

VOITH

Facts about Hydro Power

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Hydro power is essential to attain environmental goals

Hydroelectric power is an important contributor to the energy mix of the future. As a proven, renewable form of energy for the past 100 years and more, it deserves the same attention as the new energy forms of wind and solar power: Because without hydroelectric power, Germany's targeted energy policy goals – a 30-percent share by renewable energies in the energy mix of the year 2020 – cannot be attained.

Climate-friendly, reliable, economically meaningful

Hydro power is the oldest and most dependable renewable form of energy. Today, hydroelectric power accounts for 80 percent of all the power generated worldwide, making it the most important of all renewable energies. At the same time, power can be generated from water at competitive prices – and largely without state subsidies.

No wind or solar energy without hydro power

Hydroelectric power is also crucial for the cost-efficient use of other forms of renewable energy: Pumped storage plants represent the world's only commercially available "battery" for energy management. They act as an energy reserve and are vital for power generation methods that depend on the time of day and on the weather, such as wind and solar. Renewable energies cannot be developed without developing pumped storage technology.

High technology in global demand

Hydroelectric power is a future-proof technology from which Germany, as an exporting nation and a centre of high technology, is benefiting. In regions with fast-growing populations such as Asia and South America, Voith Hydro ensures climate-friendly energy supply and in so doing is contributing to global economic growth. To invest in research and development in hydroelectric technology is to invest in Germany as a centre of high technology.