



# Cluny

Follow-up refurbishment project in Australia

↳ Dam and hydropower station

**F**ollowing the successful completion of the **Paloona hydro-power project (2011–2014)**, **ANDRITZ HYDRO** has now received an important follow-up contract for the rehabilitation and upgrade of one turbine at the **Cluny hydro-power station in January 2014**.

HPP Cluny is the ninth of 10 hydro-power stations in the Derwent scheme, which is located in southern Tasmania, an island southeast of Australia. The Derwent hydropower scheme is divided into an upper and a lower section. The upper section of the scheme uses larger and deeper lakes for storage than the lower, which combines run-of-river projects. HPP Cluny is part of the lower section.

By offering its successful environmental friendly oil-free Kaplan runner concept in combination with high quality equipment manufactured out of Europe, ANDRITZ HYDRO presented a compelling business case to the customer.

Derwent River at the outlet of the hydropower plant



↳ Contract signing

Furthermore ANDRITZ HYDRO is the Original Equipment Manufacturer (OEM) of the existing unit, commissioned in 1967 and equipped with one Kaplan turbine.

ANDRITZ HYDRO will supply the complete engineering solution, including an oil-free 22.9 MW Kaplan runner, guide vanes and guide vane regulating mechanism, head cover, facing plates, shaft seal, servomotor for the runner as well as the inner top cover, the hydraulic power unit, and the digital turbine governor.

The delivery of major components for this project is scheduled for October 2015. All installation works and the refurbishment of reused components will be done by the project owner Hydro Tasmania.

Following the contract in 2011 for two Kaplan turbines at HPP Paloona and HPP Meadowbank as well as several Service and Rehabilitation orders, this award again confirms the fruitful cooperation between ANDRITZ HYDRO and Hydro Tasmania in Australia. It is an excellent opportunity to present our technology and to gain an important reference project in the Australian market.

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#### TECHNICAL DATA

Output: 22.9 MW / 21.25 MVA
Voltage: 11 kV
Head: 15.94 m
Speed: 115.4 rpm
Runner diameter: 4,500 mm

