Transport Solenoid Magnet for Mu2e Project

MAGNETS FOR FUSION

MAGNETS FOR HIGH ENERGY PHYSICS

MAGNETS FOR MEDICAL APPLICATIONS

SYSTEMS FOR ENERGY

SERVICES & REPAIRS

The Fermilab Mu2e experiment seeks to measure the rare process of direct muon to electron conversion in the field of a nucleus. The core of the experiment consists of three superconducting solenoid magnets: the Production Solenoid (PS), the "S shaped" Transport Solenoid (TS) and the Detector Solenoid.
ASG has been awarded of a contract for the manufacturing of Transport Solenoid Magnets.
The TS consists of 52 (fifty-two) superconducting solenoid COILS. These coils are integrated into 27 (twenty-seven) MODULES. The coil modules, as manufactured, will consist of housing shells, cooling square pipes and elbows, splice boxes, wedges, spacers, flanges and epoxy impregnated s.c. solenoids coils. The modules with the integrated coils are assembled into 14 (fourteen) deliverable UNITS.

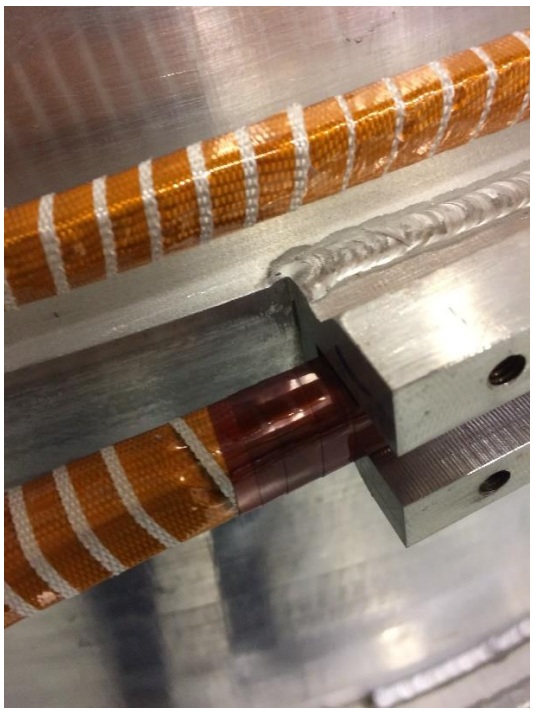
MAGNETS FOR FUSION

MAGNETS FOR HIGH ENERGY PHYSICS

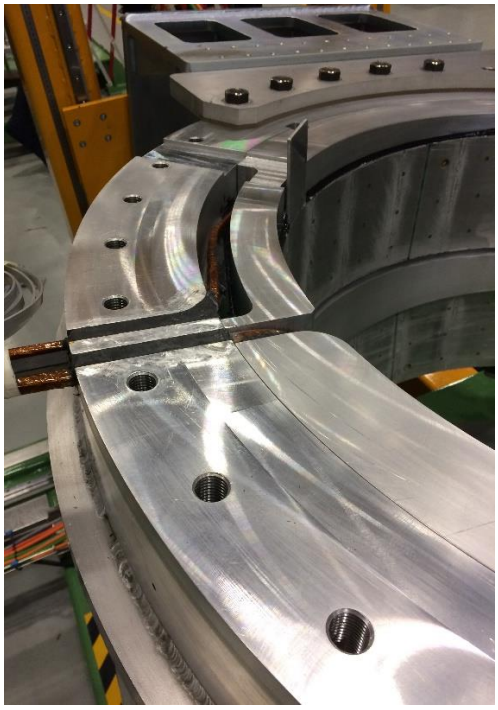
MAGNETS FOR MEDICAL APPLICATIONS

SYSTEMS FOR ENERGY

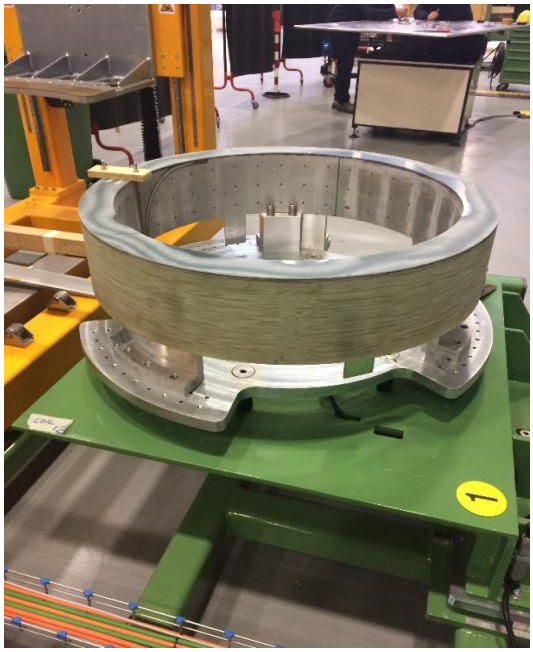
SERVICES & REPAIRS



TS magnet – detail of electrical exit



TS magnet – coil inserted into the module structure



TS magnet - coil

TS magnet – module structure