (Lower Normandy) and Oudalle, near Le Havre (Upper Normandy). The consortium of civil works companies forming the Pont de Normandie EIG (Economic Interest Group) agreed to meet the challenge set by customer, the Le Havre Chamber of Commerce and Industry, of building a bridge with an 856 m-long central span, 80% longer than the previous world record.

- Start of works: May 1990
- Delivery: January 1995
- Value of contract: €140 m

## The Parc des Princes stadium, Paris



The construction of the stadium required the installation of a giant elliptical shell assembled from precast concrete segments. Assembled on-site with the use of synthetic resins, they were installed with prestressing.

The stadium has a capacity of 50,000 spectators, with 25 kilometres of tiered seating on stands covering two levels.

- Start of works: January 1968
- Delivery: January 1972
- Value of contract: €15 m
- Architect: Roger Taillibert

## International

### Trade and Industry Tower, Hong Kong



- Start of works: January 2012
- Delivery: 2015
- Value of works: around €207 m

Dragages Hong Kong has completed the design and construction of a new office tower known as the Trade and Industry Tower.

This 22-storey building, which offers roughly 67,000 m<sup>2</sup> of floor area, will house various departments of the Ministry of Trade and Industry.

The tower will implement high environmental standards and will seek to qualify for LEED gold certification. Landscaping is a crucial part of the project. In all, more than 30% of the total site area will be planted.

### Abidjan Bridge, Côte d'Ivoire



- Start of works: September 2012
- Delivery: 2014
- Value of works: €232 m

Bouygues Travaux Publics, as the leading firm in the Socoprime project company, is responsible for the design and construction of a 6.4-kilometre highway in Abidjan, Ivory Coast, along with operation and maintenance for 30 years.

This project, in which the construction works represent a total of €232 million, is one of the very first concessions in West Africa.

The highway will incorporate the third Abidjan bridge (the Henri Konan Bédié bridge), 1.5 kilometres long, and the Valéry Giscard d'Estaing interchange. The Henri Konan Bédié bridge will consist of two three-lane carriageways over 1.5 kilometres. It will link two of the city's major districts, Riviera (in the north) and Marcory.

When completed, 100,000 vehicles per day will be able to use the new road infrastructure.

## Sports Hub, Singapore



- Start of works: September 2009
- Delivery: April 2014
- Value: €770 m (Group share)

As a member of the SHPL consortium<sup>3</sup>, Dragages Singapore won a contract for the Singapore Sports Hub. This public-private partnership covers the financing, design and construction of the sports facility, plus facilities management for 25 years. It is the world's largest PPP contract for a sports infrastructure.

The Sports Hub is a huge integrated sports and leisure complex located on a 35-hectare site. Among the facilities are the 55,000-seat New National Stadium, an aquatic centre, a multi-sports hall, the existing Singapore Indoor Stadium, an exhibition centre, a sports museum and sports federation offices, plus 41,000 m<sup>2</sup> of shopping and dining facilities.

## The Tangiers Med 2 container port, Morocco



- Start of works: Summer 2010
- Delivery: 2014
- Total value of the project: €825 m (Group share: €335 m)

After completing the Tangiers Med 1 port complex and the roll-on/roll-off port, Bouygues Travaux Publics and Bymaro (subsidiaries of Bouygues Construction) are now constructing two new container port terminals (Tangiers Med 2), which will offer additional capacity of 5.2 million containers. The operation for the Tangiers Mediterranean Special Agency is being carried out by a consortium which also includes Saipem, Besix and Somagec. The consortium will be responsible for building a 3,700-metre long main breakwater and a 950-metre secondary breakwater, 2,800 metres of quay, and a 150-hectare logistics platform. The breakwaters will primarily be constructed with the use of precast four-lobed caissons and piled up rocks protected by Accropodes™. The caisson technique has a number of advantages, above all that of considerably reducing environmental impact as it reduces both the footprint of the project and the volumes of materials used.

<sup>3</sup> Dragages Singapore (lead partner), HSBC Infrastructure Fund III (an investment fund managed by the HSBC group and specialised in PPP projects), United Premas (a Singapore-based facilities management company ranked No 1 in South-east Asia, a subsidiary of Australia's UGL Limited) and Global Spectrum Pico Pte Ltd (a subsidiary of the US company Comcast Spectator, specialised in venue management)

## Kai Tak cruise terminal, Hong Kong, China



- Start of works: May 2010
- Delivery: end of 2013
- Value: €490 m

Dragages Hong Kong was responsible for designing and constructing a harbour terminal for cruise ships, along with supporting facilities, in Hong Kong. The installation, which is located to the south of the former runway of Kai Tak airport, is capable of simultaneously berthing two 8,000-passenger mega cruise liners.

Designed by architects Foster + Partners and Wong Tung & Partners, the building consists of a three-storey open plan landscaped structure. The absence of columns allows highly modular use of space.

The project complies with the demands of Hong Kong BEAM certification with regard to the precepts of sustainable construction, combining energy saving measures with a focus on the building's long-term performance: reduced energy consumption, renewable energies, recycling, etc.

## Rolex Learning Center, Switzerland



- Start of works: August 2007
- Delivery: September 2009
- Total value of the project: €56.5 m

Losinger Marazzi, the Swiss subsidiary of Bouygues Construction, built a 35,000 m<sup>2</sup> university campus at the point of entry to the EPFL (Ecole Polytechnique Fédérale de Lausanne). The most up-to-date virtual and physical technologies were employed to construct this facility for students. The project, designed by the Sanaa architectural practice, incorporates a library, a training zone, social areas (including a self-service cafeteria and a more elegant restaurant, a function room, shops, etc.), cultural spaces and service areas (machine rooms, car parks etc.). The "wave-shaped" architectural concept constituted a major technological challenge; it consists of two superimposed arched shells with openings, the longer of them spanning 80 metres. The site has been awarded the Minergie label, certifying the energy efficiency of the building.

## Roll-on/roll-off port, Tangiers, Morocco



- Start of works: June 2007
- Delivery: summer 2009
- Total value of the project: €150 m (Group share: €100 m)

After completing the Tangiers container port in summer 2006, Bouygues Travaux Publics and Bymaro (the local Moroccan Bouygues Construction subsidiary) constructed a new port terminal in Tangiers. The operation was carried out as part of a consortium with Saipem on behalf of the Special Tangiers Mediterranean Agency. The consortium built two 1,230-metre breakwaters, eight ferry berths and a 42-hectare logistics area.

The main breakwater consists of 23 precast caissons plus Accropodes™. The use of precast caissons not only decreases the environmental impact of the project, as it reduces the footprint of the project and the volumes of materials used, but also shortens the construction time.

### Broomfield Hospital, United Kingdom (now in operation)



- Start of works: February 2008
- Delivery: August 2010
- €200 m (construction) + €180 m (operation and maintenance)

Bouygues Construction's British subsidiaries built Broomfield Hospital (in south-east England, near London). This Private Finance Initiative (PFI) provided for the refurbishment of the existing hospital and extended it to 43,000 m<sup>2</sup>. It also covered the installation of network infrastructure and of all medical equipment.

The new hospital includes more than 330 beds, five operating theatres, three endoscopy rooms, a maternity unit with two operating theatres and a neonatal intensive care unit. Bouygues UK carried out all the construction work and Ecovert FM will provide facilities management services for 33 years (building maintenance, energy and utilities management, laundry, catering, etc.).

### Busan Harbour, South Korea (now in operation)



- Start of works: January 2008
- Delivery: end of 2011.
- Total value: €703 m (Bouygues Travaux Publics share: €250 m)

Bouygues Travaux Publics, along with partners Hyundai Development Company, CMA CGM, KMTC, Kukje Transportation Co Ltd, and KCTC, as well as BPA (Busan Port Authority) and Macquarie Korea Infrastructure Fund, signed a construction and 30-year concession contract in January 2008 for one package of South Korea's new Busan Harbour. The new harbour project is divided into four packages, to be built and operated by four different concession companies. It replaces the previous Busan port, which was located in the centre of the city, and will be better able to respond to strong growth in maritime container traffic.

Located on South Korea's south-eastern coast, it is well placed to serve local and international markets, particularly China. As part of its package, the Group was responsible for design and civil works, along with the supply of handling facilities (container gantry cranes and other harbour cranes, shuttle carriers, etc.). The first phase consisted in treating the ground and carrying out extensive earthworks to reclaim 84 hectares of land from the sea. Concrete caissons were then installed to form the four quays at which container ships berth. All the equipment (gantries, cranes and shuttle carriers) is fully automated.

## Gautrain rapid rail link, South Africa (now in operation)



- Start of works: September 2006
- Delivery: 2012
- Value of work: €1.2 bn (of which €550 m for Bouygues Construction)

Bouygues Travaux Public, a member of the Bombela concession company, has carried out the civil works for the Gautrain Rapid Rail Link project. This Public-Private Partnership contract covers the financing, design, construction, operation and maintenance of the rail network. The project is intended to alleviate traffic congestion between Johannesburg and Pretoria. The journey time between Johannesburg and the international airport is shortened to less than 15 minutes. A bus network complements the rail system, providing a distribution and feeder service for passengers within a 10-kilometre radius of the stations. The first section of the network links Sandton to the OR Tambo international airport, and the second runs between Pretoria (Hatfield) and Johannesburg.

The 80-kilometre rail system incorporates 15 kilometres of tunnels, 11 kilometres of viaducts and bridges and 10 stations (three of which are underground). It will also include a maintenance depot, a traffic control centre and 11,000 parking spaces in close proximity to the stations, to attract potential users of the new rail link.

All the construction works are guided by an Environmental Management Plan (EMP), with the replacement of trees removed, monitoring of noise levels, dust management, etc. As part of a social and economic development programme for Gauteng province, virtually all the site workers have been hired locally. A large number of indirect jobs have also been created. In addition, a major skills transfer programme has been put in place, targeting small and medium-sized enterprises and local communities.

## Home Office, London (now in operation)



- Start of works: March 2002
- Delivery: January 2005
- Total value of works: €325 m
- Total value of operation/maintenance: €15 m per year (approx. €380 m in total)
- Architect: Terry Farrell

Bouygues UK and Ecovert FM, Bouygues Construction's British subsidiaries, carried out the Home Office project in London.

The project consisted in demolishing three towers built in the 1960s in the heart of London, and replacing them with the new headquarters of the Home Office, capable of accommodating roughly 3,500 civil servants in 55,000 m<sup>2</sup> of office space. The project also included the design and construction of a residential complex (combining social housing, luxury flats, shops and a day-nursery) adjacent to the Home Office. Full facilities management services will be supplied by Ecovert FM for a 26-year period.

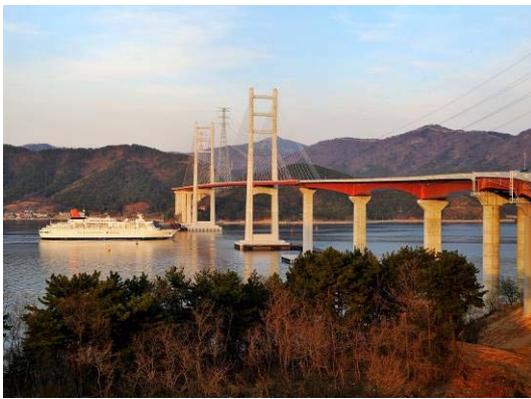
## The Dubai elevated metro



VSL, the Bouygues Construction subsidiary specialising in post-tensioning and cable-stay bridges, carried out the construction work on the Red Line, the elevated metro line crossing Dubai. In a joint venture with Freyssinet International and Rizzani de Eccher, VSL precast 13,000 voussoirs for the viaduct and erected them over a distance of 45 km, using eight launching girders.

- Start of works: March 2006
- Delivery: September 2008
- Total value of the project: €110 m

## Masan Bay Bridge, South Korea



Bouygues Travaux Publics performed the construction work for the Masan Bay Bridge in South Korea, in a joint venture with Korea's Hyundai Engineering Corp. The contract covered the financing, design and construction of the bridge. Located at the entrance to Masan Bay, in the south-east of the country, the bridge allows motorists to avoid the congested motorway that skirts around the bay to Busan, the second largest industrial city in South Korea. With a total length of 1,700 metres, it is the second longest bridge in the country. The steel and concrete structure comprises a 740 metre-long cable-stayed bridge and two raised access roads, 410 and 550 metres long respectively.

- Start of works: April 2004
- Delivery: mid-2008
- Total value of the project: €250 m

## Sail@Marina Bay



Bouygues Bâtiment International built the Sail@Marina Bay residential complex in Singapore. Located on the seafront in the business district, it comprises two 71- and 63-storey towers. Standing at 245 and 215 metres, they are the tallest residential towers in the country and the tenth highest in the world.

They house 1,111 luxury apartments, three pools, two tennis courts and a car park. The original architecture, in the form of sails, features 80,000 m<sup>2</sup> of glazed facades. The towers, plumb with a metro line, were built on land reclaimed from the sea, which needed special foundations to be built at a depth of 80 metres.

- Start of works: February 2005
- Delivery: mid-2008
- Total value of the project: €140 m
- Architects: NBBJ, Meinhardt Thailand Ltd

## Tangiers Commercial Port (Tangiers Med I), Morocco



- Start of works: June 2003
- Delivery: summer 2007
- Total value of the project: €225 m

Bouygues Travaux Publics and Bymaro, subsidiaries of Bouygues Construction, won a contract in partnership with Saipem to design and construct the Tangiers-Mediterranean deepwater commercial harbour. The project was carried out on behalf of the Tangiers Mediterranean Special Agency (TMSA). Following the international call for tenders issued by TMSA in October 2002, Bouygues Construction was appointed to build the breakwaters, dredge the sea floor and reclaim land for the new Tangiers-Mediterranean port. The company was chosen as a result of a technical alternative proposed by its engineering teams: a breakwater made up of approximately forty precast reinforced concrete caissons in areas where the sea is more than 20 metres deep. This alternative had a number of advantages: it increased the surface area of harbour water by almost 18 hectares and reduced environmental impact by diminishing the footprint of the works and the volumes of materials used. Additionally, it resulted in a shorter construction time.

## Groene Hart Tunnel, the Netherlands



- Start of works: start of 2000
- Delivery: end of 2005.
- Total value of the project: €430 m (Bouygues Construction share: €370 m)

Bouygues Construction, constructed the Groene Hart tunnel (the Netherlands) in partnership with the Dutch company Koop. The Group proposed an innovative solution to the Dutch Ministry of Transport and its prime contractor, HSL Zuid: a single-tube, two-lane tunnel over 7 kilometres long. This system offered many safety advantages and met the very strict environmental constraints required for building the Rotterdam-Amsterdam extension of the high-speed railway in the protected Groene Hart (green heart) area. This line, commissioned in 2005, enables trains to connect Amsterdam to Paris in only 3 hours and 15 minutes.

### Vancouver Hospital, Canada (now in operation)



- Start of works: October 2008
- Delivery: mid-2011
- Value: over €230 m (€168 m for design/build and €65 m for operation and maintenance)

In October 2008, Bouygues Bâtiment International signed a 30-year concession contract for the financing, design, construction and operation/maintenance of a hospital building in Surrey, British Columbia (Canada).

This public-private partnership operation is Bouygues Construction's very first building contract in North America. The 30,000 m<sup>2</sup> building incorporates facilities for outpatient consultations and day-surgery operations. ETDE, in partnership with the Helios group, is responsible for all facilities management services for the building throughout the 30-year period of the concession.

### Highway 2000, Jamaica (now in operation)



Bouygues Construction constructed the 34-kilometre stretch of motorway linking Kingston, capital of Jamaica, and Mandeville, a bauxite mining town in the west of the island. The concession company, Highway 2000, will be responsible for operating and maintaining the infrastructure until 2037.

- Start of works: February 2002
- Delivery: end of 2004.
- Total value of the project: €330 m

### Istria motorway, Croatia (now in operation)



- Start of works: 1997
- Delivery of final phase: 2007
- Total value of the project: €270 m

Bouygues Travaux Publics constructed the Istria motorway in Croatia in three distinct phases:

#### **Phase 1A**

Design and construction of a two-lane motorway, 42 kilometres long. Works carried out by Bouygues Travaux Publics consisted of earthworks and drainage, construction of engineering structures and roadway, along with the restoration of the network of local access roads, as well as the civil works required for the toll plazas, service stations and rest areas. The company was also responsible for bringing the road equipment into service.

#### **Phases 1B1 and 1B2**

Construction of a 42-kilometre two-lane motorway consisting of six interchanges, a toll plaza, rest areas, a 1,376-metre launched bridge and 25 engineering structures.

#### **Phase 1B3**

13 km of two-lane expressway between Vodnjan and Pula. 19 engineering structures will be built on this stretch.

## The Channel Tunnel (France / United Kingdom)



Joining France and Britain, the Channel Tunnel provides a completely underground 50-kilometre link, 37 kilometres of which is under the sea. Bored at a maximum depth of 40 m, the cross-Channel "fixed link" consists of two 7.60 m-diameter single-track tunnels (one in each direction) and a central service tunnel (4.80 m in diameter) for maintenance, ventilation and safety. The two underground switching halls, which allow trains to transfer from one tunnel to the other, are the largest of their type in the world.

Bouygues played a key part in boring the tunnels from the French side.

The Channel Tunnel is the longest undersea tunnel ever constructed using TBMs.

- Start of works: August 1986
- Delivery: October 1993
- Total value of the project: €11.5 bn

## University of Riyadh, Saudi Arabia



This turnkey university complex is one of the world's largest. It includes 1,865 laboratories and 10,000 study rooms. In particular, it incorporates:

- eight teaching buildings, fully equipped with laboratories, classrooms, accommodation and administration facilities dedicated to the various disciplines,
- eight specialised buildings, including a forum, two auditoriums, a library, two administrative and academic buildings, an audiovisual centre, two amphitheatres and a restaurant.

The buildings are interlinked by 1.5 km of pedestrian walkways, 20 metres wide. With open sides giving onto the surrounding area, they are roofed with monumental arcades.

- Start of works: July 1981
- Delivery: December 1984
- Total value of the project: €2.6 bn
- Architect: HOK

For information on more of the Group's past projects, visit our website:  
<http://www.bouygues-construction.com/en/achievements>

## VI. Bouygues Construction entities

### 1/ Bouygues Bâtiment Ile-de-France



**Turnover in 2014: €2,614 million**  
**New orders in 2014: €1,883 million**  
**5,920 employees**

The Paris region market leader in the construction sector, Bouygues Bâtiment Ile-de-France offers recognised expertise, for new-build or renovation work, in four major areas: public facilities, private commercial structures, housing or civil engineering. It develops overall expertise for its customers through the specialisation of its operational units and its subsidiaries: Rénovation Privée, Construction Privée, Habitat Résidentiel, Ouvrages Publics, Habitat Social and Brézillon.

Its offer is completed by Sodéarif for property development, Elan for project management, and Cogemex for residential maintenance.

Through its organisation and its expertise it offers each of its customers appropriate high performance solutions, regardless of the complexity and scale of their projects.



- Main deliveries in 2014: Paris zoological park, Molitor swimming complex in Paris (opposite), Esplanade de l'Europe residential complex in Montmorency, renovation of the Athéna tower in La Défense, etc.
- Projects under way: City of Music on Seguin Island in Boulogne-Billancourt, Ministry of Defence, Philharmonie de Paris and Paris Law Courts, the Laennec district in Paris, Sanofi campus in Gentilly, Eole offices in Montrouge, etc.
- Contracts: renovation of Paris-Bercy Sports Complex, Boulevard Ornano real estate complex in Paris

### 2/ Bouygues Entreprises France-Europe



**Turnover in 2014: €2,202 million**  
**New orders in 2014: €2,145 million**  
**5,200 employees**

Bouygues Entreprises France-Europe consists of subsidiaries operating in the building sector in France (excluding the Paris region) and in the adjacent countries of Western Europe.

Bouygues Bâtiment Nord-Est, Bouygues Bâtiment Grand Ouest, Bouygues Bâtiment Centre Sud-Ouest, Bouygues Bâtiment Sud-Est, Bouygues Bâtiment Outre-Mer, Bouygues Belgium, Losinger Marazzi (Switzerland), Richelmi (Monaco) and Acieroid (Spain), partners in the Cirmad property development network, take charge of projects from the design and finance stage through to delivery.

Working in close proximity to their customers, they benefit from a strong policy of synergy: pooling of material resources, common purchasing structure and training centre, and networks of competence specialising in healthcare, universities, prisons, etc.)



- Main deliveries in 2014: Zölly residential tower in Zurich, Amiens hospital complex, Bordeaux municipal centre (PPP, opposite), Stade Vélodrome football stadium in Marseille, Eikenøtt eco-neighbourhood (Switzerland), etc.

- Projects under way: Schools in Loiret, Erlenmatt eco-neighbourhood in Basel and Im Lenz in Lenzburg (Switzerland), Bourgogne and Bordeaux I Universities, Strasbourg Music and Conference Centre, Boulevard des Dames in Marseille, Orleans and Belfort Montbéliard Hospitals, Incity Tower in Lyon, Saint-Omer leisure centre, schools in Pont-à-Mousson (PPP), URM (Casualty/Reanimation/Medical unit) in Toulouse, Regional Hall in Clermont-Ferrand, etc.



- Contracts: Teaching hospitals in Strasbourg, Lyon Saint-Exupéry airport, Prado shopping centre in Marseille, etc.

### 3/ Bouygues Bâtiment International



**Turnover in 2014: €2,887 million**

**New orders in 2014: €2,658 million**

**17,700 employees**

For more than 40 years, Bouygues Bâtiment International has been creating social amenities in many parts of the world and for many cultures. The company is present on every continent through a network of local subsidiaries that call on a wide range of expertise at Group level.

The strengths of Bouygues Bâtiment International reside in technical and commercial innovation, managing complex projects, risk management, and acknowledged leadership in sustainable construction.

Its strategy is largely based on its capacity for rapid deployment, to enable it to seize commercial opportunities in mature markets or the most dynamic regions.



- Main deliveries in 2014: Sculptura Ardmore Park residential complex and the Sports Hub complex in Singapore (opposite), the Ashgabat Conference Centre in Turkmenistan, Laguna del Este 3 hotel in Cuba, etc.

- Projects under way: Swansea University (UK), Zagreb airport (Croatia), Star City residential complex (Myanmar), Australian Embassy (Thailand), Queen Charlotte Hospital (Canada), Brickell City Centre property development (USA), ELI Beamlines research centre (Czech Republic), Les Terrasses de Dar Essalam residences (Morocco), National oncology centre (Trinidad & Tobago), etc.

- Contracts: Ridge Hospital in Accra (Ghana), Czech IT, robotics and cybernetics institute Prague, etc.



## 4/ Bouygues Travaux Publics



**Turnover in 2014: €1,447 million**

**New orders in 2014: €2,216 million**

**2,930 employees**

Bouygues Travaux Publics carries out complex viaducts and engineering structures, underground work, tunnels and civil engineering both in France and abroad. It works particularly in the areas of energy and the environment, and engineering structures as well as road, rail and port infrastructures.

Through its specialisation in large scale projects and organising PPP projects, its development is focussed on highly technical projects with major added value. To undertake these large scale projects, the company depends on long lasting installations (in France, Switzerland, Hong Kong and Australia) and its subsidiary specialised in dismantling and maintaining nuclear facilities: Bouygues Construction Services Nucléaires.

- Main deliveries in 2014: Tangiers Med II port (Morocco), Henri Konan Bédié bridge (Côte d'Ivoire), port of Miami tunnel (USA, opposite), roofing over the tracks at Gare d'Austerlitz in Paris, etc.

- Projects under way: Nimes-Montpellier rail bypass, Flamanville EPR power station, LNG reservoirs in Dunkirk, Chernobyl containment sarcophagus (Ukraine), line 3 of the Cairo underground railway (Egypt), XRL 820/821 tunnels (Hong Kong), Hong Kong-Zhuhai-Macao motorway bridge, L2 bypass in Marseille, viaduct for the new Coastal road on Reunion Island, Tuen Mun-Chek Lap Kok tunnel (Hong Kong), etc.

- Contracts: Shatin to Central Link tunnel in Hong Kong, Troissereux bypass, extension tunnel on line 14 of the Paris Metro, etc.



## 5/ VSL



**Turnover in 2014: €401 million**

**New orders in 2014: €433 million euros**

**3,860 employees**

A world leader in its field, VSL operates all around the world in the projects that employ post-tensioning systems in structures that are slender or under great stress. VSL also operates on other high added-value markets, particularly cable-stay bridges, major civil engineering projects, overhead urban viaducts, ground improvement techniques and the development of technological activities in the field of construction.

With a network of local subsidiaries established in 35 countries, VSL operates an ambitious R&D policy. With a large portfolio of patents, to its credit, the company focuses chiefly on the development of post-tensioning systems and on cables, anchors and cable ties for cable-stay bridges.





- Main deliveries in 2014: Marina Bay Footbridge in Singapore, Oyala Bridge 7 in Equatorial Guinea (opposite), etc.
- Projects under way: Klang Valley Mass Rapid Transit Viaduct in Kuala Lumpur (Malaysia), Hong Kong – Zhuhai – Macao motorway bridge, Hô-Chi-Minh-Ville underground railway (Vietnam), Hung Hom Station (Hong Kong), renovation of the Tarban Creek Bridge in Sydney (Australia), Forth Bridge in Edinburgh, Scotland, SBK Line in Jakarta, Malaysia, etc.
- Contracts: New Orbital Highway contract 3 in Qatar, PTT LNG reservoirs in Thailand, etc.

## 6/ DTP



**Turnover in 2014: €496 million**  
**New orders in 2014: €306 million**  
**3,800 employees**

As a global player in complex landscaping, linear works and open cast mines, DTP operates in France and abroad, offering a diversified range of expertise applied for a variety of highly technical projects from small-scale local sites to the design and construction of roads, motorways, high-speed rail links to landscaping and opencast mining.

Its development is based in four types of operations: works carried out by agencies in France, major linear works, particularly in public-private partnerships (PPPs) and concessions, large-scale works abroad, and the operation of open-cast mines. In the upstream phase, DTP contributes its technical engineering, finance and environmental assistance for projects. The company has an ambitious sustainable construction policy that operates through its methods for preserving natural resources, its biodiversity offer, and the optimisation of its equipment to limit environmental impact.

- Main deliveries in 2014: roads Ndjolé-Médoumane (Gabon) and Figuil-Magada (Cameroon, opposite), widening the A71 motorway, etc.

- Projects under way: Nimes-Montpellier rail bypass, A304 motorway, operation of mines in Kibali in the Democratic Republic of the Congo, Tongon (Côte d'Ivoire) and Goukoto (Mali), L2 ring road in Marseille, renovation of the runways at Orleans airbase, transformation of the A71 in Clermont Ferrand from 2 to 3 lanes, roads in Sarh-Kyabé (Chad) and Kinkala-Mindouli (DRC), renovation of the Ngaoundéré Garoua road (Cameroon), extension of the Morila mine (Mali), etc.



- Contracts: Kinkala Mindouli road in Congo Brazzaville, Troissereux road bypass (Picardy), etc.

## 7/ Concessions Division



**Revenue 2014: €583 million**  
**840 employees**

The Concessions division manages and operates the concession companies in which Bouygues Construction has an interest.

Operating both in France and a number of other countries, the Concessions division is involved in managing a variety of infrastructure projects that facilitate the transportation of goods and people (motorways, bridges, tunnels, railways, buses, tramways, etc.) or provide amenities for leisure activities (stadiums, etc.).

It also contributes know-how to the start-up of new projects to be operated as concessions, enabling the Group to deliver a range of technical skills in design, finance, legal affairs and construction.



- Highlights from 2014:

Opening of Miami tunnel, the Stade Vélodrome football stadium in Marseille, and the Henri Konan Bédié Bridge in Abidjan

Increase in traffic on the A28 and A41 motorways (opposite), the Newcastle tunnel, the Gautrain railway line in South Africa and Busan port in South Korea.

Closing of the Troissereux deviation and the Vichy bypass

## 8/ Bouygues Energies & Services



**Turnover in 2014: €1,677 million**  
**New orders in 2014: €2,082 million**  
**12,630 employees**

Bouygues Energies & Services designs, installs, maintains and operates power and network infrastructures and provides tailored services that enable its customers to combine economical energy consumption with a high-quality lifestyle and working conditions for their users.

Bouygues Energies & Services operates everywhere that regions, cities, homes and workplaces are undergoing change, striving to make life for its customers and their users simpler, more comfortable, cheaper and more responsible. It delivers these benefits through its expertise in energy performance and high value-added services in its three principal business areas: energy and digital networks, electrical, HVAC and mechanical engineering, and facility management.



- Entered into operation in 2014: Paris zoological park (opposite), Alstom sites in France, Italy and the UK, Bordeaux municipal centre, etc.

- Projects under way: street lighting and traffic lights energy performance contract in Paris, French Ministry of Defence, maintenance of Exxon and Chevron petrochemical sites in Normandy, photovoltaic power stations in Landes, L2 bypass in Marseille, Boute-Trans subterranean power line, broadband network in Oise, Saint-Martin power station, air-conditioning for Paris-Bercy Sports Complex, connection of the Total oil terminal in Djéno (Congo), etc.



- Contracts: electrical and thermal engineering for Airbus Helicopters offices in Bourget, high-voltage power line in Mozambique on behalf of Vale, etc.

## VII. Press contacts



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