

## Project News

### ● Jirau HPP last unit certified

On 20 October 2016, LEME Engenharia team signed the very last Jirau HPP certificate of erection completion of the 50th Generation Unit (and BOPs), which represents the conclusion of the main works and installation. Soon, the commissioning will be completed and the 50th GU will be connected to the National Interconnected System (SIN), delivering its full installed capacity of 3,750 MW.

Contact: [Rogerio Zamparoni](#)

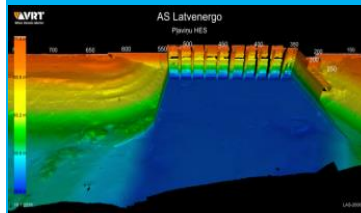
### ● Banja HPP inauguration

The Banja hydropower project located on the Devoll River in southern Albania has been officially inaugurated on September 23 in the presence of the Prime Minister of Albania, Edi Rama. Tractebel in joint venture with Mott MacDonald, acted as owner's engineer on the scheme for Statkraft AS of Norway

Contact: [Federico Ferranti](#)

## Technology Watch

Lahmeyer provides 3D coupled transient flow and deformation modelling services to AS Latvenargo in Latvia. The company is operating the Plavinas run-off river plant with a capacity of 882 MW and a head of 40 m. The power house was commissioned in 1968. It is partly founded on fine-grained soils with artesian aquifers. Relief well blowout and subsequent plugging of drainage wells resulted in increasing pore water pressures and local liquefaction of the powerhouse foundations.



Sonar image of the approach channel at Plavinas spillway by VRT Finland Oy, 2016

The objective of the model is the simulation of the impact of seepage forces on the stability and deformation behaviour of the powerhouse. In July 2016 Lahmeyer started modelling works with Plaxis 3D.

Contact: [Dr. Roberto Kohane](#) – [Dr. Olivier Semar](#)

## News from the Group

On 4 and 5 October 2016 our four Geographical Entities met for intensive exchanges at the **Hydro Seminar in Brussels**. Meeting colleagues, getting to know each other, our interests and constraints in our challenging businesses all around the world was a thrilling experience. During the seminar we worked together on different topics and identified most valuable activities to strengthen the cooperation of our geographical entities towards ONE company. We have weighed and analysed all elements and selected the most valuable contributions, which we will now bring to life. We will keep you informed.

**Hydro 2016 - Switzerland**, Tractebel presented 7 publications (Construction of the New Assiut Barrage & Hydropower Plant: major challenges during the dewatering operations, Gravity dam safety evaluation under seismic action using simplified methods, Construction of the Laúca HPP as backbone of the electricity grid in Angola and others).

Contact: [Erkan Tekirdaglioglu](#) & [Dr. Yannick Scheid](#)

## Contract Awards

- ✓ **Owner's Engineer Services - 1124 MW Kohala HPP**  
On 8 September 2016 Lahmeyer signed the contract with Kohala Hydro Company (Pvt.) Ltd for the 1124 MW Kohala HPP on the Jhelum River in Pakistan. The 23.5 million USD assignments will be carried out in a joint venture with a Chinese Partner.

Contact: [Dr. Rüdiger Siebel](#)

- ✓ **GKW – Design for wastewater treatment plant in Medellín, Colombia**  
On 29 August 2016 GKW Consult in joint venture with HMV was awarded for additional services within the consultancy for detailed design of the wastewater treatment plant in Medellín, Colombia. One of the biggest and most modern wastewater treatment plants in Latin America. The contract value amounts to 420 k€.

Contact: [Dr. Ralf Bufler](#)