



PRESSURE EQUIPMENT – BIG SCIENCE PROJECTS – LARGE MACHINING - PLANT INSTALLATIONS



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Activities & Services



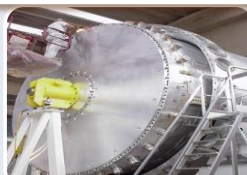
CRITICAL PROCESS EQUIPMENT

Pressure Vessels,
Reactors,
Heat Exchangers,
Columns,
Steam Condensers



MACHINING

Portal Machine 10
meters wide
Vertical Lathes up to ID
6 meters
Milling machines up to
30 meters in length



BIG SCIENCE PROJECT (CRYOGENICS & VACUUM)

Large Cryostats
High Vacuum
Equipment



SITE ERECTIONS & MAINTENANCE

Mechanical
Electrical
Instrumental

FACILITIES OVERVIEW



-  Camerana (Italy)
Headquarters & Workshop
-  Marghera - Venice (Italy)
Workshop – Sea Yard
-  Dusseldorf (Germany), Subsidiary
-  Mexico, Subsidiary
-  Turkey, Subsidiary



CAPACITY	2000 TONS
Building Height	30 metres (22 metres below cranes)
Building Length	100 metres / each building
Building Width	100 metres / each building
Lifting capacity	320 tons by Crane

MAIN COLUMN for PETROCHEMICAL

- MATERIAL**
SA 516 Gr.70 / SA
387 Gr.11 + 347 CLAD
- WEIGHT**
360 Tons
- DIMENSION**
Diam. 6.500 mm
Length 50.000 mm



High Precision Machining of Welded Components



MILLING MACHINE
VERTICAL MOTION : 3380 mm
ROTARY TABLE C.N. : 3000 x 2500
CAPACITY : 60 Tons.
TRANSVERSE MOTION : **14500** mm



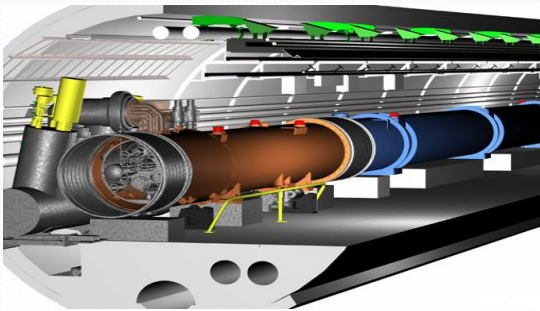
COMBUSTION CHAMBER CASING FOR TURBINE 701F

Material: SA 287G.22
Diameter: 5.000 mm
Weight: 80 tons

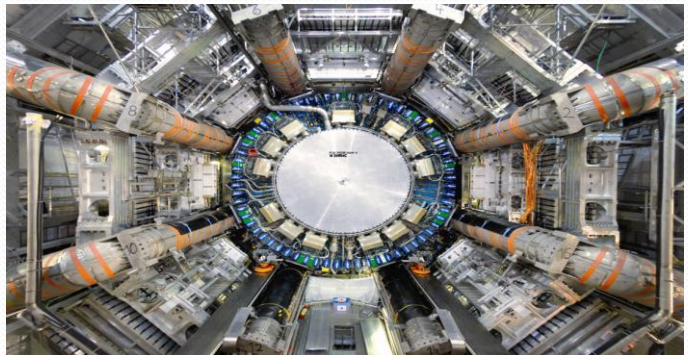
MECHANICAL WELDED MOTORIZED ARMS - 60 meters long



LHC PARTICLE ACCELERATOR PROJECT Manufacturing of nr. 937 Vacuum Vessels

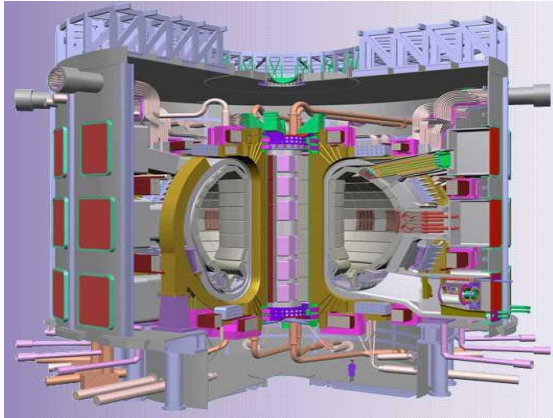


ENDCAP CRYOSTAT for ATLAS, LHC project – CERN



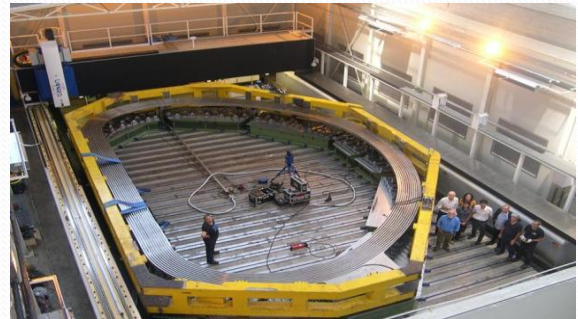
Material : Alluminium AL 5083
Diam. : 5.500 mm
Thk. : 160 mm
Total Weight: 40.000 kg
Cryogenic Tests : 90K
Leak TEST : He LEAK TEST $<1 \times 10^{-8}$ mbar. l/s

ITER PROJECT – NUCLEAR FUSION



Vacuum Vessel Prototype

ITER PROJECT – RADIAL PLATE SECTIONS



Tolerances: 1 mm on 14.000 mm length
Machining on portal machine, climatized room



SITE ERECTIONS



OUR INTEREST FOR THE E-ELT PROJECT

For the E-ELT telescope we offer our expertise in:

- High Precision Mechanical Components
- Assembly & welding of large components with strict tolerances
- Site erections
- Possibility to ship very large and heavy parts in single piece from Venice workshop

We are looking for cooperations in partnership for the E-ELT project.





Thanks for your attention
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