

Nature's resources at work



Small-scale hydro-electric generation, "Rabbishuppet", Ihreån

Mankind has used the power of water for hundreds of years. As early as the middle ages several watermills were in use along the Ihre river. The new hydro power station at Ihre is today driven by two turbines function combine to enhance the natural setting. The energy produced is primarily used to provide heating and lighting for a nearby greenhouse and any surplus electricity is sold to Gotland's local electricity company. Rabbishuppet (bunnyhop), as the station is called, is also designed to receive groups of visitors so that anyone who is interested can see the turbines in action.

The turbine house is itself a work of architecture where both form and

Facts:

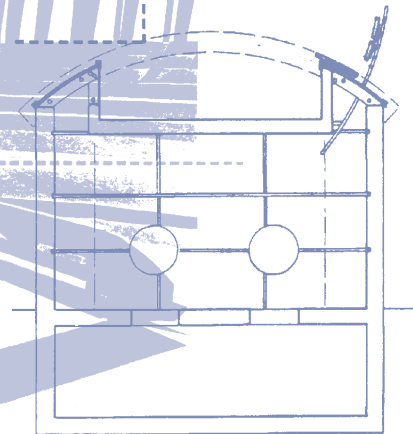
- Rabbishuppet produces c:a 100 MWh / year.
- The large turbine has a running-wheel diameter of 45 cm, receives 450 l water / sec., gives 18 kW power from the generator.
- The small turbine has a running wheel diameter of 28 cm, receives 250 l water / sec., gives c:a 9 kW power from the generator.
- With both turbines in action the station can be used with a water flow from 50 l / sec. to 700 l / sec.

Project co-operation:

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Claes-Henric Appelquist, (designer)

Further information

www.gotland.se/EKOKOM



Viewing platform