

BACKGROUND

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

MAIN CHARACTERISTICS

Company Enerduero Zamorana, S.A.

Location Villalarbo

Start-up Date 1993

Installed Power 2.20 MW

River Douro

Useful Volume of Reservoir 60,650 m³

TECHNICAL CHARACTERISTICS

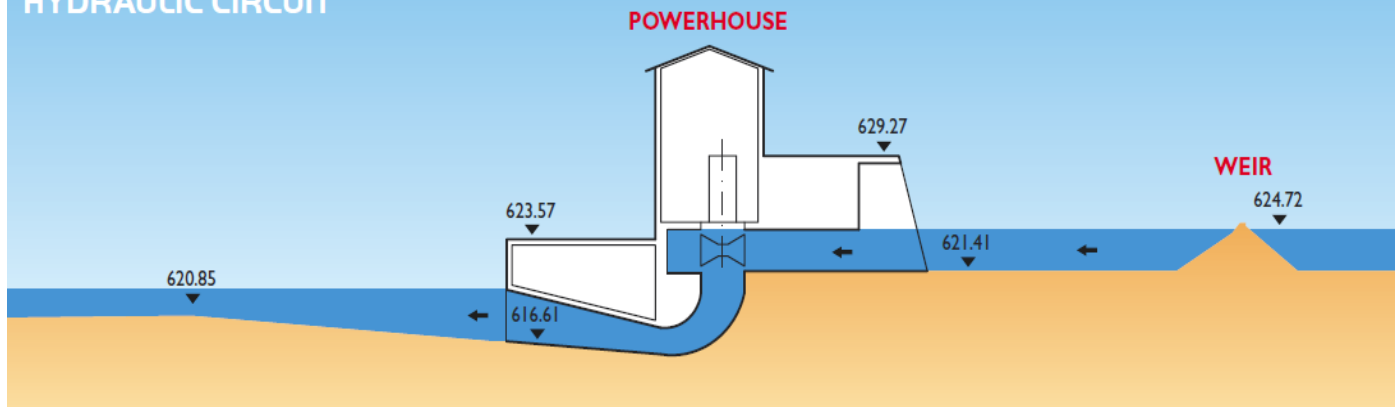
TURBINE

Nr of Turbines	2
Manufacturer	Sulzer
Type	Kaplan Vertical
Gross Head	3,30 m
Flow Rate	2 x 35 m ³ /s
Rating	2 x 1.110 Kw
Rotational Speed	750 rpm
Type of Isolation Valve	Butterfly

GENERATOR

Nr of Generators	2
Manufacturer	Alconza
Type	Asynchronous
Voltage	660 kV
Rating	2 X 1.275 Kva

HYDRAULIC CIRCUIT



LAYOUT

