

Tyllwyd Hydro Electric Scheme

Client

Private Client,
J Raw

Location

Cwmystwyth
Ceredigion

Date

2013



The project consisted of the installation of 2no 100KW hydro schemes. The 2km pipeline was installed along an old leat system. A new weir was built within the river Ystwyth to transfer the water into the new pipe. A turbine house inclusive of a gantry was built to house the new Gilkes turbines.

- Butt fusion welding of 800mm OD pipework.
- Installation of over 2km of 800mm OD pipework within an old leat system.
- Installation of a new pre-cast concrete weir, inclusive of an intake chamber. A coanda screen was used to screen the water.
- construction a two new stone clad turbine houses for the new turbines and electrical elements of the scheme
- Installation of outfall pipework.
- Installation of HV cabling across an existing caravan park.

