

Low-Power Hydroelectric Installations



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- > **Amety's Code:** N9EE36E
- > **Open to exchange students:** Yes

Presentation

Description

Hydropower: different types of structures

Dams, their classification and monitoring

The different turbines and how to choose them according to the structure's characteristics

Hydrology of a development, water intake, inflow and outflow structures, turbines and available power, environmental impacts and mitigation measures. Regulations to be applied.

Organization and legislation of hydropower production in France, purchase obligation contracts.

Technical and economic pre-dimensioning of a power plant (BE).

Visit to the EDF Bazacle production site