

Voith Hydro

**VOITH**



**Proven strength under a new name.  
Voith Hydro.**



# Simply moving. The power of water.

## **Inexhaustible. And pure fascination.**

Water is part of our everyday life. In many countries, it is taken for granted. This clear, inexhaustible natural element, and in particular the potential that it holds, represents pure fascination – regardless of how you look at it.

From a purely chemical point of view, water is a compound of the elements oxygen and hydrogen. Seen from a broader perspective, we find water almost everywhere. After all, 71 percent of the earth's surface is covered by water.

And from a technical point of view? Water has the power to move many things. Generating energy from the power of water represents large amounts of clean, renewable energy.

Much to move, great things to achieve – that was, is and will continue to be our company's quest. With the focus always on the inexhaustible and fascinating power of water.

## Voith Hydro. Ready and well equipped.



### Exacting and reliable.

Voith Hydro is a division of the Voith AG group and a leading provider of equipment and services in the field of hydroelectric power. Since the establishment of the joint venture with Siemens in April 2000, our company has been hugely successful in developing its strong position as a highly-competent full-service provider for electrical and hydraulic equipment. With almost 4,000 employees worldwide and order intake worth over a billion euros per year, the company has established itself well in the market. The name and statistics say a great deal. Think of hydroelectric power and the name Voith springs to mind. We have never underestimated the roots of the company, which is now over 140 years old, and this still holds true today: Voith is a robust and innovative company with excellent market development, which meets the very highest demands all around the world.

“Engineered reliability” defines our promise to the customer. Our reliable and exacting engineered products and services are designed specifically for our customers’ needs.

Until now, you have known us under the joint venture name of Voith Siemens Hydro Power Generation. This name has changed: we are now called Voith Hydro. The two shareholders retain their shares in the company, Voith with 65 percent and Siemens with 35 percent. We are and will remain the successful joint venture in the field of hydroelectric power that has substantially expanded its expertise over recent years and secured a robust market position.



Customers and business partners can still rely upon our high level of competence, our technical reliability and our commitment to research and development. Our portfolio remains unchanged; as a full-service provider, Voith Hydro continues to produce generators, turbines and the associated control systems to put the power of water to work. Ever exacting and creative, always efficient and economical, and, above all, environmentally friendly.

With our considerable share of the world market Voith Hydro continues to lead the way in traditional hydroelectric power and in innovative approaches to the generation of energy from the oceans.

We will continue to invest all our energies into strengthening this leading position in the global market for hydroelectric power so we can continue to provide the best solutions. The present and future belong to Voith Hydro.

**Dr. Roland Münch**  
Chairman of the Board  
Voith Hydro Holding GmbH & Co. KG

## Leading the way in hydroelectric power. Throughout the world.



### **Always an individual solution. International.**

Tradition and innovation are in no way mutually exclusive – in an ideal world, they go hand in hand. If you can look back upon a solid and successful company history which is still characterized by attributes like “quality”, “reliability” and “leading-edge technology”, you are ideally equipped for the future. The facts and figures speak for themselves: Voith has installed over 40,000 generators and turbines – a total capacity of around 300,000 MW. This represents a third of the world’s installed hydroelectric power.

Voith sees itself as a long-term partner and service provider to its customers. Quality, reliability and financial stability are at the core of its corporate philosophy. Its thoughts and actions have always been based on clear corporate principles. Voith’s technical innovations help customers to stay successful and competitive at all times.



This is also true in the field of hydroelectric power, both now and in the future. Voith Hydro is at your disposal as a strong partner for challenging projects. Globally. Our international network provides resources with identical best-in-class processes and tools. A range of services, from engineering through production and project management to commissioning, makes the company a leading service provider. This network also ensures that we can meet special customized requirements: from individual components to project planning, through project management and plant maintenance.

Voith Hydro has branches and production facilities for electrical and hydraulic machines and components in Europe, Asia and North and South America. Voith Hydro's international network is superbly established world-wide, located close to customers and hydroelectric power markets. And its international customer relationships culture is impressive. Regardless of where and on what continent: Voith Hydro employs staff whose dedicated activities on an international level are consistently and uniquely customer- and solution-oriented.

# Initiator and pioneer. Voith Hydro.

**Extensive expertise.  
Profitable for all.**

What is true of Voith AG is true of Voith Hydro: technical reliability – particularly in the process and project cycle – takes top priority, to the complete satisfaction of each individual customer and business partner. Its leading position in international markets is the result of the innovative power that has characterized Voith for decades and has produced numerous technical innovations.

Wherever you are in the world: under the name of Voith Hydro, the joint venture draws upon proven and ever-increasing capabilities and skills. The company is in demand – for new plants or modernization projects, for professional or technical services, for individual electrical or mechanical components or for complete electromechanical systems.

We employ specific expertise to develop synergies that benefit partners and customers and improve the hydroelectric system as a whole. This begins in the technology center in Heidenheim and carries through the global network of production facilities for generators, turbines and control technology.





The company is also a trend-setter in the field of “new renewables” – wave power stations and tidal current power technology from Voith Hydro are amongst the pioneering initiatives for the commercial exploitation of the power of the oceans in the foreseeable future.

What can the power of water move? A multitude of landmark projects, in which Voith has been able to prove its competence and its internationalism. Voith has always been there when new records for size and performance have been broken. Right from the beginning: Niagara Falls in 1903 was a milestone in the history of power generation and, for the company, a historic order for what were at the time the largest turbines in the world. This success has continued right up to the present day with machines for the largest hydroelectric power stations currently in existence: from eight megawatts in 1903 to 800 megawatts in 2009.



## Four strong group divisions. A family company with an international reputation.

**With paper, energy, transportation, and service. For technological progress.**

At the top: as an operational management holding company, Voith AG directs the commercial strategy of the group as a whole. More than 43,000 staff are employed by the group at over 290 sites. Voith comprises the four divisions of Voith Paper, Voith Hydro, Voith Turbo and Voith Industrial Services.

Its core business is the development of technological innovations in the markets for paper, transportation, energy and industrial services.

### Voith AG



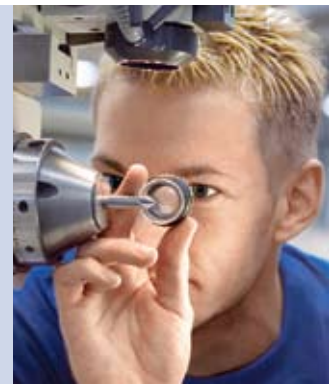
Voith Paper



Voith Hydro



Voith Turbo



Voith Industrial Services



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A Voith and Siemens Company

**VOITH**  
*Engineered reliability.*