



wasserkraft

TURBINES AND HYDROELECTRIC ENGINEERING

ALL FROM A SINGLE
SOURCE





INNOVATIVE SPIRIT

At WWS Wasserkraft GmbH, we combine a high level of technical know-how with an innovative spirit. Here, man and machine together produce the most modern hydroelectric power plant technology.



In addition to the highly efficient turbines, WWS Wasserkraft offers all key-components for hydropower stations such as hydraulic power units, turbine control systems, electrical switchgears and all necessary hydraulic steel structures.

All these services allow us to offer the best technical and economical solution for each of our clients' projects, whether it is a new power plant or a revitalisation.



An aerial photograph of a modern water treatment facility. A large, light-colored concrete building with a flat roof is situated on a gravelly bank. A long, white concrete ramp with metal railings extends from the building down to a river. The river water is a deep green color. A white van is parked on a gravel path next to the building. The background is a dense forest of tall evergreen trees. The overall scene is well-maintained and modern.

„QUALITY IS NOT AN ACT,
IT IS A HABIT“

Aristotle

HISTORICALLY COMMITTED TO HYDROPOWER

- WWS Wasserkraft is located in the charming small town Neufelden along the river called “Große Mühl”, where hydropower is already utilized since more than 200 years.
- Due to our history and long-standing experience doing maintenance and refurbishments on our own plants, WWS Wasserkraft is nowadays a global player for small hydroelectrical turbines from 100kW up to 10MW output per unit.
- We operate our own small hydropower plant which provides reliable green energy for the entire company.



LATEST HYDROPOWER TECHNOLOGY

■ TAILOR-MADE SOLUTIONS

WWS Wasserkraft uses its solid knowledge to fulfil all requirements of our customers.

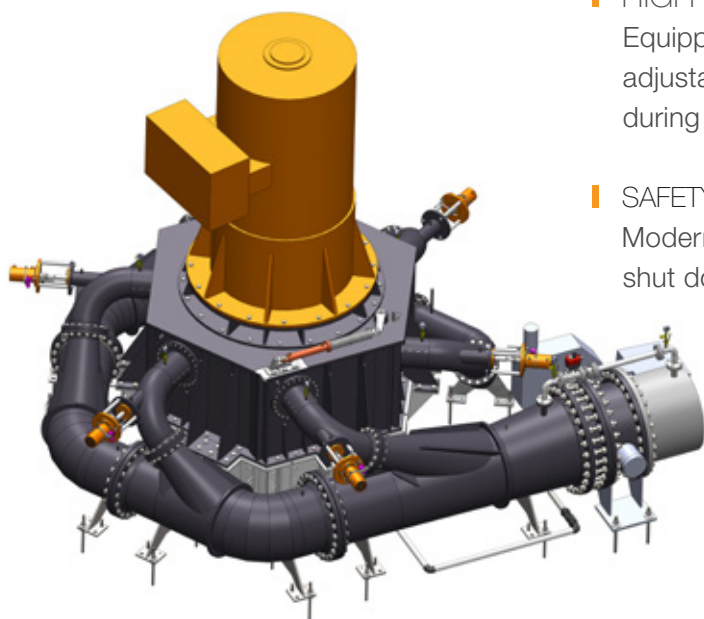
■ MADE IN AUSTRIA

We design, produce and assemble the key-components for your hydropower plant at our own factory in Neufelden, Austria.



EFFICIENCY AT ITS VERY BEST

PELTON TURBINE



■ HIGH-PERFORMANCE

Equipped with 1-6 injectors which are all individually adjustable, WWS Pelton turbines ensure best performance during maximum and minimum flow rates.

■ SAFETY

Modern security systems guarantee a safe turbine shut down even without electrical power.



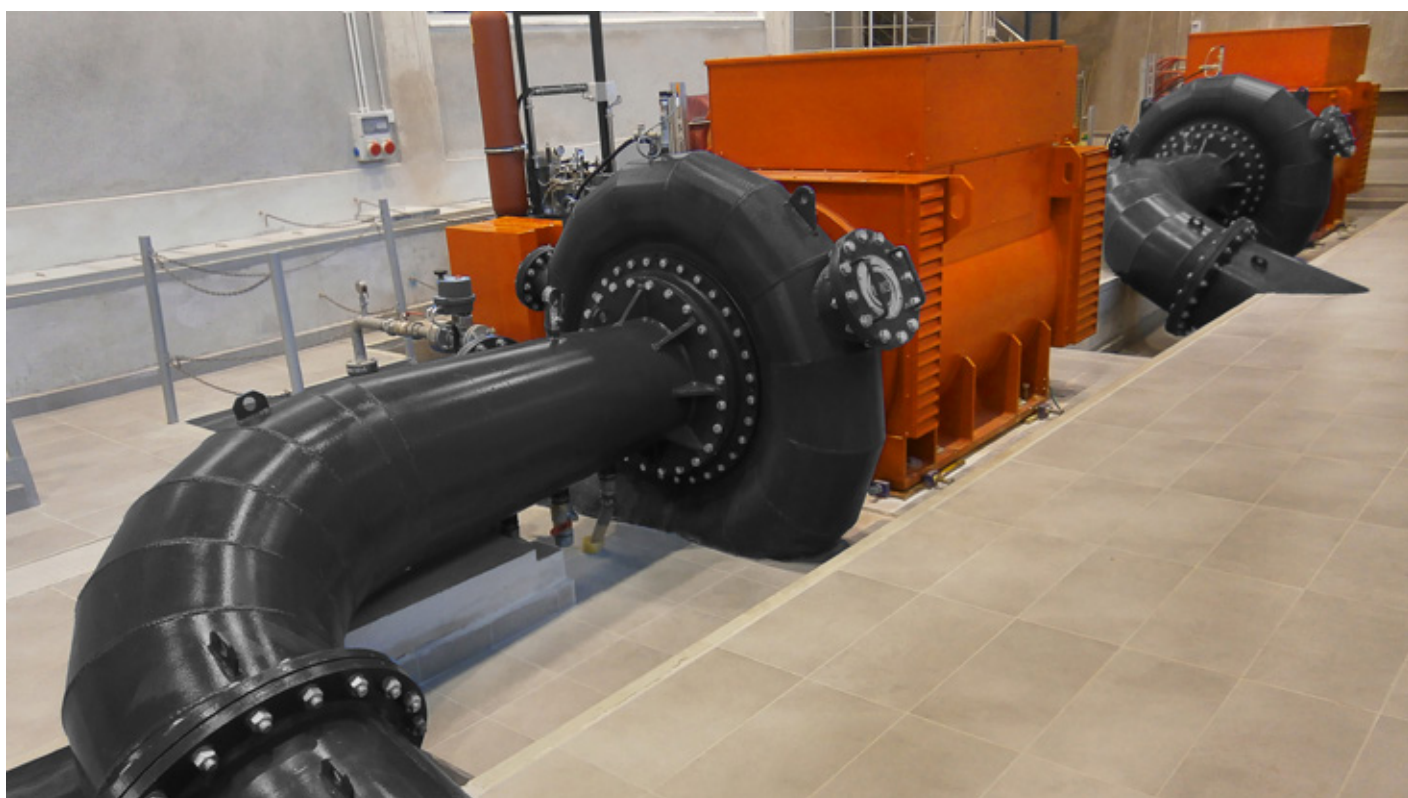
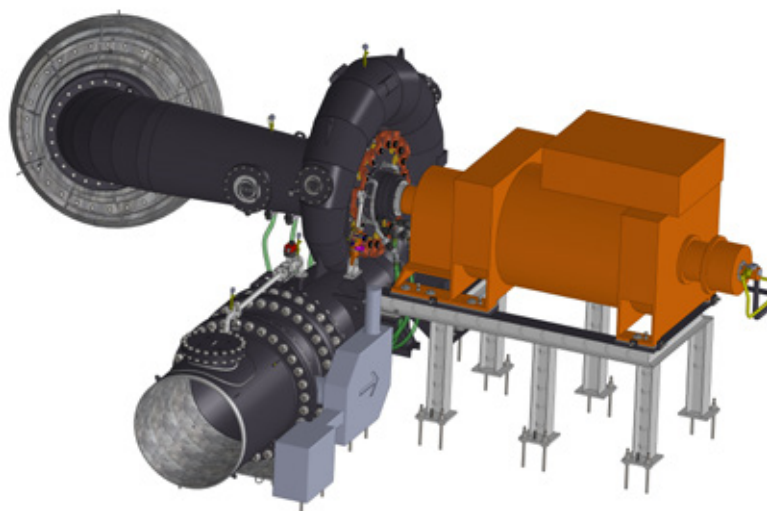
SOLID AND DURABLE FRANCIS TURBINE

LONG LIFETIME

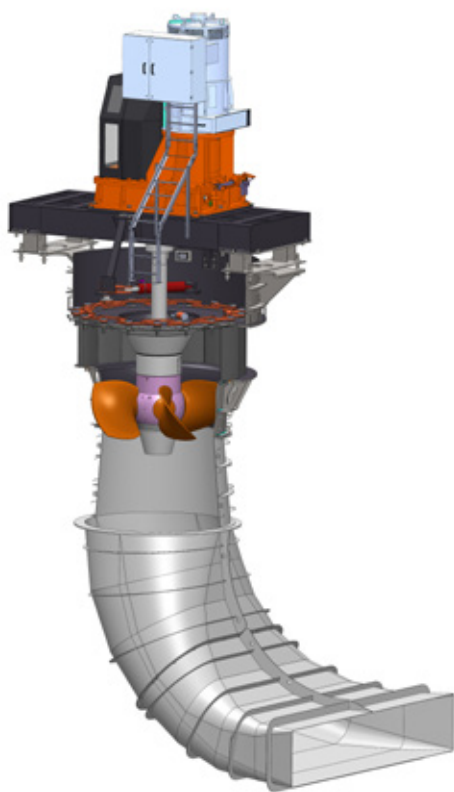
For highest loadability over many years – our turbine runners are milled out of one single forged disc.

EASY MAINTENANCE

Reliable WWS engineering simplifies turbine maintenance.



THE FLEXIBLE ONE KAPLAN TURBINE



VERSATILE

Various different turbine geometries guarantee a wide range of operation possibilities – from 2 meter to 40 meter head.

EFFICIENT

Double regulation of the turbine and a customized blade geometry ensure best return of investment.



RELIABLE AND TRUSTWORTHY IN-HOUSE DESIGN AND DEVELOPMENT

| SIMULATIONS

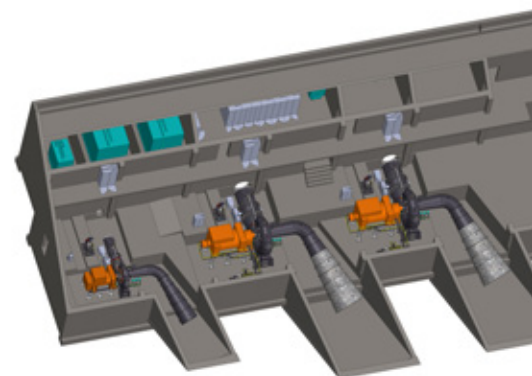
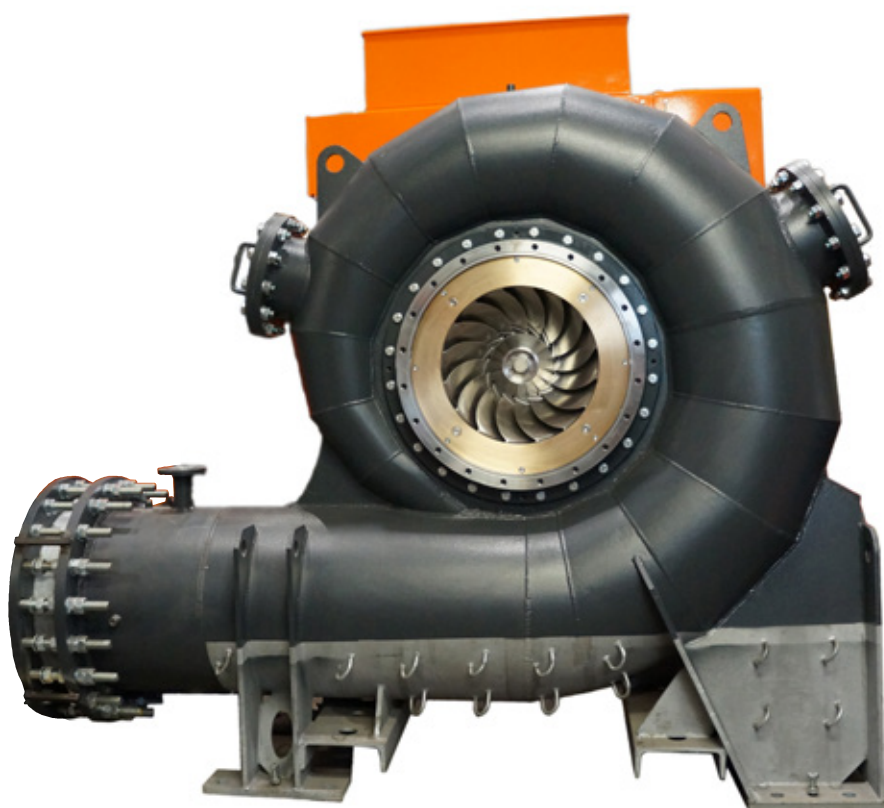
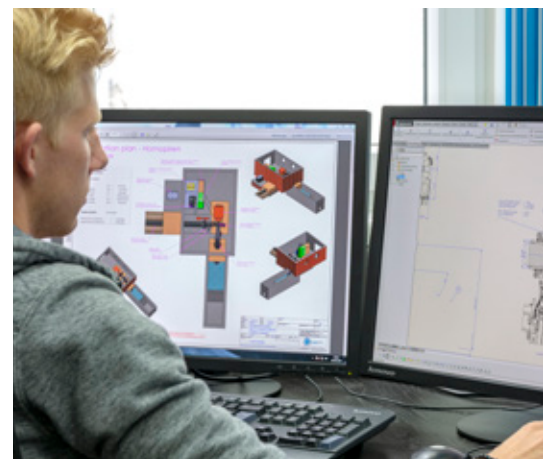
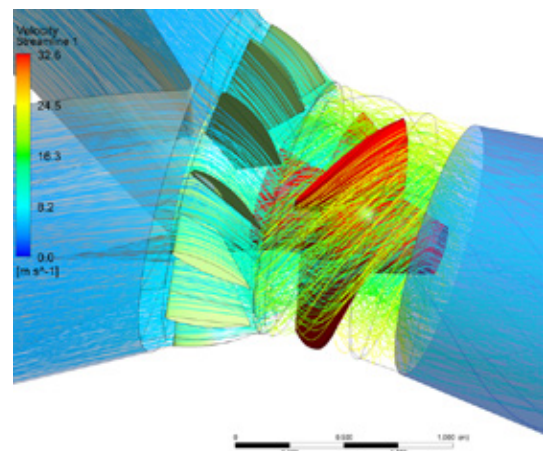
In cooperation with the technical University of Graz, we use latest state-of-the-art technology for further development of our turbines.

| MODERN TECHNOLOGY

Highly skilled engineers are designing each part of the turbine on modern CAD programs.

| PROFESSIONAL EXECUTION

WWS customers benefit from the strict compliance of national standards and the company's internal quality control systems.

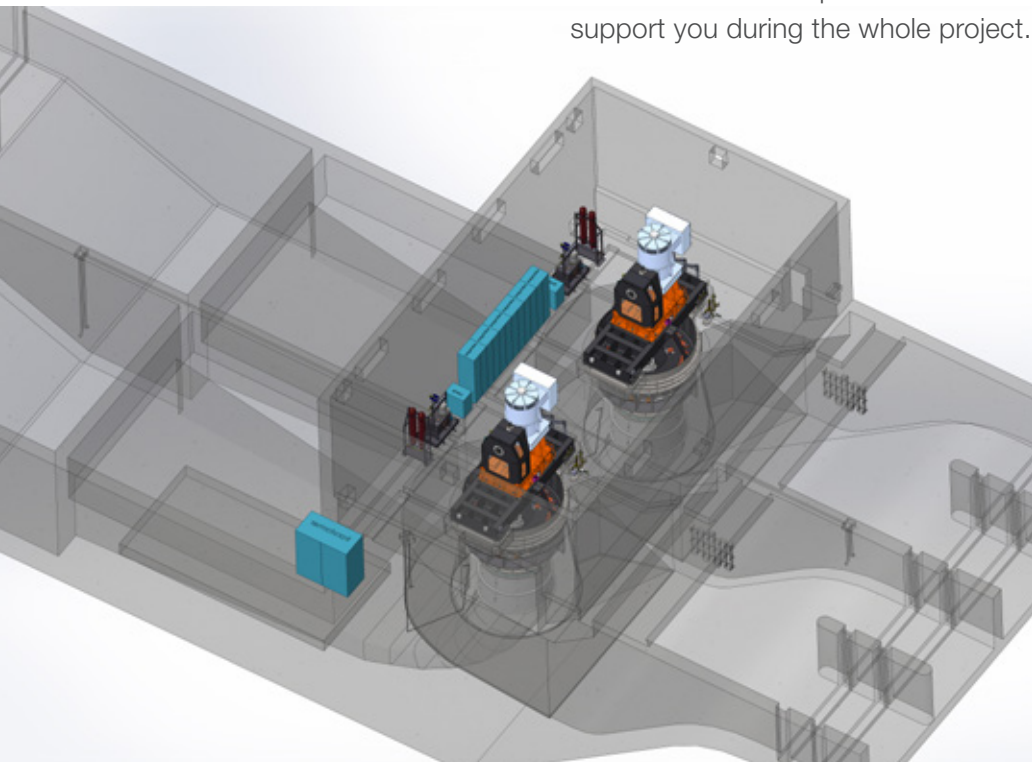


FROM WATER TO WIRE

TURNKEY PROJECTS DELIVERED BY WWS WASSERKRAFT



- Power house design, hydraulic steel components, inlet valve, turbine, generator, hydraulic power unit, SCADA System, electrical switch gear, transformer – our experienced team customize the equipment and support you during the whole project.



EASY AND SECURE

REMOTE CONTROL FROM YOUR SMARTPHONE, TABLET OR PC



With the WWS turbine control system it is possible to operate your hydro power plant secure and comfortable – no matter where you are!



At WWS Wasserkraft, a team of professional technicians is available for your questions. Telephone support and advice as well as preventive maintenance on site are part of our customer service.

FROM AUSTRIA INTO THE WORLD



Austria

INSTALLATION AND COMMISSIONING

WWS Wasserkraft installs turbines with its own highly trained employees. This ensures a smooth completion of your project.



Northern America



Philippines



Ukraine



Turkey



Moldova

■ We want to thank our world class suppliers for the long-lasting and good relationship.



Generators for HYDRO- NAVY- and RAIL Power



HYDRO POWER



NAVY POWER



RAIL POWER

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The specialists for hydropower generators.



For 60 years. And in future. Even in hydropower plants of WWS **Wasserkraft GmbH**, our generators reliably and efficiently generate clean electricity. Designed, constructed and produced by AEM with a high degree of vertical integration. High efficiency for the environment and customers. For new buildings and modernisations. For hydropower with future: your e-mail to wasserkraft@aemdessau.de, www.aemdessau.de

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KOSCHUTZ

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Koschutz is specialized in conserving, restoring and maintaining steel constructions and concrete surfaces of buildings, bridges and tanks.

Our company is also well known for refurbishing piping systems for hydro storage power stations.

In a nutshell: The more challenging the work the better to trust in Koschutz. Numerous reference projects underline our competency in surface engineering even under toughest conditions and in extreme terrain.

Deciding for Koschutz means highest competency, flexibility and absolute reliability from planning till final approval.





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HIGH QUALITY TURBINES

MADE IN AUSTRIA

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