

Divertor Coils for JET



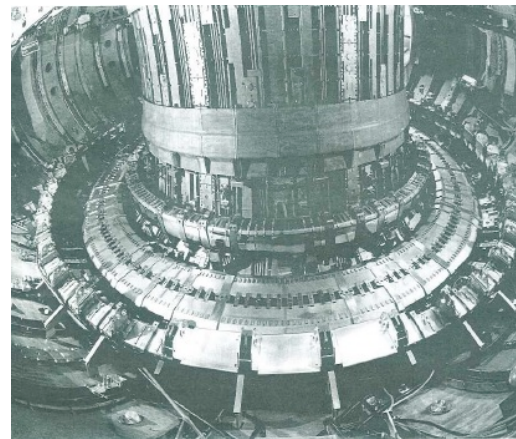
MAGNETS FOR FUSION

Four coils have been built and installed in 1992 by the Company in the JET vacuum vessel for the plasma containment. The coils are made of copper with glass epoxy insulation and are enclosed in vacuum tight Inconel case. At the Company's factory, the coil parts were manufactured and process techniques qualified.

In the JET vacuum vessel the conductors bars were brazed to form the coils, which were inserted in the casings and impregnated and cured with epoxy resin. Such operations were performed in radioactive ambient.



MAGNETS FOR HIGH ENERGY PHYSICS



Type of winding	Solenoid-multilayers
Nominal peak current	40 KA
Conductor	copper hollow
Conductor section	59x30.5 mm
Type of cooling	direct water cooling system
Coil weight	20,000 Kg

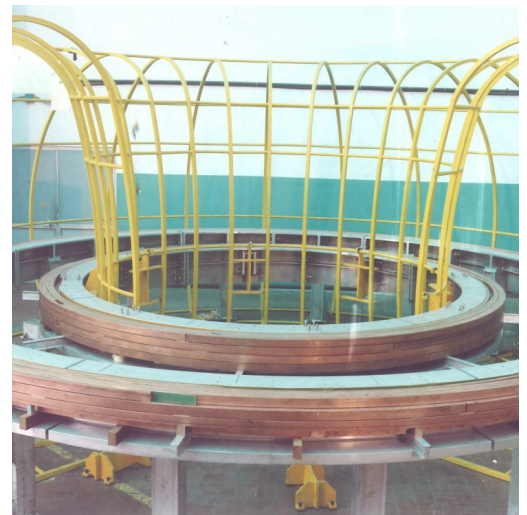


MAGNETS FOR MEDICAL APPLICATIONS

JET vessel



SYSTEMS FOR ENERGY



SERVICES & REPAIRS

1:1 scale dummy coil to assess the feasibility of the coil inside the vessel