

SMALL & MINI HYDRO HIGHLIGHTS



HUNTER CREEK

British Columbia | Canada

Starting commercial operation in 2018

Output: 1 × 11.2 MW

Scope: Vertical 6-jet Pelton turbine

Highlight: hot re-synchronization operating mode



SAN ANDRÉS

San Andrés River | Colombia

Output: 2 × 11 MW

Scope: W2W package including 2-jet Pelton turbines



TRAUNLEITEN

City of Wels | Austria

Output: 2 × 8.75 MW

Scope: Compact Bulb turbines

Highlight: replacement of existing power plant

→ [MORE ON PAGE 40](#)



LLYS Y FRAN

Llys Y Fran Reservoir | Wales/UK

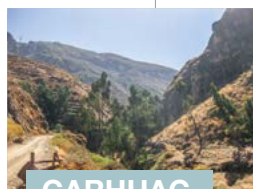
Successfully put into commercial operation

Output: 1 × 266 kW

Scope: Mini Compact Francis turbine

Highlight: Drinking Water application; order execution in record time

→ [MORE ON PAGE 41](#)



CARHUAC

In the last Hydro News No. 31 there was a mistake in the total capacity of HPP Carhuac in Peru. The hydropower plant has a total output of 20 MW.

Updated status: erection ongoing; expected commissioning during first 1st half of 2018



ANGEL I TO III

Carabaya Province | Peru

Erection finished by end 2017; commissioning expected early 2018

Output: Each 2 × 10 MW

Highlight: cascade system consisting of three identical small hydropower plants



BARRINHA

Santa Caterina | Brazil

Output: 1 × 1.8 MW

Scope: Compact Axial turbine

Highlight: First Mini Compact in Brazil

→ [MORE ON PAGE 41](#)

Global underlying market trends for small and mini hydropower in Asia and Africa remain positive. Megatrends such as population growth, increasing urbanization and the on-going need for access to electricity continues to see many small hydropower projects developed. Furthermore, complementary development with wind and solar projects is a growing and evolving theme as small and mini hydropower solutions become more economically competitive, even in the short and mid-term.



STORÅSELVA

Central Norway

Work on schedule

Output: 3×8.85 MW

Scope: horizontal Francis turbines

Highlight: first plant to be built according to the international environmental standard CEEQUAL

→ [MORE ON PAGE 40](#)



ISSYK 1

South-eastern Kazakhstan

Installation completed

Output: 1×5.3 MW

Scope: "from water-to-wire" package



RHONE OBERWALD

Canton Wallis | Switzerland

Successfully put into commercial operation

Output: 2×7.5 MW

Scope: vertical 6-jet Pelton turbines

Highlight: powerhouse in cavern with a return gallery into the Rhone River



NEW

KALANGA PROJECT CLUSTER

Bajhang District | Nepal

Output: more than 64 MW in total

Scope: electro-mechanical equipment for three projects
Upper Kalanga Gad, Kalanga Gad und Upper Sanigad

→ [MORE ON PAGE 42](#)



KASHIMBILA

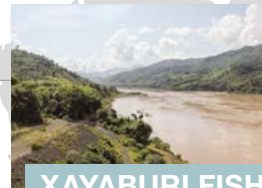
Katsina River | Nigeria

Commissioning finalized

Output: 4×10 MW

Scope: vertical Compact Axial turbines

Highlight: small hydropower solution for a multipurpose dam



XAYABURI FISH-LOCK

Mekong | Lao PDR

Ongoing installation

Output: 2×3.73 MW

Scope: Compact Axial turbines

Highlight: integrated into the fish-lock system of one of the largest hydropower plants in Lao PDR