



POWER GENERATION
- HYDROELECTRIC
- OIL & GAS



DESIGN...

Galbiati has extensive experience in the design, manufacturing and revamping of mechanical machines.



MANUFACTURING...

Machining of casing with accurate tolerance and coaxiality between axes.

AND ASSEMBLY

After machining we are able to assemble very large and heavy parts thanks to our skilled mechanical personnel, special pit 13mmt under hook and 120 Ton crane. We have painting boot as well to complete the parts before testing. All the Construction / mechanical machines made by Galbiati Costruzioni Meccaniche are tested at no load for the required time in order to verify their performance, including the auxiliary device such as lubrication system, and the on-board sensors. During the checking process, the test values are always detected and monitored. All parameters are recorded in the acceptance test certificate that accompanies each machines delivery.



INSPECTION AND CERTIFICATION

A "Quality booklet Certificate" is issued for components or machines, which contains: the raw materials, the manufacturing process, the inspection certificates as well as the final test report.

Thanks to the three-dimensional measuring machine, ZEISS MMZ-G 30 60 25, Galbiati Costruzioni Meccaniche is one of the few Italian companies performing inspections on items for applications that require accurate tolerance within microns and issuing proper certifications.

In addition to dimensional inspection, the following non-destructive test are performed by Galbiati inspector level 2.

- MAGNETIC TEST (MT)
- DYE PENETRANT TEST (PT)
- ULTRASONIC TEST (US)
- DIMENSIONAL INSPECTION (CMM)
- VIBRATION CONTROL
- OPERATIONAL TEMPERATURE CHECK
- HYDRAULIC PRESSURE TEST



LARGE DIMENSIONS CASING



STEAM TURBINE CASING



SUBSEA INCONEL CASING

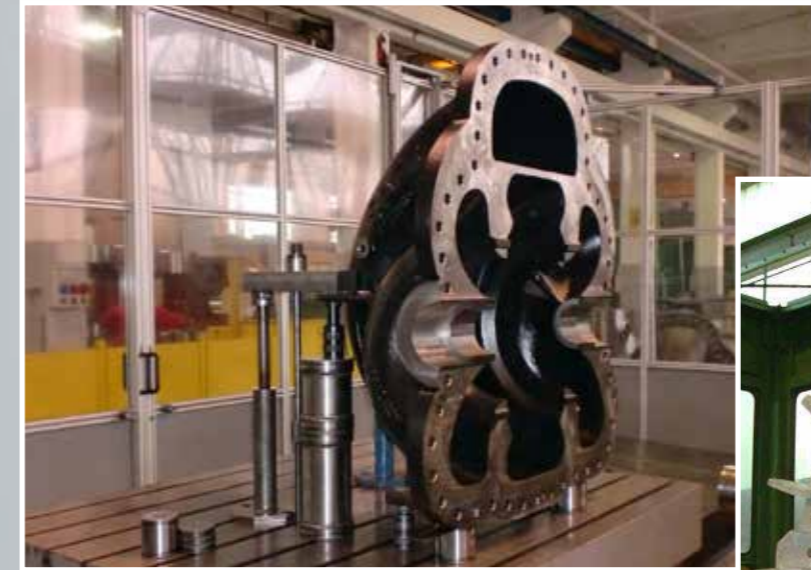


GAS TURBINE CASING

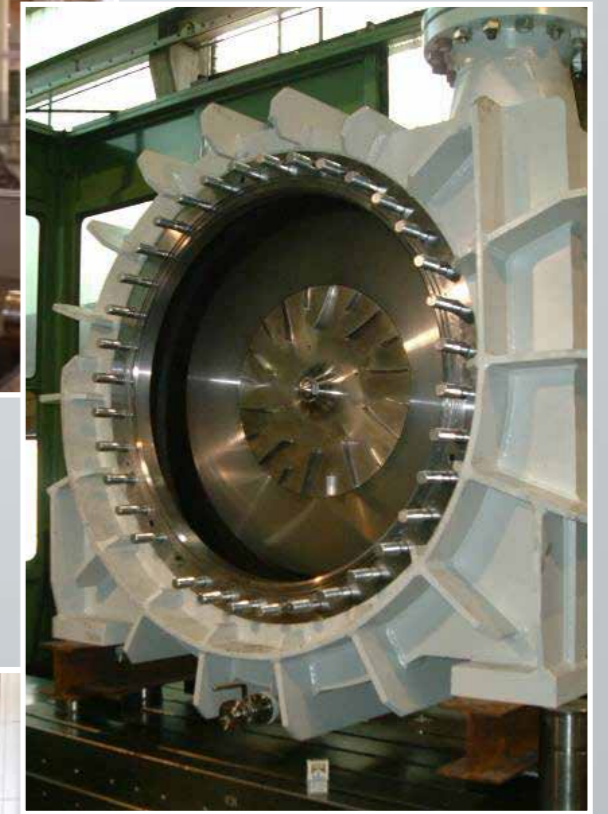


COMBUSTION CHAMBER

CASING FOR PUMPS



PUMP CASING



PUMP ASSEMBLY



MULTI-STAGE CASING PUMP



CENTRIFUGAL CASING PUMP

COMPRESSORS COMPONENTS



ALTERNATIVE COMPRESSOR CYLINDER

ALTERNATIVE COMPRESSOR
CONNECTING-ROD



ALTERNATIVE COMPRESSOR EXTENSION BODY

ALTERNATIVE COMPRESSOR
CASING

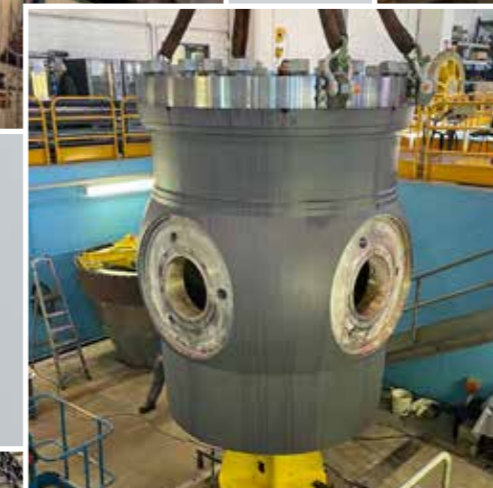


KAPLAN TURBINE RUNNERS



KAPLAN TURBINE
INSTALLATION AT PLANT

ADJUSTING PISTON



TURBINE HUB



KAPLAN BLADES

BLADE REGULATION MECHANISM





Galbiati Costruzioni Meccaniche S.r.l.

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