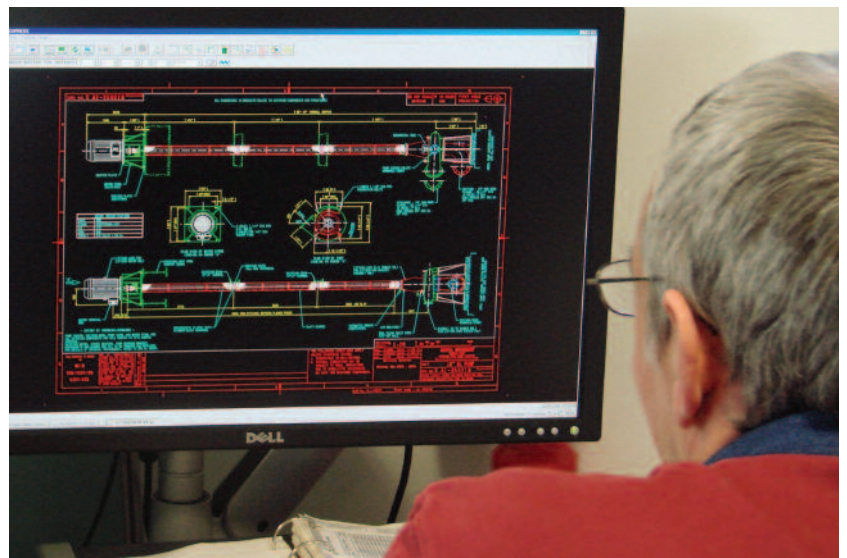


Excellent  
Engineering  
Solutions

**WEIR**

**Engineering services, OEM heritage**

# A global OEM delivering engineering service solutions



## Weir's aftermarket solutions are based on our OEM engineering and design heritage

The Weir Group was founded in 1871 producing our own groundbreaking inventions in mechanical plant and rotating equipment throughout our long history.

Today, Weir is recognised as a major global OEM of pumps, valves, steam turbines and ancillary equipment, with well-known and respected brands in three key markets: Minerals, Oil & Gas and Power Generation.

Through our highly innovative people and our continual investment in state-of-the-art technology, we are committed to the growth and development of our OEM products.

Based on over 130 years' experience as an OEM, Weir provides a complete service for the repair, overhaul and testing of both Weir and non-Weir steam turbines, pumps and valves.

Some of our well-known brands:



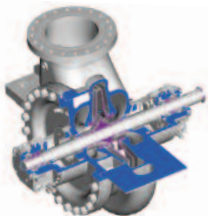
**BLAKEBOROUGH**  
Control & severe service valve



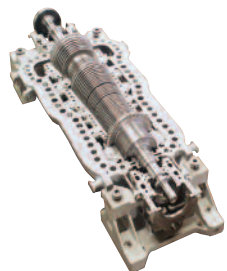
**WARMAN®**  
Heavy duty axial flow pump



**ROTO-JET PUMP**  
From Weir Speciality Pumps



**WEIR GABBIONETA**  
Heavy duty process pump



**ALLEN STEAM TURBINES**  
Single & multi stage steam turbines

## Our Engineering Service Capabilities

- First principle design
- 2D & 3D CAD model generation
- Rotor dynamic analysis
- Latest metallurgical advances including high pressure and corrosion/erosion resistant alloys
- Root cause analysis
- Noise and vibration analysis
- Condition review and fault trend analysis
- Failure modes and effect analysis
- Thermometric efficiency testing
- Coating technology

## Service Benefits

- Reliability centred maintenance
- Detailed and full system understanding
- Ensuring that technical solutions make commercial sense

- Local support via a network of national service centres
- Extensive references and proven track record
  - Power generation
  - Offshore oil & gas production
  - Refining and petrochemical
  - Intensive industrial processes
  - Water utilities

## Accreditations

BS, API, ASME, ANSI



## Comprehensive Service Offering

### Site service

- Field Service
- In-situ testing
- Root cause analysis
- Overhauls
- Outage, shutdown and turnaround maintenance
- In-situ valve seat replacement
- Installation and commissioning
- Coatings
- Hydro turbine refurbishment

### Workshop repairs, upgrades & re-rates

- Standard overhaul
- Specialist component repair
- Hydraulic upgrades and re-rates
- Mechanical upgrades and re-rates
- Submersible motor repair, rewind and testing
- Performance testing
- Coatings

### Original & re-engineered spare parts

- Weir and non-Weir equipment spares
- Inventory rationalisation and validation
- Customer inventory reduction programmes
- Enhanced security of supply of critical components

### Design studies and technical support

- System analysis
- Trouble-shooting
- Root cause analysis
- Control systems re-design
- Asset management
- Site survey

OEM knowledge that delivers local technical support to critical flow control and rotating equipment

### Weir Engineering Services Limited

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