

This Italian project has two VLH DN 5000 turbines installed in a by-pass channel that was constructed parallel to the river and perpendicular to an existing weir.

**ISOLA DOVARESE
 HPP CASE STUDY**



VLH	DN 5000 (x2)
NET HEAD	3.2 m (10.5 ft)
NOMINAL FLOW	23.5 m ³ /s (830 cfs)
NOMINAL OUTPUT VLH (at grid level)	500 kW (x2)
AVG ANNUAL PRODUCTION	5.6 GWh/year equivalent to 1 M €/year
OVERALL INVESTMENT COST	5.4 M € for the complete HPP
SIMPLE PAYBACK	5.5 years
COMMISSIONED	December 2012



General view of the site after construction of the HPP (artist view)



General view of the site after construction of the HPP

