



## Pereira

*4.5 MW Hydropower plant, Portugal*

### Technical Data

Total installed capacity	4.5 MW
Turbine type	Vertical Pelton
Number of turbines	1
Modular flow	0.59 m <sup>3</sup> /s
Net head	238 m

### Project Description

The hydropower plant, Pereira, is located in the municipality of Castro Daire, district of Viseu, on the Carvalhosa creek. It is part of RP Global's operating portfolio of small hydro-power plants in Portugal. Pereira is a 'run-of-river' type hydropower plant, that includes a 600 rpm turbine with three jets, a small weir with no storage, a 1.5 km low pressure pipeline, a surge tank, a 1 km penstock and a power house. The power house is situated on the right margin of the Paiva River. All pipes are buried in order to minimize any aesthetic or environmental impact. Pereira was connected to the grid in 2007.

