

July 2016

## Main international contracts obtained in 2015 by geographical area



**BOUYGUES CONSTRUCTION**  
**COLAS**  
**EIFFAGE**  
**EUROVIA**  
**FREYSSINET**  
**RAZEL-BEC**

**SADE**  
**SOLETANCHE BACHY**  
**SPIE**  
**SUEZ-TREATMENT INFRASTRUCTURE**  
**VEOLIA WATER TECHNOLOGIES**  
**VINCI CONSTRUCTION**

## MAIN INTERNATIONAL CONTRACTS OBTAINED IN 2015

- By geographical area -

July 2016

### EUROPE

#### Armenia

- **SADE** : drinking water supply, HDPE pipe (35,000 lm), steel pipe (3,000 lm), irrigation (2,000 lm), reservoirs (3 u) - €9m

#### Belarus

- **Bessac (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : manufacturing of a tunnel boring machine (earth pressure balanced tunneling machine with a length of 1,550 m and 5.4 m in diameter) and technical assistance for the metro of Minsk - €11.3m



#### Belgium

- **Bessac (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : UCCLE, stormwater tank tunnel (1,300 m in length and 4.66 m in diameter) with a closed excavating arm compressed air tunneling machine - €14m
- **Duchêne - De Graeve (EIFFAGE)** : design and build of a 10,000 sqm covered structure in Louvain-la-Neuve for Sofinpro. Intended training center of the high-level sportsmen with 200 meter track, 60 meter straight line and 8 corridors of sprint. The planned stands can welcome 2,500 spectators - €15m



- **SADE** : Anderlecht, construction of the Neerpedebeek sewer - €2.863m
- **SPIE Belgium (SPIE)** : Tihange 2015, maintenance works, networks and electricity for Electrabel - €6.5m
- **SPIE Belgium (SPIE)** : Brussels, electrical works cable scales installation in the subway - €6m
- **SPIE Belgium (SPIE)** : Antwerp, works maintenance of piping systems for Total Raffinaderijn - €5.2m



- **SPIE Belgium (SPIE)** : Tournai, HVAC works for Ambroise CHU - €4.7m
- **SPIE Belgium (SPIE)** : Brussels, electrical works for low currents in the subway - €3.5m
- **SPIE Belgium (SPIE)** : Brussels, HVAC works for the bank ING - €3.3m
- **SPIE Belgium (SPIE)** : Geel, electrical and piping works maintenance for Janssen Pharmaceutica - €3.1m



- **Valens (EIFFAGE)** : construction of *The One* tower in Brussels for Brussels Europa. With 94 meters high, the tower will be on 23 levels and include 29,511 sqm offices, 97 housing on 9,257 sqm, 850 sqm shops and 160 parking spaces on 7,600 sqm (3 underground levels) - €30.2m



- **Valens (EIFFAGE)** : construction of a property complex in the historic centre of Brussels for Ilot Sacré Constructions. On 2,500 sqm, the project plans 6,000 sqm of floor area with 22 plots for students, 29 housing, 2 houses, a caretaker's office, 2 shops, 24 parking spaces and 65 bike places - €11.4m



## Croatia

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- **SUEZ-Treatment Infrastructure / STRABAG** : design and construction of four wastewater treatment stations, equipped with membrane bioreactors for a total capacity of 137,500 PE, for the city of Porec. The treated water will be reused for agricultural irrigation. The project also provides for the construction of an additional 62 km of wastewater networks, the rehabilitation of 23 km of the existing network and the construction of 52 pumping stations. The sludge from the treatment of the wastewater will be recovered after solar drying composting in units supplied by SUEZ
- **SUEZ-Treatment Infrastructure / Gradnja Osijek** : design and construction of a wastewater treatment plant with a capacity of 40,000 m<sup>3</sup>/d to treat the wastewater of Croatia's fourth-largest city (170,000 PE). The station, which will treat carbon pollution, nitrates and phosphates, will be equipped with an anaerobic digester and a system to dehydrate sludge and recover it as energy
- **SUEZ-Treatment Infrastructure** : contract with the city of Vukovar to supervise the construction of a wastewater treatment network and a wastewater treatment plant, and the renovation of the water distribution network. In total, 100 km of wastewater network, 25 km of water supply network and one wastewater treatment plant will be built for a population equivalent of 42,000

## Czech Republic

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- **COLAS** : Praha, Havarie PVK, repairs of water pipes - €22m
- **Eurovia CS (EUROVIA)** : rail infrastructure maintenance on the line between Bludov and Jeseník and rebuilding of the superstructure, including railway bridges, culverts, and platforms. Level crossings will also be rebuilt with new safety systems. Work on this railway segment, which includes the implementation of a remote control system, will result in enhanced passenger safety and greater train speed - €29m
- **Eurovia CS (EUROVIA) / STRABAG** : upgrading of the Měříň-Velké Meziříčí segment (7.2 km), in the region of Vysočina, on motorway D1. Overhead passageways will be built in the first phase of the project ; subsequently, the motorway will be renovated all along its width. D1, which is the country's busiest motorway, was built in the 1970s to connect the eastern and western parts of the country. However, since it no longer meets motorway requirements, it must

undergo gradual renovation. The work will be conducted for ŘSD ČR (the Czech Republic's roadway and motorway authority) - €19m

- **Eurovia CS (EUROVIA)** : reconstruction of the international roads (I/50) in the Košice region. Due to the increase of the traffic, loading and climatic influences, the objective of this work was to remove the unsuitable technical conditions of the existing roads. The project contained also the reconstruction of 26 bridges along the route - €18m
- **Eurovia CS (EUROVIA)**, 53% : upgrading of rail infrastructure on the segment between Turnov and Liberec. Reinforced concrete sleepers will be replaced and the superstructure, including foundations, bridges, culverts, and tunnels, will be renovated. This work is initially designed to reduce slowdowns on this line and enable the use of faster trains in future - €9m
- **Eurovia CS (EUROVIA)** : repairing for the D2 highway pavement in Southern Moravia (Southeastern Czech Republic) on behalf of the Road and Highway Directorate. Before the 31<sup>st</sup> of October 2015, the teams repaired the median strip and set up the right lane of the highway in the direction of Bratislava (Slovakia), on a 3.2-km section. In 2016, work will start on the second half of the highway. The stretch of highway to be renovated has cracks, the concrete slabs have shifted and the asphalt pavement is extremely deformed. The cement structure, 240 mm thick, with its gravel-coated membrane, will be removed and be replaced by asphalt concrete (280 mm) - €9m
- **Eurovia CS (EUROVIA)**, 30% / GJW Praha, 70% : upgrading on the rail line connecting Stará Paka and Malá Skála in order to increase train speed and enhance passenger safety and comfort on this busy and unique rail line. Also, the tracks will be cleaned, and certain parts of the superstructure and drainage network will be renovated - €7m
- **Eurovia CS (EUROVIA)** : construction of two new sections for motorway D3 between Prague and the South Bohemian Region (in the Southwest of the country). Eurovia CS will build the Veselí-Bošilec section as a member of the consortium and the Borek-Úsilné section as the lead contractor. The Veselí-Bošilec section will follow the current route of roadway I/3. The Borek-Úsilné section is 3.16 kilometres in length and will include the construction of 11 overpasses and one interchange. It will cross wooded areas and span several streams. Work will begin in spring 2015 and should be completed in 30 months - €22m



- **PRUMSTAV (VINCI Construction)** / METROSTAV, leader / IMOS : refurbishment of the National Museum in Prague including the restoration of the interior spaces under the control of Ministry of Culture, the renovation of facades, and the development of accesses as well as the glazed coverage of the inner courtyards - €14.7m (VINCI Construction share)
- **SMP CZ (VINCI Construction)** : construction of civil engineering structures on the roadworks section I/11 Nebory-Oldřichovice for the consortium IMOS BRNO A.S. / D.I.S. spol. - €8.8m

## Germany

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- **EUROVIA** : major work on motorway A2 between the Kamen-Bergkamen interchange and the Dortmund-Nordost motorway node (North Rhine-Westphalia). Teams are rehabilitating the roadway and five engineering structures. They are also replacing defective pipes, restraint systems, and horizontal road signs. The project is set for completion in October 2016. The engineering structure rehabilitation specialists have a challenging task on this project : the five bridges need a complete overhaul, including waterproofing, asphaltting, footpaths, connections, and work packages. On one of the bridges, which crosses electrified railway tracks, the demolition of concrete protective canopies could only be carried out at night and only for three hours per night ; consequently, the teams needed three weeks to complete this single task - €19m



- **SPIE GmbH (SPIE)** : Munich, Facility Management works - €58.2m



- **SPIE GmbH (SPIE)** : electrical installation works and HVAC in 2 plants and measure, control and statutory technology optimisation - €30.6m
- **SPIE GmbH (SPIE)** : Cologne Faculty of Medicine, planning, installation and combined heat operation, cooling and power station (CCHP) with 5.2 MWEL, recovery boiler, boiler replacement, hydraulic and electrical integration, with 15 years maintenance - €26.5m
- **SPIE GmbH (SPIE)** : technical installation works linked to the energy on the site of Continental Reifen Deutschland, optimization, modernising, reconstruction of installations for the energy supply - €18.8m
- **SPIE GmbH (SPIE)** : technical installation works, maintenance, inspection and repair of the systems (electrical, HVAC, mechanical) and production equipment for Lufthansa - €17.3m

- **SPIE GmbH (SPIE)** : technical and infrastructure management, maintenance for UMA 1 GmbH & Co. KG - €13.2m
- **SPIE GmbH (SPIE)** : technical installation management, reduction in operating charges of sustainable exploitations and increase of the availability of technical for SRH Wald-Klinikum Gera GmbH - €12.8m



- **SPIE GmbH (SPIE)** : exploitation of the technical installations linked to the energy on the site, optimization, modernising, refurbishment of the supply facilities, energy supply and the energy useful to the production process for the systems managed by the operating company, adaptation of the organization to the energy needs and the media provider, extension of the monitoring room for Continental Reifen Deutschland GmbH - €9.7m
- **SPIE GmbH (SPIE)** : Facility Management works for Finanz-Informatik GmbH & Co KG - €7.3m
- **SPIE GmbH (SPIE)** : Hamburg and Bremen, maintenance, inspection and repair of the HVAC systems for AIRBUS S.A.S - €6.7m

## Italy

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- **SUEZ-Treatment Infrastructure** : renewal and extension of the Servola-Trieste wastewater treatment plant. The wastewater treatment capacity of the plant stepped from 190,000 PE to 233,000 PE
- **VEOLIA WATER TECHNOLOGIES** : Biostyr® DUO technology for a wastewater treatment plant of Trieste and Servola, with a capacity of 233,000 eq/ppl - €9m

## Luxembourg

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- **Perrard (EIFFAGE)** : redevelopment of the streets des Gaulois, du Verger, des Romains, de la Rotonde and Félix Blochausen to Bonnevoie for Luxembourg City - €11.6m

## Netherlands

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- **SPIE Nederland (SPIE)** : maintenance system on the North Sea Channell - €25.5m
- **SPIE Nederland (SPIE)** : Rotterdam harbour, Facility Management works for Vopak Terminal Europoort BV - €9m
- **SPIE Nederland (SPIE)** : Amsterdam, installation works for a passengers real-time information system for GVB Exploitatie BV - €5.4m
- **SPIE Nederland (SPIE)** : Vijfhuizen, Facility Management works for TenneT TSO BV - €5.4m

## Poland

- **Eiffage Polska Budownictwo (EIFFAGE)** : construction for the developer Polonia Tatry Sp. z o.o. of Radisson Blu Hotel and residence in Zakopane with a net area of 22,680 sqm. The project consists of 4-star hotel including 158 rooms, conference rooms and spa and the building 68 hotel apartments for sale - €28.6m



- **Eiffage Polska Budownictwo (EIFFAGE)** : realization of 319 housing distributed in 4 buildings, Garazowa Street in Warsaw, for Dom Development. On 9 levels and with 2 underground levels for parking, the buildings will offer 10 shops on the ground floor - €16.9m



- **Eiffage Polska Budownictwo (EIFFAGE)** : construction of a residential building with 214 housing, services and underground parking located Przy Bażantani Street in Warsaw, for a 29,950 sqm usable area - €12m



- **Eiffage Polska Budownictwo (EIFFAGE)** : construction of a 141 housing residence at Pułaski Street in Katowice. With 13,000 sqm total floor area, the project is realized for HM Invest SA - €18.9m



- **Eurovia Polska (EUROVIA)** : construction of the bypass for the city of Szczecinek (population 40,000) in Western Pomerania in the North-West of the country. This busy stretch of dual carriageway is located on the route of the S11 motorway that will eventually link the North of the country at Koszalin with the urban area of Katowice (in the South). The works are expected to last 34 months (excluding winter periods) - €62m
- **Eurovia Polska (EUROVIA)** : contract for a 19.73 km section of dual carriageway and 12 civil engineering structures (viaducts and a bridge) on the S3 motorway South of the city of Legnica, near the border with the Czech Republic. This road forms part of the international E65 road in the trans-European corridor, and serves the whole of Western Poland as well as a number of large cities in the country (Szczecin, Gorzów Wielkopolski, Zielona Góra and Legnica). The works will start in April 2016 and are expected to last 30 months (excluding winter periods) - €57m
- **Menard (Soletanche Freyssinet, VINCI CONSTRUCTION) / Keller** : ground improvement works of the S7 Gdańsk (A1)-Elbląg (S22) road. Menard will be in charge of the sections Koszwały-Elbląg and Nowy Dwór Gdanski-Kazimierzowo. The works will consist in the execution of 5,500,000 lm vertical drains, 80,000 lm stone columns, 300,000 lm stone-concrete columns, 500,000 lm CMC columns. The completion of the project is planned for July 2017 - €17m (Menard share)



- **WARBUD (VINCI Construction), leader / PORR / VAMED** : construction of Krakow University Hospital "PROKOCIM". This hospital will have a capacity of 925 beds, as well as a 700-space car park in a 5 storey separated building - €91.5m (VINCI Construction share)
- **WARBUD (VINCI Construction)** : structural works of Wood shopping center in Wroclaw (mall of 64,000 m<sup>2</sup>, 7,000 m<sup>2</sup> of offices and 2,400 parking spaces on two basement levels) - €48.8m

- **WARBUD (VINCI Construction)** : construction of the “Radunia” shopping center in Gdansk. The 200,000 m<sup>2</sup> building includes a mall, cinemas and 1,000 parking spaces - €79.7m
- **WARBUD (VINCI Construction)** : Design-build contract for the C section of the expressway S2 which is part of the South ring road of the Warsaw bypass. The object of the contract is the design and construction of 7.5 km roadway with several bridges and viaducts, the largest being 1.1 km long - €110.3m

## Slovakia

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- **Eurovia SK (EUROVIA)** : modernization project of the tramway lines in Košice, second largest city in Slovakia. The project involves rebuilding and modernizing certain sections of the existing tramway network, which has begun to dilapidate. Eurovia is working on six urban lines and five of the eight peri-urban lines, i.e., the majority of tramway lines in Košice, which transport more than 25,000,000 people per year. The main work will involve modernizing the traction lines, building new platforms and setting up a new information system - €20m



## Sweden

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- **VEOLIA WATER TECHNOLOGIES** : construction of a modern wastewater treatment facility in Borås, including pre-treatment, biological treatment with a flexible activated sludge process, chemical treatment and sewer overflow treatment and reject water treatment - €42.5m

## Switzerland

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- **BOUYGUES CONSTRUCTION** : Greencity eco-neighbourhood in Zurich. Powered by locally produced renewable energy, the eco district has been awarded the label "Site 2000 Watts" by the services of the Swiss Confederation - €182m



- **BOUYGUES CONSTRUCTION** : construction of the Limmattal hospital in Zurich. Developed using BIM, this project is a first in this country, with a digital modelling design developed jointly by architects, civil engineers and heating, ventilation, air conditioning and sanitation specialists. A design that brings reliability and efficiency - €175m



- **BOUYGUES CONSTRUCTION** : construction of the housing complex « l'Atelier » in Geneva. The project will host workshops (23,000 m<sup>2</sup>), high-tech office spaces (11,800 m<sup>2</sup>), shops and showroom spaces (3,200 m<sup>2</sup>), 419 parking spaces and will offer 5,300 sqm of floor space storage - €107m



- **BOUYGUES CONSTRUCTION** : housing complex "Faubourg 1227" in Carouge. The project consists of nine buildings totaling 13,200 m<sup>2</sup> on five levels (ground floor and four floors) - €61m
- **BOUYGUES CONSTRUCTION** : housing project in Belp, including four new residential and commercial buildings - €49m
- **SPIE Sud Est (SPIE)** : Neuchâtel, study, supply, implementation of the fire detection systems in the circulated area (cabinets, smoke alarms and heat sensitive cables) ; technical management of the energy distribution of the radio subsystems, weather forecast, secure telephones, videomonitoring ; study, supply, implementation of the technical monitoring system of all equipments deployed for Upn. Colombier-Cornaux - €13m



## United Kingdom

- **BOUYGUES CONSTRUCTION** : cancer treatment and surgery centre in London. Designed by architects Scott Tallon Walker in association with Edward Williams Architects, this treatment centre will be one of the first facilities of its kind in the country. It will form part of a new national high energy proton beam therapy programme run by the British National Health Service (NHS). Proton beam therapy is a highly targeted form of radiotherapy that is able to treat local cancers in hard-to-reach areas, potentially reducing damage to nearby tissue and other side effects - €257m



- **BOUYGUES CONSTRUCTION** : new exam board headquarters "Triangle" of the University of Cambridge. The project was developed using the latest Building Information Modelling (BIM) technology and is expected to take around two years to deliver. With a strong focus on sustainability, it is expected to achieve an Energy Performance Rating of A and is targeting the same Display Energy Certificate (DEC) grade for office developments - €165m



- **BOUYGUES CONSTRUCTION** : Manhattan Loft Gardens tower in London. The unique structure of this building features two cantilevers which support three sky gardens giving unobstructed views across London. Manhattan Loft Gardens offers a new take on London garden squares and creates an environment suited to neighbourhood life and the development of urban biodiversity - €144m



- **BOUYGUES CONSTRUCTION** : Hoddesdon waste-to-energy gasification plant. The plant will generate 41.6 MW thermal, which, once converted through a steam turbine generator, will deliver 10 MWe. This represents a yearly net export of green electricity to the grid of 76,000 MWh which is enough to meet the annual demand of roughly 7,000 homes - *€109m*
- **BOUYGUES CONSTRUCTION** : regeneration of Addlestone town centre in Surrey. Key features of the development include 101 bedroom hotel, 213 new homes, a mix of quality retail units including a Waitrose supermarket, a range of high quality restaurants, a six screen cinema, a new gym and 445 car parking spaces - *€97m*



- **BOUYGUES CONSTRUCTION** : new housing project « Greenwich Millennium Village », in London - *€86m*
- **BOUYGUES CONSTRUCTION** : Faircharm housing project which will see homes delivered across four new buildings, including a 13 storey tower. More than 4,500 sqm of commercial space will also be made available at ground floor level, through refurbishment - *€60m*
- **BOUYGUES CONSTRUCTION** : regeneration project in Barking (London). The new homes will range from one to four bedrooms, and will be available through affordable rent, shared ownership and private sale - *€57m*
- **BOUYGUES CONSTRUCTION** : new hotel-led mixed use development in a prime regeneration area in Southampton, in the Ocean Village marina - *€49m*

- **BOUYGUES CONSTRUCTION** : building complex in Riverside North, Bedford. Occupying an area of 3.6 acres, the development will provide 46 private apartments owned and marketed by Delph Property Group, 18 affordable apartments owned and managed by Guinness Partnership, a 100-bedroom Premier Inn Hotel, and shopping and leisure facilities owned by TH Real Estate - €43m (Bouygues Construction share)
- **BOUYGUES CONSTRUCTION** : building complex at Willow Park Way, Aston-on-Trent, (South Derbyshire). Richmond Aston on Trent is based on a successful model that combines different categories of homes and support for older people who may have different needs but still want to feel part of a community - €43m
- **BOUYGUES CONSTRUCTION** : design, construction and equipment supply of latest generation for a thermal power plant with a capacity of 80 MW and 3.4 MW heat recovery, in Gibraltar. The contract also includes exploitation and maintenance of the plant for a year - €98m
- **BOUYGUES ENERGIES & SERVICES (BOUYGUES CONSTRUCTION)** : engineering, procurement and construction of a new waste-to-energy gasification facility in Belfast (15 MWe) including operation and maintenance for 17 years. The power plant will be the largest in the island of Ireland - €200m



- **BOUYGUES ENERGIES & SERVICES (BOUYGUES CONSTRUCTION)**, in a consortium : hard FM for 25 years of the Royal Hospital for Sick Children in Edinburgh - €86m (Bouygues Construction share)



- **COLAS** : ASC contract, Area 12 (A-One+ consortium), long-term road management and maintenance projects in Yorkshire for a 5 year period - €152m



- **COLAS** : ASC contract, Area 4 (A-One+ consortium), long-term road management and maintenance projects in East Southern for a 5 year period - €117m
- **COLAS** : rail network in Wessex, rail infrastructure improvement for a 5 year period - €94m
- **COLAS** : Network Rail, OTM contract, overhead lines and traction maintenance operations for a 3 year period - €25m
- **COLAS** : Network Rail, rail grinding operations - €57m
- **COLAS** : Network Rail, track renewal, switches and crossings - €22m
- **COLAS** : Network Rail, infrastructure monitoring train - €41m
- **Eurovia Infrastructure (EUROVIA)** : the Hull City Council has awarded to Eurovia a major contract, overseen by YORcivil, including construction and public works in Yorkshire and the Humber region. The contract calls for the repaving of part of the city centre -42,000 m<sup>2</sup> in all-with sandstone and granite slabs. Work will be carried out in stages until November 2016 and will transform the Hull city centre in time for the city's official designation as the U.K. City of Culture in 2017. With this project, Hull becomes the setting of one of the most extensive and prestigious public works initiatives undertaken in the United Kingdom in recent years - €13m



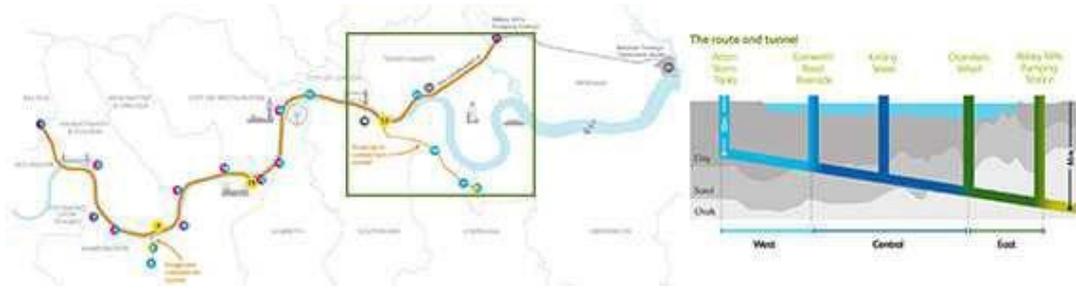
- **Freyssinet Limited (Soletanche Freyssinet, VINCI CONSTRUCTION) / Freyssinet Grands Projets (Soletanche Freyssinet, VINCI CONSTRUCTION)** : contract to provide design and build services for the tunnel lining upgrade on the Strathclyde Partnership for Transport (SPT) metro in Glasgow. The works for the twin-bore 10 km tunnels include annulus void grouting, crack injection and concrete/brickwork repairs together with surveying and cleaning of the tunnel lining and drainage channels. Works should last 24 months and be completed mid-2017 - €22.5m



- **Nuvia Limited (Nuvia, Soletanche Freyssinet, VINCI CONSTRUCTION)** : Sellafield B30 Export (phase 3), refurbishment and conversion of the first generation Magnox storage pond (FGMSP) inlet building into a pond inventory export facility. The phase 3 includes the equipment testing on the integrated test facility (IFT), site installation and inactive commissioning - €25m



- **VINCI Construction Grands Projets (VINCI Construction), 40% / Bachy Soletanche (Soletanche Freyssinet, VINCI CONSTRUCTION), 20% / Costain, 40%** : Thames Tideway Tunnel-East, a design and build project intended for the construction of two sections of tunnel, a main tunnel (5.5 km) and a connecting tunnel (4.6 km) for combined rainwater and wastewater to the East of London. The main tunnel will have an interior diameter of 7.20 metres, while that of the connecting tunnel will be 5 metres. The East section also includes the construction of five main diaphragm wall shafts from 17 m to 25 m diameter and up to 75 m deep. The works comprise the connections to the existing sewer system, diverting the flows into the tunnel and on to the treatment plants that have already been constructed as part of the Lee Tunnel contract - €338.8m (VINCI Construction Grands Projets share) and €166m (Bachy Soletanche share)



## AFRICA

### Algeria

- **Entrepose Contracting (VINCI Construction)** : contract concerning mechanical, electric, assembly and instrumentation of Chlef cement plant for Fives FCB - €20m

### Angola

- **Eiffage Métal (EIFFAGE)** : construction of 104 footbridges for the city of Luanda (30 months). Eiffage Métal will be responsible for manufacture at its Lauterbourg plant in Eastern France (Bas-Rhin). The footbridges will be delivered to Luanda by ship in over 900 containers - €199.8m



### Benin

- **COLAS** : Savalou-Tchetti-Glazoué road, construction of 42 km roadway and asphalt overlay works - €47m



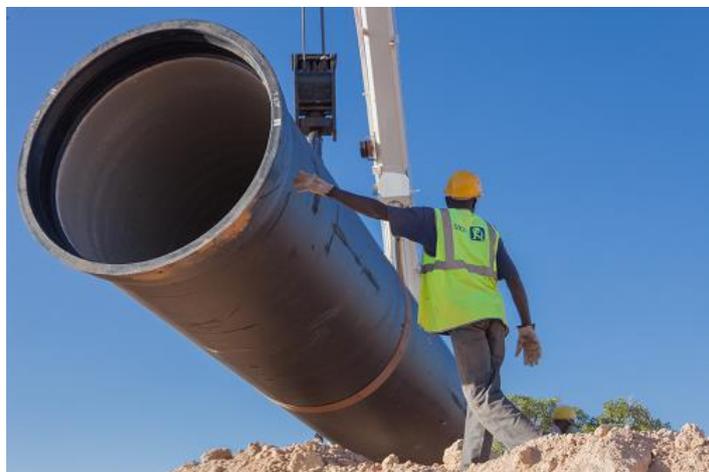
- **Sogea-Satom (VINCI Construction)** : upgrading of the road Parakou-Beroubouay for Ministry of Economic and Finance - €47.9m
- **Sogea-Satom (VINCI Construction)** : construction of Benin terminal head office, boulevard de la Marina in Cotonou for Bolloré - €13m
- **SUEZ-Treatment Infrastructure** : contract to deliver a 1,050 m<sup>3</sup>/d drinking water production plant for the city of Djougou and its surroundings by installing a Degrémont® compact unit (UCD® - compact plant that is particularly well suited to supplying drinking water to small urban or rural communities)

## Burkina Faso

- **Eiffage Energie Transport et Distribution (EIFFAGE)** : interconnection between Bolgatanga and Ouagadougou (two high-voltages transformer stations of 225 kV and 200 km of 225 kV high-voltage power lines) for Sonabel (Burkina Faso) and Ghana Grid Company (GRIDCo) - €30m



- **SADE** : Ouagadougou, Ziga 2, drinking water supply : ductile iron pipes Ø 1200-1400 (19,900 lm), manholes (35 u), half-buried reservoirs 6,000 m<sup>3</sup> (2 u) - €20.985m
- **SADE** : Ouagadougou, Ziga (phase II), Lot 1, drinking water supply : ductile iron pipes DN 1600 (23,040 lm), air valves (16 u), drillings and dewatering equipment (20 u), double air valves (16 u) - €24.24m
- **SADE** : Ouagadougou, Ziga (phase II), Lot 2, drinking water supply : ductile iron pipes DN 1600 (23,040 lm), ductile iron pipes DN 1400 (7,990 lm), pipe jacking with steel sleeves DN 1600 and DN 1800 (160 lm) - €14.455m

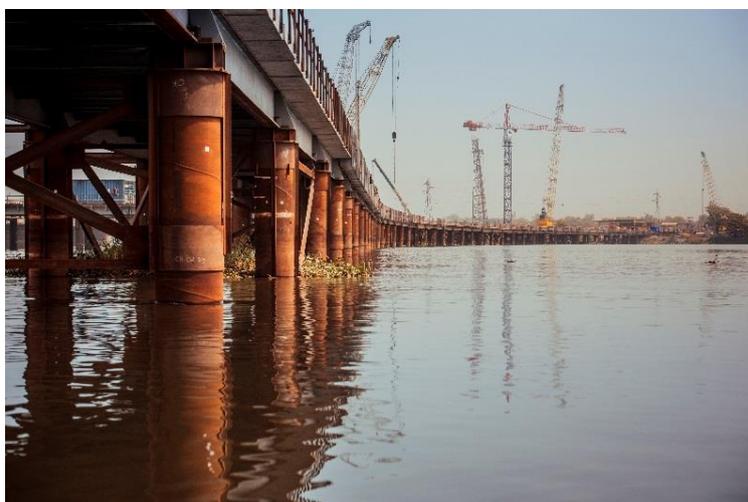


- **Sogea-Satom (VINCI Construction)** : construction of the junction “Ouagadougou North” - €102.3m
- **Sogea-Satom (VINCI Construction)** : works on drinking water supply system for Ouagadougou city from Ziga dam (phase II) : water treatment plant - €15.7m
- **SUEZ-Treatment Infrastructure** : construction of the 180,000 m<sup>3</sup>/d Ziga II drinking water treatment plant. The plant will treat water from the Ziga dam to supply the capital, Ouagadougou, with drinking water. The contract provides for operational assistance for one year

## Cameroon

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- **RAZEL-BEC** : Western agricultural roads - €73.7m
- **RAZEL-BEC** : access Olembé stadium - €32.7m
- **RAZEL-BEC** : urgent works in Yaounde - €8m
- **RAZEL-BEC** : Yaounde sanitation project (PADY 2) - €73m
- **RAZEL-BEC** : Douala drainage works - €40.2m
- **RAZEL-BEC** : drinking water supply in Yaounde - €34m
- **Soletanche Bachy International (Soletanche Freyssinet, VINCI CONSTRUCTION) / Sogea Satom (VINCI CONSTRUCTION) / Dodin Campenon Bernard (VINCI CONSTRUCTION) / Sogea TPI (VINCI CONSTRUCTION)** : design and building of the 760 m long bridge on the Wouri River. This structure includes a 5-lane road bridge and a 2-track railway bridge. With 135 m spans, the deck with concrete lining segments cast in-situ will constitute a technical reference. The structures are supported by 5 river piers with single crossheads based on 50 river piles. The ground foundations of 45 m deep are made of 40 piles - €15m (Soletanche Bachy International share)



## Cape Verde

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- **SADE** : Sal and Sao Vicente islands, desalination plant with a capacity of 5,000 m<sup>3</sup>/d (2 u) - €15m

## Egypt

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- **COLAS** : extension of line 3 of the metro in Cairo (phases 3, 4), power supply, electromechanical and workshop in 4 underground stations - €183m



- **VINCI Construction Grands Projets (VINCI Construction)**, 27% / **BOUYGUES TRAVAUX PUBLICS (BOUYGUES CONSTRUCTION)**, 25.1% / Arab Contractors, 26.15% / Orascom Construction Industries, 21.75% : subway of Cairo, Line 3, phase 4A, realization of a new phase of works of civil engineering of the subway Line 3 between stations Haroun and El Nozha. This new phase includes 5.15 km of tunnel and stations buried under the Line 3 which crosses the Egyptian capital from East to West - €73.2m (VINCI Construction Grands Projets share) and €67m (Bouygues Construction share)



## Gabon

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- **COLAS** : National Road 1, rehabilitation and widening of the existing roadway between KP 2 et KP 12 - €28m



- **COLAS** : Port-Gentil airport, road works and service connections - €15m



## Ghana

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- **Eiffage Energie Transport et Distribution (EIFFAGE)** : interconnection between Bolgatanga and Ouagadougou (two high-voltages transformer stations of 225 kV and 200 km of 225 kV high-voltage power lines) for Sonabel (Burkina Faso) and Ghana Grid Company (GRIDCo) - €30m



## Ivory Coast

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- **RAZEL-BEC, 50% / COLAS, 50%** : roads in Abengourou-Agnibilekro-Bétié - €14m
- **RAZEL-BEC, 50% / SADE, 50%** : drinking water supply in Sinfra and Gagnoa, Design & Build contract for a water treatment plant with a capacity of 2,000 m<sup>3</sup>/d : ductile iron pipes DN 400-600 (130,000 lm), distribution ductile iron pipes DN 90-150 (40,000 lm), pumping stations (2 u) - €48m
- **SUEZ-Treatment Infrastructure** : three drinking water production contracts for Abidjan and its surroundings as well as Odienné. SUEZ will build the Songon drinking water plant that will supply 42,000 m<sup>3</sup>/d to the economic capital and its surroundings, and the 80,000 m<sup>3</sup>/d Bonoua II drinking water station. SUEZ will also supply 4,000 m<sup>3</sup>/d of drinking water to the town of Odienné, thanks to the installation of a Degrémont® compact unit (UCD® - compact plant that is particularly well suited to supplying drinking water to small urban or rural communities)

## Kenya

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- **SUEZ-Treatment Infrastructure** : first phase of the Kigoro drinking water treatment plant that will supply Nairobi, with a capacity of 142,500 m<sup>3</sup>/d. For the first time in Sub-Saharan Africa, SUEZ will implement a water treatment technology based on flotation and then a filtration step (Aquazur™V) to treat water from the Thika dam. SUEZ will also provide a technical operational assistance for two years

## Madagascar

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- **Eiffage Génie Civil (EIFFAGE)** : refurbishment of the old bridge on the highway 4 over the Kamoro and construction of a new bridge for the Autorité Routière de Madagascar - €12.8m



## Mali

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- **SUEZ-Treatment Infrastructure** : construction of the Kabala drinking water treatment plant. With a capacity of 300,000 m<sup>3</sup>/d, this new station will supply the capital, Bamako. SUEZ will provide operational assistance for one year

## Morocco

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- **BOUYGUES CONSTRUCTION** : construction of The Mohammed VI University of Health Sciences. It will host nearly 2,000 students and will be equipped with medical equipment of last generation - €44m
- **Clemessy Maroc (EIFFAGE)** : construction of a 60 kV/22 kV substation in Ksar Sghir and extension of the Melloussa and Agadir substation for the National Office for Electricity and Water - €2.5m
- **Dumez-Maroc (VINCI Construction)** : construction of the new Casablanca fishing harbour for NHA (National Harbour Agency) - €52.9m
- **SADE** : Tanger, drinking water supply : steel pipe Ø 1600 (3,100 lm), canal crossing (horizontal drilling, 75 lm) - €3.446m
- **Sogea Maroc (VINCI Construction)** : construction works of thermoelectric power plant for Daewoo Engineering & Construction CO/Ltd in Safi - €36.2m
- **Sogea Maroc (VINCI Construction)** : drinking water supply system in Marrakech region (lot 2) : clarification station on behalf of ONEE (National Electricity Office) water department - €10.8m

## Niger

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- **Sogea-Satom (VINCI Construction)** : construction of Diori Hamani junction on boulevard de l'Independance and Katako market area development works in Niamey - €63.4m
- **Sogea-Satom (VINCI Construction)** : road works in Niamey (phase I) and additional works - €35.6m

## Nigeria

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- **BOUYGUES CONSTRUCTION** : Nigeria Liquefied Natural Gas headquarters, located on the Niger Delta close to the production plants. The site covers more than 100,000 square meters and is preparing to receive 22 buildings with a total area of 37,214 m<sup>2</sup> - €148m
- **Secauto (Clemessy, EIFFAGE)** : supplying a complete laboratory for petroleum tests for the Egina Total platform in Nigeria for the South Korean manufacturer Samsung Heavy Industries. Supplying the top side analysis cabinets as well as the monitoring system for the oxygen and hydrocarbon measurements in the sky from the tanks and hull ballasts - €2.8m
- **SPIE Oil & Gas Services (SPIE)** : maintenance and operating contract for the FPSO AKPO (235,000 b/d) for a five year period for Total Upstream Nigeria - €14.3m



- **SUEZ-Treatment Infrastructure** : in Lagos, SUEZ will supply a 3,000 m<sup>3</sup>/d Degrémont® compact unit (UCD® - compact plant that is particularly well suited to supplying drinking water to small urban or rural communities) to meet the needs of the Eko Atlantic City new town. Built on an artificial island in the Bay of Lagos, Eko Atlantic City will ultimately accommodate 250,000 inhabitants. In Itigidi, in Cross River State, SUEZ is also to build the extension of a drinking water treatment plant producing 4,000 m<sup>3</sup>/d

## Republic of the Congo

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- **Eiffage Génie Civil (EIFFAGE)** : refurbishment and extension of the storm water network of Brazzaville for the Délégation Générale aux Grands Travaux - €11.1m



- **RMT (Clemessy, EIFFAGE)** : contract to provide the port complex's electricity supply within the framework of the Pointe-Noire port extension - €5.3m

### Republic of Djibouti

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- **VINCI Construction Grands Projets (VINCI Construction)** : improvement of drinking water networks and sanitation of Djibouti. This project is consisted of two parts : one for drinking water and one for sanitation. The first part consists of laying 27 km of transfer and distribution pipes of 200-700 mm made of PEHD, the rehabilitation of 3 water towers and the automation of 48 drillings by remote processing. The second part consists of the rehabilitation of a scupper, 6 compact water-treatment plants and a waste-treatment station, all of the Peltier hospital - €20m
- **VINCI Construction Grands Projets (VINCI Construction)** : rehabilitation and extension of the drinking water network of Djibouti. The works include the laying of 36 km of PEHD conducts of DN63-DN400, the installation of 3,000 new network-connections and the construction of a reservoir of 2,500 m<sup>3</sup> - €19m

### Republic of Guinea

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- **RMT (Clemessy, EIFFAGE)** : second project involving the refurbishment and extension of the electricity networks in Conakry - €8.9m

### Senegal

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- **Eiffage Energie Transport et Distribution (EIFFAGE)** : design, construction and operation of 90 kV transformer stations in Cap des Biches for Semelec - €10.5m
- **SADE** : Louga (Lot 1), drinking water supply : water towers of 150 m<sup>3</sup> at 20 m (25 u), water towers of 200 m<sup>3</sup> at 20 m (2 u), drillings and dewatering equipment (20 u), PVC networks DN 63 to 160 (370,000 lm) - €6.848m
- **SADE** : Louga (Lot 4), drinking water supply : water towers of 150 m<sup>3</sup> at 20 m (17 u), water towers of 200 m<sup>3</sup> at 20 m (2 u), drillings and dewatering equipment (15 u), PVC networks DN 63 to 160 (318,000 lm) - €4.935m
- **SADE** : Tambacounda, Sedhiou and Kolda (Lot 1), drinking water supply : PVC pipes (558,000 lm), water towers of 150 to 100 m<sup>3</sup> (25 u), pumping stations (25 u), street fountains (18 u) - €4m
- **SADE** : Tambacounda, Sedhiou and Kolda (Lot 2), drinking water supply : PVC pipes (463,000 lm), water towers of 150 to 100 m<sup>3</sup> (25 u), pumping stations (25 u), street fountains (18 u) - €4m

## South African Republic

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- **VEOLIA WATER TECHNOLOGIES** : extension, rehabilitation, standards compliance of the water treatment plant of Stellenbosch : drinking water activity, activated sludge process to treat effluents - €11.4m

## Togo

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- **Eiffage International / RMT (Clemessy, EIFFAGE)** : amendment n° 1 to the principal contract to modernise and extend the port of Lomé's container terminal - €8.9m



## Zambia

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- **VEOLIA WATER TECHNOLOGIES** : improvement of drinking water systems and sanitation in Ndola and Luanshya areas. The project includes : detailed design and construction works (FIDIC Yellow Book), rehabilitation, replacement and construction of water and wastewater systems (pipelines, treatment plants, mechanical and electrical equipment) and provision of operation and maintenance equipment including training - €76.8m

## NEAR & MIDDLE EAST

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### Iraq

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- **VEOLIA WATER TECHNOLOGIES** : zero liquid discharge evaporator and crystallizer system for the Karbala refinery in order to reduce waste - €11.6m

### Jordan

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- **RAZEL-BEC / SADE / ATCCO** : Abu Alanda-Khaw water transmission & HPP - €9.5m (Razel-Bec share)
- **SADE** : Abu Alanda, Design & Build of a ductile iron pipe DN 900 (34,000 lm), construction of 2 reservoirs (2,000 m<sup>3</sup> and 2,500 m<sup>3</sup>) ; design, supply and installation of 2 turbines for electricity production - €40.526m
- **VINCI Construction Grands Projets (VINCI Construction)** : a 24-month technical-support mission within the program for the modernization of the utilities of the city Yarmouk. The contract includes the supply of equipment for utilities, machines, vehicles, the supply and installation of pumping equipment as well as the provision of technical experts - €22.5m



## Kuwait

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- **VEOLIA WATER TECHNOLOGIES** : sludge incineration project for Kuwait National Petroleum Company (KNPC) : basic engineering including civil guide drawings, procurement of process equipment, automation, instrumentation, piping and supporting structure - €16.3m

## Oman

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- **SUEZ-Treatment Infrastructure**, within the Barka Desalination Company consortium : build, operate and finance a new 281,000 m<sup>3</sup>/d seawater desalination plant in Barka, the largest reverse osmosis desalination plant in the Sultanate. This public-private BOO (Build Own Operate) partnership provides for the construction and the operation of the facility. SUEZ is in charge of the construction and operation of the plant for 20 years
- **SUEZ-Treatment Infrastructure** : design, build and operate the expansion of the municipal landfill facility at Mascate for 5 years. The new cell of the landfill facility for Al Amerat's non-hazardous waste could receive all the solid municipal waste generated by the city of Mascate. The new facility will include a biogas recovery system and a reverse osmosis plant for treating leachates. This project is a continuation of the first landfill cell with a capacity of 250,000 metric tons of waste a year, operated since 2010 on the same site by SUEZ. This new contract will increase the landfill's capacity to 400,000 metric tons a year
- **VEOLIA WATER TECHNOLOGIES**, in a consortium : design, construction, commissioning and test for the extension of existing Sur desalination plant (by reverse osmosis) up to 29 MIGD - €68.6m (Veolia Water Technologies share)

## Qatar

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- **Bessac (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : IDRIS (Inner Doha Resewerage Implementation Strategy), MTS01, wastewater sewer (length of 16,300 m and 3 m in diameter) with a earth pressure balanced tunneling machine - €34m
- **Bessac (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : IDRIS (Inner Doha Resewerage Implementation Strategy) MTS03, wastewater sewer (length of 14,000 m and 4.5 m in diameter) with an earth pressure balanced tunneling machine - €44m
- **BOUYGUES CONSTRUCTION / UrbaCon Trading & Contracting** : sewage tunnel, South section (MTS03) with 14 kilometres long and 4.5 metres wide - €202m (Bouygues Construction share)
- **BOUYGUES CONSTRUCTION / UrbaCon Trading & Contracting** : sewage tunnel, North section (MTS01) with 16 kilometres long and 3 metres wide - €155m (Bouygues Construction share)
- **VEOLIA WATER TECHNOLOGIES** : engineering, procurement, fabrication and supply of equipment and materials and related services for an evaporator system package (capacity : 40 m<sup>3</sup>/hour) to remove KHI (high Molecular Weight-MW organics) contained in the produced water solution coming from a natural gas processing facility at Ras Laffan for Dolphin Energy - €32.2m (total amount for two contracts)
- **VINCI Construction Grands Projets (VINCI Construction)**, 49% : highway A12, this design and build project includes a 2.4 km section consisting of 2x3 lanes along the LRT stations of Lusail in the Marina District. The works also include buried utility networks, signaling, lighting, landscaping and 4 electric substations of 11 kV - €41m

## Saudi Arabia

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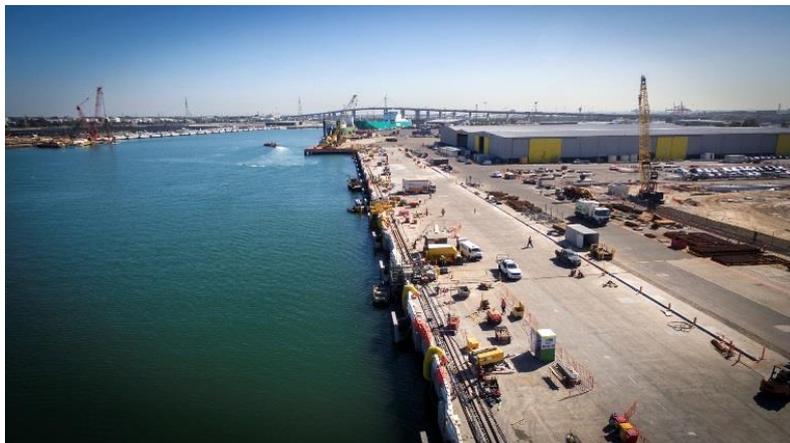
- **SPIE Oil & Gas Services (SPIE)** : start-up services and commissioning of the extension of the refining and petrochemicals complex Petro Rabigh. This contract covers a global offer of commissioning and starting for minimum one year, and mobilising about a hundred experts in various fields - €17.8m

**Australia**

- **BOUYGUES CONSTRUCTION / Lend Lease** : new motorway link NorthConnex in Sydney including the design and construction of twin toll tunnels, nine kilometres long. They will link the South of the M1 Pacific Highway at Wahroonga to the M2 Hills Motorway, joining it at the Pennant Hills Road interchange - €883m (Bouygues Construction share)



- **Freyssinet Australie (Soletanche Freyssinet, VINCI CONSTRUCTION)** : rehabilitation of Webb Dock East Berth 4 & 5, returning to its original role as an international container handling facility. 140 concrete beams and 860 steel piles for repair : concrete repairs and coatings, steel pile patch welding, steel pile protective wraps and encasements, and the installation and ongoing monitoring of an impressed current cathodic protection system to the concrete beams and steel piles - €26.5m



- **Freyssinet International & Cie (Freyssinet, Soletanche Freyssinet, VINCI CONSTRUCTION)** : repair of the facade of Sydney's MLC centre using Foreva solutions - €27m
- **SPIECAPAG (VINCI Construction)** : project « Victorian Northern Interconnect Expansion » (VNIE), gas pipeline construction contract in the South of the country for APA Group - €30m
- **SPIE Oil & Gas Services (SPIE)** : preventive and corrective maintenance contract as well as the optimization of the instrumentation and control systems and telecommunication for an initial period of 3 years for Queensland Gas Company (QGC) - €11.6m



- **VEOLIA WATER TECHNOLOGIES** : industrial wastewater treatment project extension - €10.8m

## China / Hong-Kong

- **Bachy Soletanche Hong-Kong (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : Vehicule Clearance Plaza, 138 large diameter bored piles. The newly reclaimed HKBCF island will be a major infrastructure hub with several highways, bridges, buildings and facilities - €19m
- **Bachy Soletanche (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : Fai Chi Kei, construction of a diaphragm wall for a residential development. The wall has a 295 m perimeter in 800 mm thickness with a standard depth of 50 m and 83 m for the load-bearing panels - €14.6m



- **SUEZ-Treatment Infrastructure**, within the Changshu Sino French joint venture : extension of the Changshu chemical industrial park's effluent treatment station. This second unit, which will have a capacity of 10,000 m<sup>3</sup>/d, will double the capacity of the existing plant in order to cope with the growth of the industrial park. Changshu Sino French will also be responsible for the management and operation of both units for 30 years
- **SUEZ-Treatment Infrastructure** : contract to supply the equipment for the Huai Fang reuse water treatment plant and to supervise equipment installation, commissioning and performance tests. SUEZ will fit out the plant with the ultrafiltration-membrane bioreactors and ozone system to treat the wastewater. These technologies enable the plant to produce optimum quality water which may be re-used for city management projects or discharged into wetland and watercourse. This plant will be the largest underground reuse water project in Asia

with a capacity of 600,000 m<sup>3</sup>/d when it will be put into operation, handling the wastewater produced by over 3 million people

- **VINCI Construction Grands Projets (VINCI Construction)** : subway of Hong Kong (batch 1122). This new batch concerns the construction of a 700 metres long tunnel to be realized in a record time of 45 months in the middle of the city center - €43.8m



- **VEOLIA WATER TECHNOLOGIES** : project to equip the Beijing Huifang water treatment plant with an odor treatment project using Aquilair, Alizair and Odowatch technologies to treat an air flow of 892,873 m<sup>3</sup>/h - €13.4m
- **VEOLIA WATER TECHNOLOGIES** : extension, rehabilitation, standards compliance for a sewage treatment plant in Changsha with the process Biostyr® DUO for a capacity of 100,000 m<sup>3</sup>/day - €8.9m

## India

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- **SUEZ-Treatment Infrastructure** : construction and operation of two units of the TK Halli drinking water production plant, about 90 km from Bangalore. The contract provides for the construction and installation of a unit producing 300,000 m<sup>3</sup>/d of drinking water and the rehabilitation of an existing unit that also produces 300,000 m<sup>3</sup>/d. These projects will be followed by a seven-year operation period
- **SUEZ-Treatment Infrastructure** : contract to design, build and operate the Kengeri wastewater treatment plant, located South-West of Bangalore. The plant, with a capacity of 60,000 m<sup>3</sup>/d, will treat the wastewater produced by more than 400,000 people. The contract will be followed by a seven-year operation and maintenance period
- **SUEZ-Treatment Infrastructure** : three contracts to design, build and operate 150 Degrémont® compact unit (UCD® - compact plant that is particularly well suited to supplying drinking water to small urban or rural communities) in three regions of the state of Rajasthan : Bikaner, Hanumangarh and Sri Ganganagar. The 150 units will be operated by SUEZ for five years. The units will have a production capacity of between 500 and 3,000 m<sup>3</sup>/d. These compact units can treat all types of surface or underground water to produce drinking water to the standards of the World Health Organisation (WHO)

## Kazakhstan

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- **SUEZ-Treatment Infrastructure** : contract to supply 2 Degrémont® compact unit (UCD® - compact plant that is particularly well suited to supplying drinking water to small urban or rural communities), with a capacity of 30,000 m<sup>3</sup>/d, for the city of Zhanaozen. The equipment will double the capacity of the former water treatment plant which was built by SUEZ in 1996 and is still in function. Thanks to this SUEZ equipment, the city will be able to provide 60,000 m<sup>3</sup>/d of drinking water

## Malaysia

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- **VINCI Construction Grands Projets (VINCI Construction)** : Jesselton, a design and build project intended for the realization of a mixed development of 125,000 m<sup>2</sup> on the sea front of Kota Kinabalu in the North of Borneo. The project includes a 7-storeyed building and two levels of basement which will welcome a shopping mall of 20,000 m<sup>2</sup> and more than 900 parking spaces, as well as a set of three 20-storeyed residential towers including 333 apartments in total - €71.1m



## Myanmar

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- **Dragages Singapour (BOUYGUES CONSTRUCTION) / SPA Project Management** : design and construction of a new phase of the Star City, a large residential complex situated in the suburbs of Yangon (Rangoon) - €66 m (Bouygues Construction share)



- **RAZEL-BEC** : Upper Yeywa hydropower project, underground works - €23m (Razel-Bec share)

## New Zealand

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- **HEB Construction (VINCI Construction)** : contract to construct a wastewater storage tank, pump station, and connecting gravity and rising mains for Watercare Services Ltd in Takapuna on Auckland's North Shore. The 3,500 m<sup>3</sup> storage tank will collect the overflow from a water treatment plant during storm events preventing untreated wastewater entering Shoal Bay - €13m
- **HEB Construction (VINCI Construction)** : Weiti, 5.5 km permanent access road into a new subdivision to be constructed over 2 seasons - €13m
- **HEB Construction (VINCI Construction)** : a three year maintenance and infrastructure replacement contract for water, sewer and storm water within the greater Hamilton City, for Hamilton City Council - €11m
- **HEB Construction (VINCI Construction)** : a renewal of the 5 year general maintenance contract for rural (seal and unsealed) roads within the Selwyn District in the South Island including resurfacing. HEB was the incumbent on this contract for the last 5 years - €30m

- **HEB Construction (VINCI Construction)**, 42.5% / Downer, 42.5% / AECOM, 7.5% / Tonkin & Taylor, 7.5% : contract to design and build a breakwater, reclamation and wharf on the Chatham Islands, 780 km East of mainland New Zealand - €35m

## Philippines

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- **BOUYGUES CONSTRUCTION** : turnkey EPC contract for a photovoltaic farm including a commitment on the performance of the facility at the time of handover and during the early years of operation - €154m



- **VEOLIA WATER TECHNOLOGIES**, in a consortium : drinking water treatment plant project with extraction of brackish water from Laguna de Bay and a water treatment plant (pre-ozonation chemical treatment and reverse osmosis) with a capacity of 50,000 m<sup>3</sup>/d to provide water for 400,000 people - €29.6m (Veolia Water Technologies share)

## Republic of Fiji

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- **SUEZ-Treatment Infrastructure** : equipment contract including the engineering, supplying and commissioning of 2 Degrémont® compact unit (UCD® - compact plant that is particularly well suited to supplying drinking water to small urban or rural communities) to produce drinking water for the towns of Namau (5,750 m<sup>3</sup>/d) and Baletuvo (4,140 m<sup>3</sup>/d)

## Vietnam

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- **Bachy Soletanche Vietnam (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : Dai Quang Minh, 26,904 m<sup>2</sup> diaphragm wall, 62 shaft grouted barrettes and plain barrettes, 203 bored piles and 240 plunged-in steel columns (kingposts) in five months for a complex with 4 basements, a 7-storey commercial center and a 18-storey office building - €16m



- **SADE** : Thay Nguyen city, study and design of a complete sewerage network, including stations - €10.796m
- **VEOLIA WATER TECHNOLOGIES** : extension of the Boun Ma Thout wastewater treatment plant from 8,000 m<sup>3</sup>/d to 14,200 m<sup>3</sup>/d and improvement of the initial water quality using MBBR biological process and disc filtration - €12m

## NORTH AMERICA

### Canada

- **Carmacks (EUROVIA)** : major highway bypass project (Regina Bypass) in the capital city of the province of Saskatchewan in central Canada. This public-private partnership contract brings together several VINCI Group subsidiaries, pooling their complementary areas of expertise. The Regina Bypass will contribute to the province's economic and urban development - €150m
- **Carmacks (EUROVIA)** : highway 28A in Alberta, planning and asphaltting activities, reconfiguration of the accesses, replacement of culverts, modifications and upgrading of the bridge guide rails, and installation of the lighting at intersections, horizontal road signs, and rumble strips. Since the project, completed in October 2016, was carried out in a migratory bird-nesting zone, the teams conducted a count of nesting sites from May 1 to August 10 - €22m
- **Eurovia Québec (EUROVIA)** : contract to rebuild the main runway at Wabush airport located in Newfoundland and Labrador, more than 1,000 km North of Quebec City. Work included improvements to the drainage system, replacement of airfield lighting, and new asphalt surfacing (24,460 tonnes). The project was carried out successfully despite a tight schedule and constraints relating to alternating thawing and freezing conditions - €7m
- **SADE** : Montreal, Roxboro, sewerage : rehabilitation of a sewer with sleeves DN 225-1200 mm (6,635 lm) - €3.202m
- **SADE** : Montreal, sewerage : rehabilitation lining DN300-1350 mm (2,295 lm) - €5.462m
- **SADE** : Montreal, sewerage : pipes lining Ø 750x900 (400 lm), pipes lining Ø 600x900 (15,400 lm), pipes lining Ø 300x600 (3,000 lm), manholes (7 u) - €7.443m
- **SADE** : Montreal, sewerage : sewer pipes (350 lm), ductile iron pipes (1,180 lm), sewer manholes (10 u), lighting (800 lm) - €7.8m
- **SADE** : Montreal, drinking water : pipe DN 1200 (880 lm), sleeve DN 1200 (36 lm) - €4.15m

### United States

- **COLAS** : Hecla Mining Company, Greens Creek mining site (Alaska), tailings storage facility expansion, embankment - €22m
- **COLAS** : SR 80, Clinton County (Pennsylvania), improvement of approximately 16 miles of existing separated limited access highways with concrete patching - €15m
- **COLAS** : I-64, Segment I, Newport News (Virginia), widening the existing four-lane section to six lanes in both directions, milling and paving works - €16m
- **COLAS** : I-85, MM 56-68, Spartanburg County (South Carolina), 11 miles of full depth patching-pavement replacement including modified cross slope (360,000 tons HMA) - €46m
- **COLAS** : SR 17, McDuffie and Wilkes Counties (Georgia), widening and reconstruction of 16.7 miles roadway including 4 bridges (294,000 tons HMA) - €67m
- **COLAS** : I-75/SR401, Dooly County (Georgia), widening and construction on I-75, including construction of a bridge - €23m

- **COLAS** : Norfolk International Terminals (Virginia), North gate improvements : port entrance with grading, utility, paving and structural buildings - €26m



- **COLAS** : Caltrans, Los Angeles County (California), 11 miles of roadway improvement - €18m
- **Hubbard Construction Company (EUROVIA)** : improvement of the lanes of International Drive, in Orange County (Florida). International Drive, best known as I-Drive, is one of the major arteries in Orlando, and is a particularly touristic road since it serves a large recreational resort, stepping stone to the most visited attractions in the city, six of which include the largest theme parks in the world -SeaWorld, Discovery Cove, Aquatica SeaWorld's Waterpark, Wet 'n Wild, Universal Studios and Islands of Adventure- the second largest conference centre in the United States, and the I-Ride tramway. This project includes the on-site cold-recycling of 16 km of road, the construction of 8 km of road, and the setting up of pedestrian lanes in a high-traffic zone where at least 23,000 vehicles drive every day. Landscaping, drainage improvements and signage are also planned. The work started in August 2015 and will be carried out over 660 days - €15m
- **Hubbard Construction Company (EUROVIA)** : contract to rebuild and widen a 2.4 km section of the Florida State Road 21 (which links McMeekin to Jacksonville). The section is carried out on behalf of the Florida Department of Transportation in Northern Florida. The purpose of this road widening is to improve traffic flow in an area where some 33,700 vehicles pass through daily, and where traffic volume is estimated to increase by close to 35% over the next 20 years to reach 45,300 vehicles a day - €14m
- **Reinforced Earth Company (Terre Armée, Soletanche Freyssinet, VINCI CONSTRUCTION)** : I-4, Ultimate Area 2 Orlando, concession agreement including the design, construction, financing, maintaining and operation for 40 years of the improvement project of the intersate I-4 : 290,000 sqm of reinforced earth walls shall be provided - €29m



- **VEOLIA WATER TECHNOLOGIES** : construction of a centralized water treatment facility for industrial wastewater produced during the shale gas extraction process for Antero Resources with an expected production of 60,000 barrels per day - €214.6m
- **VEOLIA WATER TECHNOLOGIES** : advanced water treatment system : Actiflo clarification of the main stream (38,000 m<sup>3</sup>/day) ; second stream, removal of TDS, sulfates and metals via Multiflo softening, metal precipitation, multimedia filtration and reverse osmosis (540 m<sup>3</sup>/day) - €13.1m

## LATIN AMERICA

### Brazil

- **VEOLIA WATER TECHNOLOGIES**, in a consortium : Horizonte 2, design and build of three water treatment units : demineralized water production (16,600 m<sup>3</sup>/d) ; Actiflo clarification process with TGV filters (185,000 m<sup>3</sup>/d) ; wastewater treatment with AnoxKaldnes™ BAS™ process (166,000 m<sup>3</sup>/d) - €38.4m (Veolia Water Technologies share)
- **VEOLIA WATER TECHNOLOGIES** : Tupi, water treatment package for a VLCC (supertanker) to FPSO (floating platform) conversion project led by MODEC for Petrobras. The package includes pre-treatment, sulphate removal unit (SRU), vacuum deaeration package, and ancillary systems to be installed on a single module - €26.9m

### Chile

- **Bitumix (EUROVIA)** : contract to rebuild Taltal. At the end of March, torrential rains fell in Northern Chile, especially in the regions of Antofagasta and Atacama, causing extreme flooding, which seriously damaged sidewalks. The second largest city in the region of Antofagasta with 11,000 inhabitants, Taltal, was the most heavily hit with the destruction of the streets and the accesses to this coastal city - €3m
- **Bitumix (EUROVIA)** : new maintenance contract for highway surfaces with the Abertis' concession company on the radial highways of Santiago (routes 68, 78 and 57), the concessions of Andes (route 60) and El Elqui between Los Vilos and La Serena (Route 5 North). The work involves the application of hot-mix and cold-mix surfacing, after preparing supports (milling, purges, sealing cracks). This contract involves laying special asphalt (BBTM, Renfovia EM and SMA - Stone Mastic Asphalt), but also applying a dust suppressant and waterproofing the bridge decking. It is the third consecutive year that Bitumix was awarded the highway maintenance contract by this concession company, which has meant consolidating Bitumix's activities and highlighting the skills of its teams. Since setting up infrastructure concessions in Chile 20 years ago, Bitumix has had multiple contracts for road construction and maintenance - €9m



- **Eiffage Energia (EIFFAGE)** : construction of a solar power station in Quilapilum for SunEdison - €30.5m



- **Eiffage Energia (EIFFAGE)** : construction of a substation and high-voltage power line to the site of Sierra Gorda Este wind farm for Enel Green Power Chili - €13m
- **VINCI Construction Grands Projets (VINCI Construction)**, 50% / ASTALDI, 50% : airport of Santiago de Chile, a design and build project to extend the airport. The project consists of operating and developing the airport, mainly : the renovation of the existing installations with the reorganization and the extension of the current terminal ; the financing, designing and the construction of a new terminal of 175,000 m<sup>2</sup>, which will carry the capacity of the airport to 30 million passengers, extensible beyond 45 million ; concession operations during the whole contract period (20 years) with regards to the airport infrastructures : existing and new terminal, parking lots and future real estate developments - €391.5m (VINCI Construction Grands Projets share)



## Cuba

- **BOUYGUES CONSTRUCTION**, 50% / ARCOS, 50% : construction of a new 5 star hotel “The International Hotel of Varadero” , with a total capacity of 924 rooms - €68m (Bouygues Construction share)
- **BOUYGUES CONSTRUCTION**, 50% / UCM, 50% : construction of The Laguna del Este 5 Hotel on the Cayo Santa Maria. This hotel will be a resort-class hotel with a total capacity of 802 keys - €63m (Bouygues Construction share)
- **Bouygues Bâtiment International (BOUYGUES CONSTRUCTION)**, 50% / UCP, 50% : construction of The Packard Hotel in Havana. Nestled in the heart of Habana Vieja, the historic and touristic centre of the capital, the Packard Hotel is the second renovation project of Bouygues Batiment International in Havana after restoring the Manzana Hotel. Built on remains of the former hotel bearing the same name, the Packard will keep a part of its Colonial facades. In a refined and contemporary style, the hotel will boast 321 rooms, several fine-dining establishments and an infinity pool - €44m (Bouygues Construction share)

## Haiti

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- **RAZEL-BEC** : airport runway of Port-au-Prince - €7.7m (Razel-Bec share)

## Mexico

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- **Entrepose Contracting (VINCI Construction)** : EPC contract for the underground storage facilities used for storing Gas LP at Coatzacoalcos - \$80m

## Peru

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- **SADE** : Cuzco (altitude : 3,500 m), drinking water supply : ductile iron pipes DN 800 and 400 (18,600 lm), crossing of particular points, locked pipes (1,000 lm) - €10.7m

## Trinidad and Tobago

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- **Soletanche Bachy International (Soletanche Bachy, Soletanche Freyssinet, VINCI CONSTRUCTION)** : port of Brighton, reparation works of the berth 2, la Brea, realization of a combi-wall in front or on the line of the existing structure, extension and upgrade of the existing load-out deck and a new quayside with a reinforced concrete cope, new fenders, ladders and bollards - €42m