

# INTERNATIONAL NEWS

## 12<sup>TH</sup> ISSUE - DECEMBER 2016

The Koruseo consortium led by Egis with Ingerop as partner has been awarded the design and works supervision of the civil engineering structures of the Eastern section of line 15 of the Grand Paris Express, a 23 km underground metro line. Ingerop is already part of a consortium on line 17, a 24 km of metro section and is leader of the consortium for line 18, the 35 km long metro line planned to open in phases between 2023 and 2030 which will connect Orly airport to Versailles station. Ingerop thus confirms its strong technical involvement in one of the biggest urban development in the world with 200 km of metro line and 56 stations. Already in charge of the draw up of the overall technical report for all the lines back in 2012 being awarded the contracts of design, management and supervision of the construction of a subsection within Line 15 Southern Section and having completed the preliminary studies of Line 15 Eastern Section, Ingerop is a key player on this 15-year long mega project. Our expertise allows for global engineering services in metro projects, ie from feasibility and traffic studies to detailed design including complete tunnelling and underground stations design capacities.

This edition of Ingerop International Newsletter will focus on 2 other metro lines currently under operation or construction abroad, namely Line 1 of Lima metro and Sydney metro.

**Christophe Blanc, International Director**

### FOCUS



#### SYDNEY METRO [NORTH WEST RAIL LINK] – PROVISION OF CONSTRUCTION STAGE TECHNICAL ASSISTANCE.

Rendel's bridges team, led by Sam Khan has been appointed by the Principal Contractor, Impregilo-Salini JV [ISJV], on the Sydney Metro project to provide construction stage technical assistance. The technical assistance will primarily focus on the Windsor Road cable-stayed bridge but will also extend to the 4.5km long segmental viaduct.

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#### LIMA METRO : A LONG TERM RELATIONSHIP

Ingerop, currently performing the design of Line 3 (34 km-long of which 26 are underground and 26 stations), has been awarded another contract for Line 1 by the operator « Metro Línea 1 ».

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#### ABLE MARINE ENERGY PARK - CATEGORY 3 CHECKER

Rendel, INGEROP's UK subsidiary, has signed an agreement in 2016 with NIRAS Fraenkel to provide Category 3 checking on Able Marine Energy Park (AMEP). NIRAS Fraenkel is carrying out the detailed design of the project.

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#### INGEROP – in the heart of innovation

Ingerop is organizing his 3rd Innovation Award in December 2016. As part of our company philosophy "Inventing for tomorrow", this 3rd edition aims at awarding engineers for their contribution to the evolution of Ingerop's technical or technological portfolio by their own or in a collaborative way in an incubator project's context.

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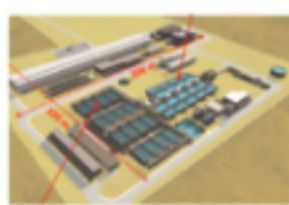
#### AWARDS

##### THE SARAGOSSA TRAMWAY WINS THE GLOBAL LIGHT RAIL AWARDS

The tram of Zaragoza (Spain), one of Ingerop's flagship project, received the Award for the best environmental initiative by GLOBAL LIGHT RAIL AWARDS in London on October 5th, 2016.

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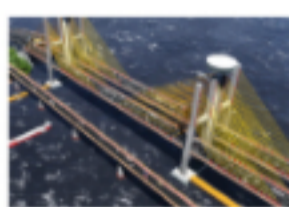
### IN BRIEF



#### BARKA DESALINATION PLANT IN OMAN

Degrémont, a subsidiary of Suez Environment, a world leader in water treatment with two thirds of its activity overseas, has awarded Ingerop the construction design of the project for the Barka desalination plant in OMAN.

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#### NEW ZUARI BRIDGE IN GOA – INDIA

The tremendous traffic growth in the existing 2-lane bridge over the Zuari river in Goa, India as well as its deteriorating conditions entailed the construction of an additional 8-lane bridge (dual 4 lane carriageway).

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#### AREN'ICE - FUTURE ICE HOCKEY TEMPLE IN FRANCE

The Aren'ice, future Ice Hockey temple in France, was inaugurated in Cergy Pontoise - Paris area on November 2016.

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#### GREATER MEKONG EXPRESSWAYS

Ingerop, as leader of a consortium with Ingerosec Japan and VEJEC Vietnam, has been awarded by the Asia Development Bank a Technical Assistance contract for the Greater Mekong Subregion Ha Noi-Lang Son and Ben Luc-Long Thanh Expressways.

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#### INTERNATIONAL REPRESENTATION

##### INGEROP TEAM AT THE FIB SYMPOSIUM

Ingerop was significantly represented at the Symposium of the International Concrete Federation (FIB), held this year in Cape Town (South Africa) from 21st to 23rd November.

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