



## A new experience

For the very first time, ANDRITZ Hydro invited the audience on a virtual tour through a hydropower plant. The virtual reality (VR) equipment presented a “real” hydropower plant, but in a “virtual” environment. Able not only to support the proper arrangement of all electro-mechanical components, the system is also able to give an impression of the sounds and the dimensions of a plant. Furthermore, the virtual tour can provide astounding views of a hydropower project, for example diving into the draft tube of a turbine or flying above the gates. Many visitors took the chance to experience this new feature.

## REWA 2017

**BANGKOK – 19<sup>th</sup> -21<sup>th</sup>, September**

Now in its 25<sup>th</sup> year, Asia Power Week is the premier power industry event for the Asian continent and the leading platform for industry experts to gather, exchange knowledge, and generate modern solutions to regional challenges.

Over 250 international exhibitors and more than 8,300 visitors participated this year in the Renewable Energy World Asia conference and exhibition – part of Asia Power Week.

ANDRITZ Hydro participated in the conference and exhibition with an international team and presented a paper about Operations and Maintenance. Representatives from ANDRITZ Power Boilers also introduced interested visitors to the portfolio of this business segment.



## HYDRO 2017

**SEVILLA – 9<sup>th</sup> -10<sup>th</sup>, October**

In Spain for this event, more than 1,200 delegates from all over the world discussed a wide range of issues relating to hydropower. Particular emphasis was placed on international collaboration: working together in project planning and implementation to shape the future of global hydropower development.

ANDRITZ Hydro presented several papers on a range of topics such as fish surveillance, independent model testing, pump turbine rehabilitation, outstanding motor-generator design, the HIPASE success, and O&M market requirements.

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# WETEX 2017

**DUBAI (UAE) – 23<sup>rd</sup> - 25<sup>th</sup>, October**

The 19<sup>th</sup> Water, Energy, Technology, and Environment Exhibition (WETEX 2017), organized by Dubai Electricity and Water Authority (DEWA). This exhibition is one of the largest of its kind and some 1,900 exhibitors from 46 countries participated.

Ranked as one of the most attractive booths at the exhibition, ANDRITZ Pumps brought in visitors from various international companies, as well as representatives from world's leading players in water, energy, and environment. ANDRITZ Pumps presented their portfolio for the water and desalination industry. In particular, the double-suction axial split case pump, which reaches efficiencies of more than 90%, and the custom-tailored vertical line shaft pump were explored.

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## Customer Days 2017

ANDRITZ Hydro is pleased to invite customers, local partners, and suppliers, as well as representatives from governmental institutions, hydropower plant operators, the developers, and private investors to special Customer Days in various countries. These events are always a great success and present superb opportunities for an exchange of experience. They also offer an informative platform to explore ANDRITZ Hydro's latest developments and technology solutions, bringing the company closer to the market and its customers.

### **FOSHAN, CHINA – 13<sup>th</sup> - 17<sup>th</sup>, November**

For the second time, ANDRITZ Pumps China invited interested parties to its ANDRITZ Pump Coupling Alignment Competition seminar. More than 90 participants attended this event. Under the focal points of pumps service and energy savings, various presentations explored new ANDRITZ pump solutions and technologies. Additional emphasis was placed on the success story of the S-pump series over the last 20 years, as well as the brand new S-hydraulic kit.



### **HANOI, VIETNAM - 5<sup>th</sup> October**

For the sixth time now, ANDRITZ Hydro has invited participants to the Customer Day Vietnam, the comprehensive range of products and services offered by ANDRITZ Hydro was emphasized through a set of presentations. A special highlight of the presentations was the local capabilities and services available from the new local set-up.

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## NEPAL

## KALANGA PROJECT CLUSTER

## Energizing the Himalayas

ANDRITZ Hydro further strengthened its position in Nepal by bagging a contract for three hydropower projects in the Kalanga river basin after nine long months of deliberations. ANDRITZ Hydro was chosen as the supplier for electro-mechanical equipment by the Kalanga Group of Companies of Nepal, a well-known independent power producer (IPP).

The projects are located in the Bajhang District in the far west of Nepal. ANDRITZ Hydro is to supply three vertical, four-jet Pelton turbines for HPP Upper Kalanga Gad, two horizontal Francis turbines for HPP Kalanga Gad and two horizontal Pelton turbines for HPP Upper Sanigad, including the entire electro-mechanical equipment. Erection and commissioning conclude the scope of the contract.

The projects are all scheduled to be put into commercial operation by mid- respectively the end of 2020 and are set to boost Nepalese energy production by a total of more than 64 MW.

**Technical data Upper Kalanga Gad:**

Total output:	38.46 MW
Scope:	3 × 12.82 MW
Voltage:	11 kV
Head:	589.29 m
Speed:	750 rpm
Runner diameter:	1,250 mm

**Technical data Kalanga Gad:**

Total output:	15.34 MW
Scope:	2 × 7.67 MW
Voltage:	11 kV
Head:	115.83 m
Speed:	600 rpm
Runner diameter:	1,073 mm

**Technical data Upper Sanigad:**

Total output:	10.7 MW
Scope:	2 × 5.35 MW
Voltage:	11 kV
Head:	416.05 m
Speed:	750 rpm
Runner diameter:	1,070 mm

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## NEPAL

CUSTOMER DAY  
KATHMANDU

After a very successful event in 2016 and the founding of the local office, the local Nepalese Managing Director and CEO, Mr. Dibesh Shrestha, was pleased to welcome customers, investors, partners, governmental institutions and other interested companies to the ANDRITZ Hydro Customer Day in Kathmandu, Nepal. This second customer day in the Himalayan nation took place on November 1<sup>st</sup> and 2<sup>nd</sup>, 2017.

Energizing Nepal has been a priority for ANDRITZ Hydro for the last 20 years. Offering state-of-the-art products, services and technologies, ANDRITZ Hydro is

striving to become the ideal partner in Nepal's energy sector.

ANDRITZ Hydro has currently more than 25 projects ongoing in this promising market, among which are Upper Tamakoshi (456 MW), Nepal's national prestigious and biggest project, and Middle Bhotekoshi (102 MW), the third biggest hydro project in Nepal to date.

The Customer Day Nepal once again demonstrated the strong position of



ANDRITZ Hydro as a reliable partner in developing the Nepalese hydropower potential and strengthened the company's position in this very dynamic region.

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