Technical evolutions of steam turbine

Mitsubishi Heavy Industries Co., Ltd. (MHI) has been building steam turbines for almost one century. With double-disc type F-class steam turbines and being accepted internationally as a standard, economic, reliable technology by all our customers. Today, MHI is one of the leading manufacturers of steam turbines in the world. As the first mechanical drive turbines from our company were designed by the late 1930s. From then on, we have been creating greener, cleaner steam turbines for the petrochemical industry, and we’ll be there to support and build on the MHI tradition of being the number one in terms of technology and high performance standards through cutting-edge technologies.

Advantages of Mitsubishi mechanical drive steam turbine

- Stable superior performance
- High-speed and compact design
- Easy maintenance
- Reliable operation
- Quick and excellent after-sales service

Type and characteristics

Reheat pressure turbine

Reheat pressure-type turbines efficiently utilize a large quantity of process steam, with the exhaust steam available for process heat or for other steam-driven operations, such as low-pressure turbines.

Condensing turbine

Condensing steam turbines, which are highly economical for variable-speed operations, can be directly connected to high-speed compressors, thus providing a free steam supply in the load cycle and improving efficiency.

Automatic control system/induction turbine

When controlling power and process steam pressure are required, the use of the automatic control system/induction turbine is highly available. Within capacity limits, the Mitsubishi automatic control system/induction turbine can supply varying amounts of steam within a specific pressure range while ensuring the required steam output by governing the amount of steam admitted to the low-pressure part of the turbine. MHI is experienced in reheat turbine and control/induction turbine.