

# Powering hydropower stations with spare parts HyService





# Providing spare parts at the right time in the right quality

Elevate your hydropower potential with Voith Hydro Spares: your partner for unrivaled expertise and maintenance solutions.

Our premium range of spare parts not only meets but exceeds industry standards, ensuring uninterrupted power generation and the sustained reliability of your station.





# Hydraulic machine

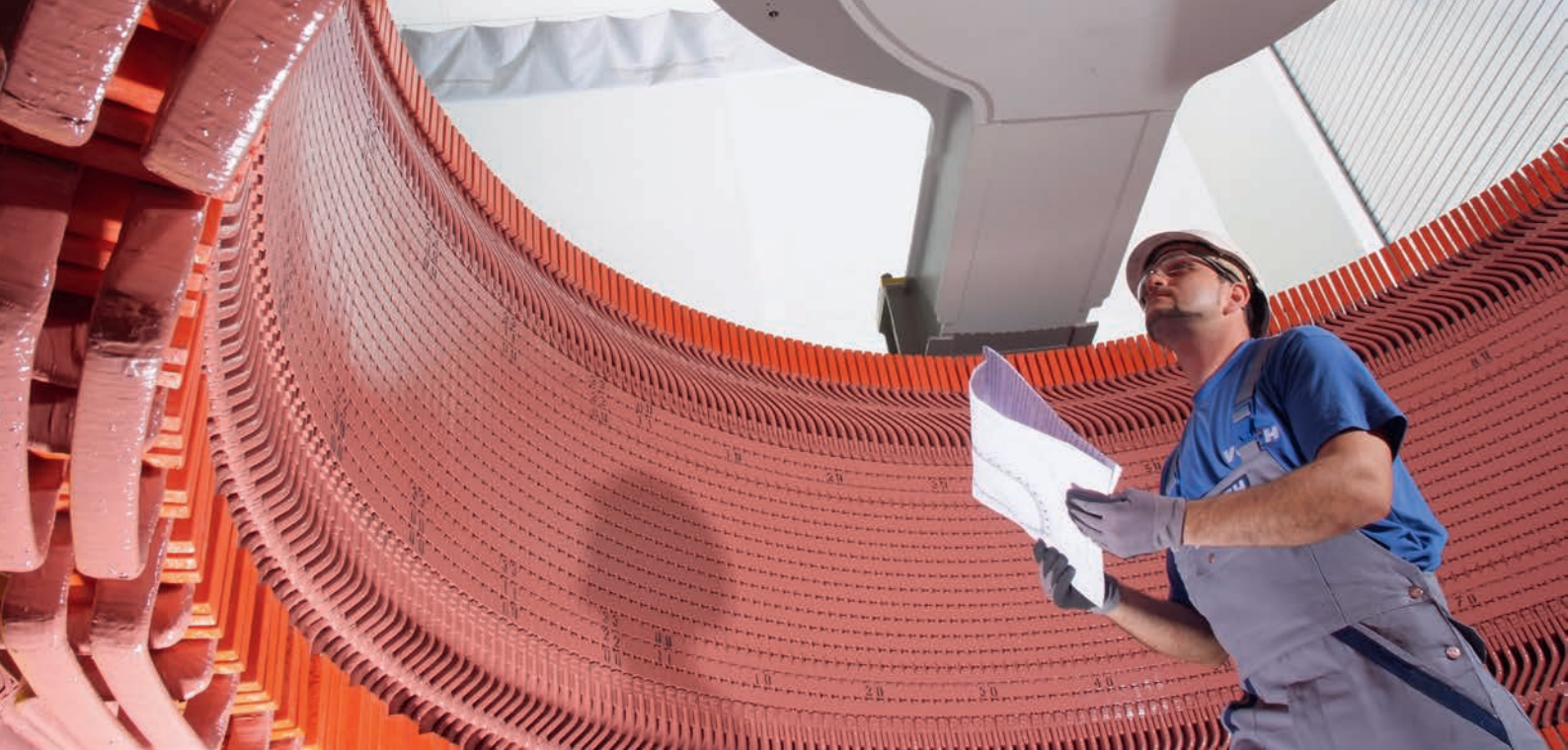
Optimize the power of efficiency with Voith's hydraulic machine spare parts! These precision-engineered components ensure your turbines' optimal performance, keeping downtime to a minimum and productivity to a maximum. With Voith Hydro, you're investing in unrivaled reliability.

## We offer spare parts for the following parts of the turbine

- Runner
- Wearing rings of runner
- Shaft
- Shaft couplings
- Shaft seal
- Inlet parts
- Wicket gates
- Spiral case
- Distributors
- Servomotor
- Draft tube
- Bearing segments
- Bearing oil system
- Gear unit
- Blow down equipment
- Central air admission
- Nozzle and jet deflector (for impulse turbine)

## We also offer spare parts for the following parts of the pump

- Pump impeller
- Pump shaft
- Shaft couplings
- Inlet parts
- Spiral case for inlet parts
- Distributor
- Servomotor
- Water pipes to inlet and outlet parts
- Shaft seal
- Draft tube
- Bearing segments
- Bearing oil system
- Gate ring



# Electric machine

The heart of electricity production, our understanding of the generator's critical role in the power generation process extends to the importance of maintaining its optimum performance. To prevent unexpected interruptions and ensure continuous, efficient operation, having quick access to spare parts is crucial.

## We offer spare parts for the following components of the generator

- Rotor
- Rotor accessories
- Brake ring
- Motor ventilation and connections
- Poles
- Stators
- Stator windings
- Stator core and accessories
- Combined thrust and guide bearing
- Guide bearing for lower and upper generator
- Bearing oil system
- External fan with motor
- Brake and Jack system
- Brushes and brush holder
- Hydrostatic pressure piping, brake piping, air labyrinth, oil piping and water piping
- Generator cooling
- Main control equipment, cabinet, sub-equipment for group control
- Relay circuits
- Turbine governor, pump & valve control
- Excitation transformer





# Balance of Plant

Balance of Plant components might not be directly involved in power generation, but their role in regulating, supporting, and stabilizing the primary equipment is indispensable. We understand the importance of having readily available spare parts for minimizing downtime and maintaining the smooth operation of your Voith Hydro equipment.

## Electrical

- Generator bus duct
- Circuit breaker
- Phase reversal, starting, Back-to-back, bus duct disconnecter
- Earthing switch
- Static frequency converter
- MV distribution
- LV main distribution
- Incoming feeder, motor starter feeder, transformer feeder
- Station supply transformer
- Cable feeder
- Bus coupler
- Diesel generator set
- Diesel motor
- Fuel system
- Exhaust system
- HV transformer
- HV substation

## Mechanical

- Hydraulic steel structure
- Headwater equipment
- Headwater trash rack
- Main trash rack
- Headwater gate and accessories
- Hydraulics servomotor
- Local gate control cabinet
- Headwater stop logs
- Lifting beam and storage frame
- Flushing gate
- Headwater guard gate
- Draft tube gate
- Spillway gate
- Diversion gate
- Penstock



# Automation

Understanding the importance of high-quality, reliable automation components in maintaining the smooth operation of your hydroelectric installations, our automation spare parts are designed to ensure optimal performance, increase operational efficiency, and reduce downtime.

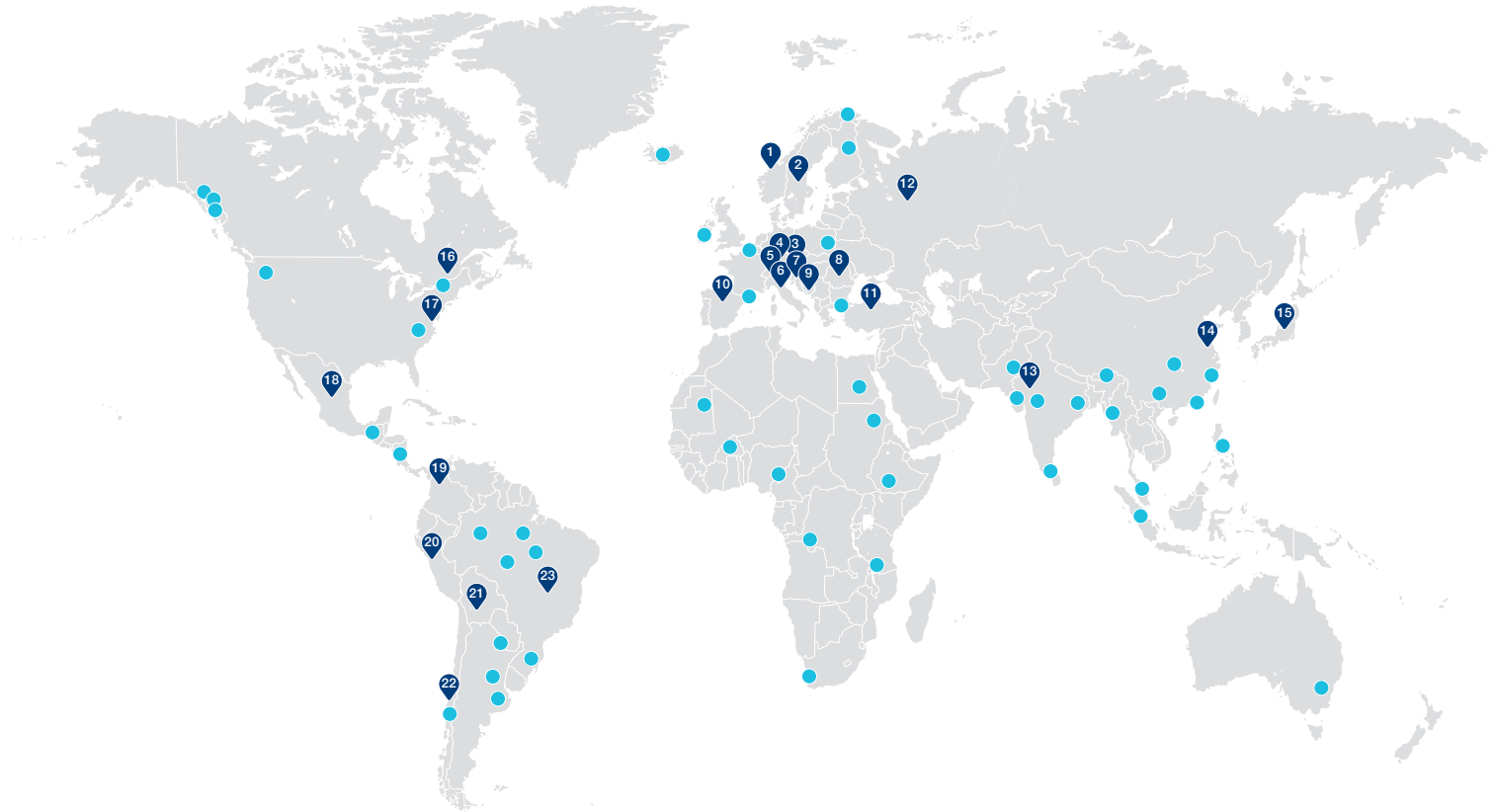
**For group control, central control, remote control & unit control we offer spare parts for the following components**

- Main control equipment
- Main control cabinet
- Sub-control equipment
- Sub-control cabinet
- Relay circuits
- Local HMI equipment

**Our comprehensive spare parts portfolio also has spares for**

- Digital governor
- Excitation transformer
- Digital AVR
- Rectifier stage

# We are located next door to you – just knock once



- |                             |                            |                                 |
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● Workshops, sales offices, sales representatives



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**1867**



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More than

**10 000**  
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We support our customers

**24 / 7**



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