



HYDROPOWER



Reconditioning • In-situ Machining • Mobile Teams • Epoxy Resins • Metal Stitching



IN-SITU MACHINING FOR HYDROPOWER

Whenever a worn-out or damaged machinery component is too large to be brought to a machining shop, or when doing so involves too much dismantling work and thus is too time consuming and costly, then the solution is to bring the machine tools to the site. This is what in-situ machining is all about.

QuantiServ is specialised in in-situ machining and supports machinery owners and operators from various industries with cutting-edge in-situ machining solutions.

Regular work done by QuantiServ at hydropower plants is:

- Spiral casing flange machining for flatness and parallelling
- Butterfly valve machining
- Wicket gate blade re-boring
- Pipe flange machining
- Rotor seat machining
- Machining and polishing shafts



Before



After

MACHING AND POLISHING OF SHAFTS

QuantiServ has extensive experience in machining and polishing different types of shafts, such as generator shafts and turbine shafts.

We are able to carry out any in-situ machining or polishing job fast, reliably and economically.



Bearing re-metalling

BUTTERFLY VALVE MACHINING

A common problem with butterfly valves is eroded seal captures. QuantiServ has the expertise and experience to solve this problem with our innovative machines. Our design team always develops a solution based on the unique conditions and this allows us to get the job done in even in the trickiest of locations.

SPIRAL CASING MACHINING

The pictures above illustrate a work performed at a power plant in Romania. QuantiServ machined all the inner diameters of the water inlet and the upper and lower flanges in the spiral casing.

The machine that we use is uniquely capable to in-situ mill and grind large, circular surfaces such as those found on hydro turbines. The machine is highly versatile and able to machine surfaces that are vertical, horizontal or inverted. It is ideal for circular surfaces between 1500 mm and 5000 mm diameter.

OUR LOCATIONS

QuantiServ has 15 sites around the world. Our strategic locations worldwide and our centralised support functions enable us to be a fast, flexible and trustworthy repair partner.

GLOBAL PRESENCE

15 locations

info@quantiserv.com
reconditioning@quantiserv.com
mobileteams@quantiserv.com
epoxy-resins@quantiserv.com
in-situ@quantiserv.com

