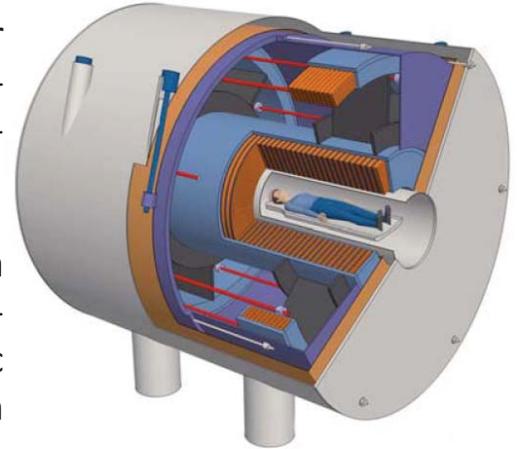


The 11.7T Whole Body MRI - The Iseult project under development at CEA-Saclay, in collaboration with Siemens Healthcare and Alstom Magnets and Superconductors, is scheduled for commissioning in 2012.

Philtec's fiber optic sensors are playing a vital role in a prototype which is very important for assessing the design. Displacements of many items inside the cryogenic system are being measured successfully to sub-micron level resolution.



CEA and Siemens are using **Philtec** sensor systems to measure ± 2 mm range displacement of the superconductor and magnet structures in:

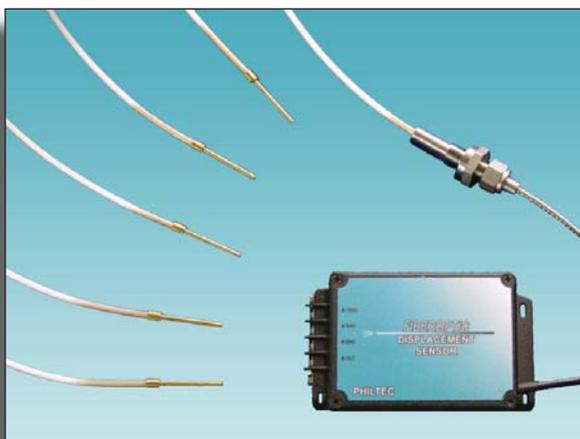
Liquid helium @ 1.8K

- High Magnetic Field 11.7T
- Pressure 15 mbar

Gaseous helium @ 6 K to 300 K

- No Magnetic Field
- Ambient Pressure

Philtec is a world-wide leading supplier of fiber optic displacement sensor systems for operation in very extreme environments, including:



- High Magnetic Field
- High Voltage
- High Pressure
- High/Low Temperatures
- High Vacuum
- Immersion In Cryo Fluids

PHILTEC

FIBEROPTIC SENSORS

D I S T A N C E | D I S P L A C E M E N T | V I B R A T I O N