

Nossa Senhora das Mercedes Small Hydro Power Plant

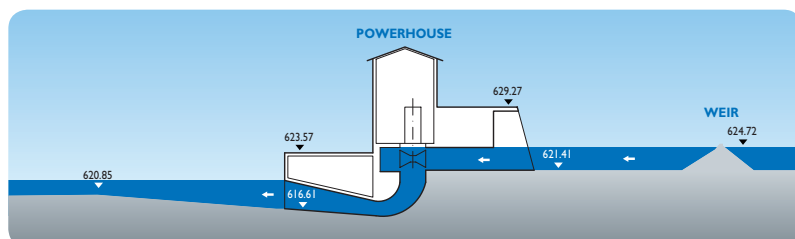
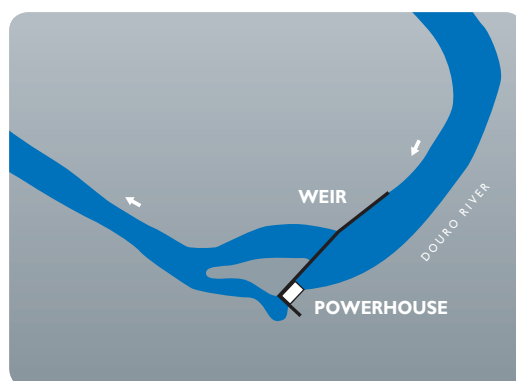


BACKGROUND

Nossa Senhora das Mercedes has 2.20 MW nominal installed power. It is located in Villarlalbo (Spain) and is commercial operated by Enerduero Zamorana, S.A.

MAIN CHARACTERISTICS

Company	Enerduero Zamorana, S.A.
Location	Villarlalbo
Start-up Date	1993
Installed Power	2.20 MW
River	Douro
Useful Volume of Reservoir	60,650 m ³



TECHNICAL CHARACTERISTICS

Turbine

N.º of Turbines	2
Manufacturer	Sulzer
Type	Kaplan Vertical
Gross Head	3.30 m
Flow Rate	2x35 m ³ /s
Rating	2x1,110 kW
Rotational Speed	750 rpm
Type of Isolation Valve	Butterfly

Generator

N.º of Generators	2
Manufacturer	Alconza
Type	Asynchronous
Rating	2x1275 kVA

