

Hydropower from VERBUND

Complete solutions for small hydropower plants



Fit for the
Energy Future
—
With us as your
Partner

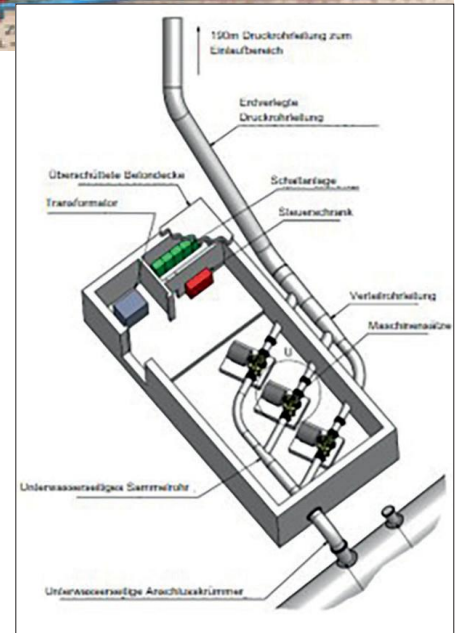
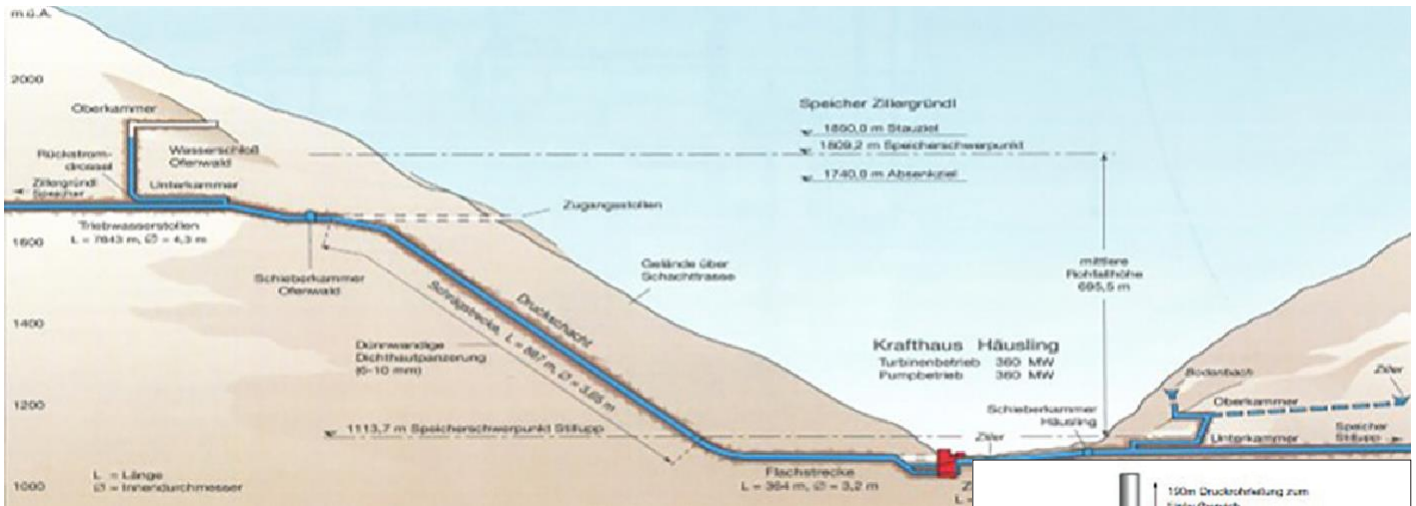
As operator of a small hydropower plant you benefit from our experience and knowledge when it comes to complete solutions for your plants. There are throttle valves for pressure reduction in your machines and plants? Cooling water, drain water or tributary ducts are draining off with high gradients but stay unutilised? Here the Design-to-Cost solutions by VERBUND come into play – from feasibility studies to operations.

VERBUND evaluates drains and hydraulic heads for production assessments. On the basis of these assessments we issue an economic efficiency calculation. We use this calculation to generate budget concepts in consideration of the desired return. For each budget concept we develop adequate, technical power plant solutions. In order to ease the decision-making process we support you collecting inventory documents, plan the power plant system, develop technical solutions in coordination with the supply industry and create concept drawings and studies.

Our services

- Compiling completion/submission documents
Applying decades of know-how VERBUND supports you with creating the necessary submission documents for acquiring assessments necessary for the implementation.

Picture: Small HPP Hirzbach



Top:
Longitudinal profile and
powerhouse, project Häusling

- Construction and assembly
We create tender documents and conduct awarding procedures together with you. You have recourse to our knowledge of the supply industry, the technical possibilities as well as the price level. The objective is to develop the ideal supply structure for your project.
- Design and calculation
VERBUND supports you from designing and calculating to the selection of materials and creation of manufacturing and assembly drawings. Whether engineering of pipes, pressure doors, or turbine components – VERBUND provides answers to your questions. VERBUND supports you during the preparation of technical documents and necessary calculations.
- Commissioning
We create the commissioning concept for you and coordinate it with everyone involved (e.g. suppliers, official experts). VERBUND gladly carries out measurements of process variables – like flow rate, pressure, time, degree of efficiency, stresses – during commissioning and verifies the results with the predicted calculations. In case of deviations we set measures to reach suitable plant parameters.
- Documentation
As a competent hydropower plant operator, documentation of our plants has always been at the core of our concerns. There is no supplier who delivers a machine and can guarantee the availability of production or quality records 30 years later.
- Operations management
VERBUND operates over 120 hydropower plants and has excellent experience with the operation and revision of hydropower plants. We gladly discuss the takeover of operation and revision activities.

- Our References
- Small HPP Hirzbach
 - Small HPP Stillupp (in construction)
 - Small HPP Häusling (in g)
 - Kleinkraftwerk Spiegelwald (in execution)

VERBUND is Austria's leading electricity company and one of the largest producers of electricity from hydropower in Europe. For 70 years we have been co-shaping the future of energy for upcoming generations, at the moment we are operating more than 120 hydropower plants in Austria and Bavaria (Germany).

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