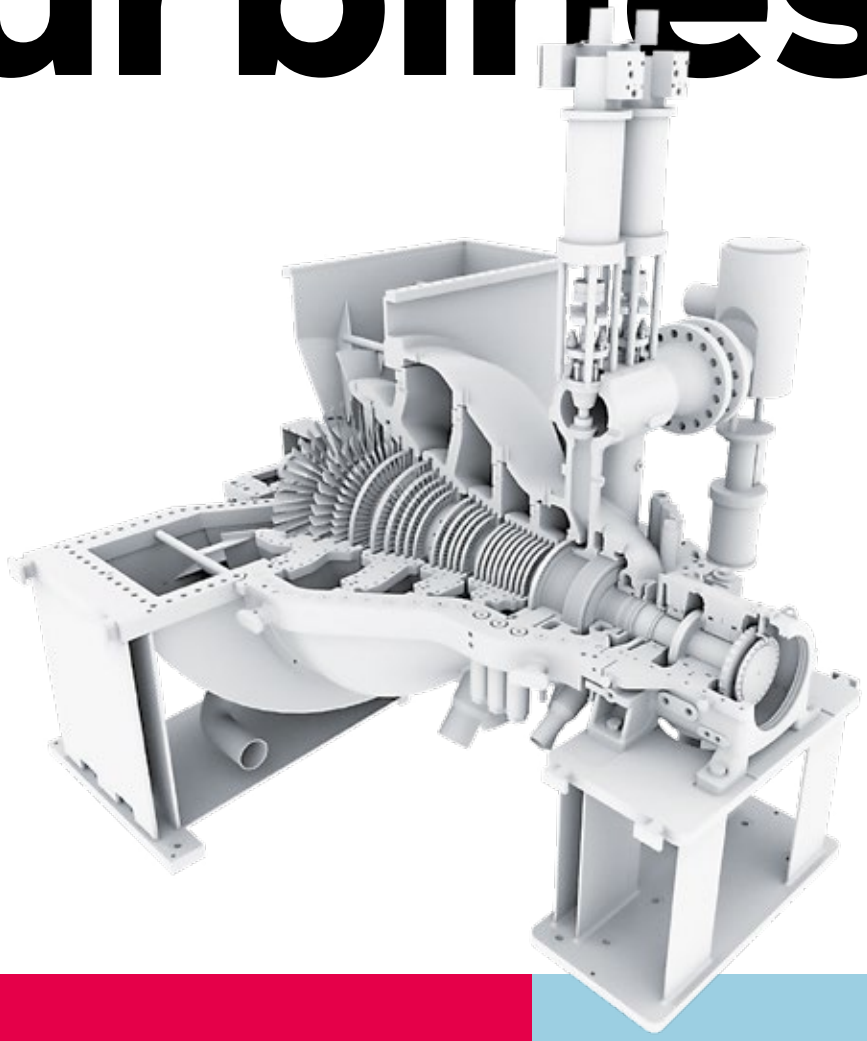
Broad range of multi-stage industrial turbines

Industries
Energy

Steam turbines



Experience, reliability and innovation

Benefits at a glance

- Maximum efficiency through optimized turbine design
- Exceptional availability
- Customized for specific requirements
- Long time between overhauls

Everllence

Steam turbines

Broad range of multi-stage industrial turbines

Technical data (1 – 180 MW)

Type	Power range	Max. steam inlet
MST010	0.5 – 1.5 MW	45 bar (652 psi) | 450 °C (842 °F)
MST020	1 – 5 MW	130 bar (1,885 psi) | 530 °C (986 °F)
MST040	3 – 15 MW	140 bar (2,031 psi) | 540 °C (1004 °F)
MST050	5 – 35 MW	140 bar (2,031 psi) | 540 °C (1004 °F)
MST060	15 – 45 MW	140 bar (2,031 psi) | 540 °C (1004 °F)
MST080	25 – 75 MW	140 bar (2,031 psi) | 540 °C (1004 °F)
MST100	40 – 120 MW	140 bar (2,031 psi) | 540 °C (1004 °F)
MST120	70 – 180 MW	140 bar (2,031 psi) | 540 °C (1004 °F)

General

Everllence is one of the leading manufacturers of industrial steam turbines with a comprehensive range of products and services backed by more than 100 years of engineering excellence since we developed our first industrial steam turbine in 1904.

Our steam turbine platform is versatile, suitable for both power generation and mechanical drive applications, with power range from 1 to 180 MW. These turbines are designed to operate efficiently across various industries, including refineries, fertilizer plants, and renewable energy sectors such as concentrated solar power and biomass facilities.

Key features:

- **Modular design:** Standardized components like bleed extraction, admission sections, reheating housings, and inlet/exhaust casings allow for optimized configurations, ensuring cost-effective designs and reduced delivery times.
- **Customization:** Turbines can be tailored to specific process requirements and are available in configurations compliant with API 612 standards or other customer specifications.
- **Reliability:** Our turbines combine proven technology with high operational reliability, ensuring consistent performance in demanding environments.

Power generation

- Waste-to-energy (WtE)
- Biomass / pulp & paper
- Concentrated solar power (CSP)
- Geothermal energy
- Combined cycle power plants (CCPP)
- Waste heat recovery (WHR)
- Refineries and others

Mechanical drive

- Refinery
- Iron & steel
- Fertilizer
- Ethylene
- Gasification / air separation units (ASU)
- Purified terephthalic acid (PTA) and others

Design features

- Various turbine models and sizes are available, including condensing type turbines, backpressure turbines, admission/extraction and bleed turbines and saturated steam turbines
- Adaptable, space-saving arrangements to suit specific site requirements
- Compliance with international design and manufacturing standards (e.g. API 612)
- Modular arrangement for fast installation and servicing
- Up to 180 MW
- Applicable for mechanical drive and power generation
- API 612 compliant and customizable to client specifications
- Modular design with standardized extraction and admission options
- Single or double-end drive configurations available
- Proven reliability across diverse industrial sectors
- Significant references in numerous facilities and applications

Comprehensive OEM service

- Online services
- Long term service agreements (LTSA)
- Consulting on operation and maintenance
- Proven OEM competency
- Full life cycle support
- Condition-based maintenance
- Also available for other brands

Solution package

- Steam condenser plants: air and water cooled
- Steam cycle components
- Electrical housing with control panels and protection systems
- Middle voltage solutions including transformers, interconnection devices, and breakers
- On-site erection services

With a global presence and a commitment to innovation, Everllence continues to drive advances in steam turbine technology, delivering solutions that meet the highest standards of efficiency and sustainability.

Contact

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