Mini Compact Hydro
Dedicated solutions for small hydropower plants

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Mini Compact Hydro

Your benefits

Standardized range of electromechanical systems for small hydro power plants

High guaranteed performances based on existing model tested profiles resulting in secured and optimized energy production

“From water to wire” concept including turbine, generator, inlet valve, electrical power system & automation

Wide application range with different arrangements

Kaplan
20 to 1,500 kW
Hn < 26 m

Francis
20 to 3,000 kW
Hn < 150 m

Pelton
20 to 5,000 kW
Hn < 800 m
Kaplan turbines

Highlights
- suitable for any kind of site arrangement (spillway, weir, irrigation, channel, outlet from sewage treatment plants, drinkable water, etc.)
- single or double regulated
- from 3 up to 6 blades
- standard diameters from 600 to 3,100 mm
Francis turbines

**Highlights**
- horizontal or vertical shaft
- 6 types of spiral case and distributor, combined to 20 runner profiles
- Standard diameters from 300 to 1,200 mm

Pelton turbines

**Highlights**
- Horizontal shaft: 1 to 3 jets, 8 sizes of nozzles, 20 sizes of housings
- Vertical shaft: 1 to 6 jets, 6 sizes of nozzles, 11 sizes of housing
- Electrical or hydraulic nozzle servomotor
Electrical power system & automation

- Electrical power system & automation
- Selection of the highest quality products and components from the industry market for low failure rate solutions
- Lower investment costs, start-up simplification and short standstill times during system replacement are “solid” advantages for our customers. Integrated modular automation concepts make this possible
- Supply of a complete turnkey electrical power system: circuit breaker, protections, LV power cabinets, transformer, MV power cabinets. From water to wire
- Easy operation and maintenance of small HPP’s are key factor for their profitability. The extended utilization of smart phones, internet and GPS are state-of-the-art

Generator, inlet valve, auxiliaries

- Generator
- Spherical valve
- Butterfly valve
- Hydraulic power unit
- Cooling water systems

Selection of optimize solution and high quality partners
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