

# Diverse End Markets



Research and Academia



Life Sciences



Environment



Metal/Construction

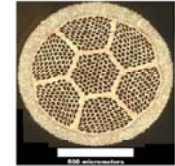


Semicon/IT



Energy

- Low & high temperature superconducting materials



- Design and supply of magnets

- Consultancy services

- Advice on fusion research programmes

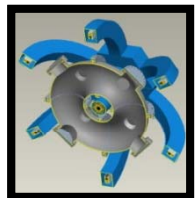


- Gyrotron systems design and supply



- Tokamak system design

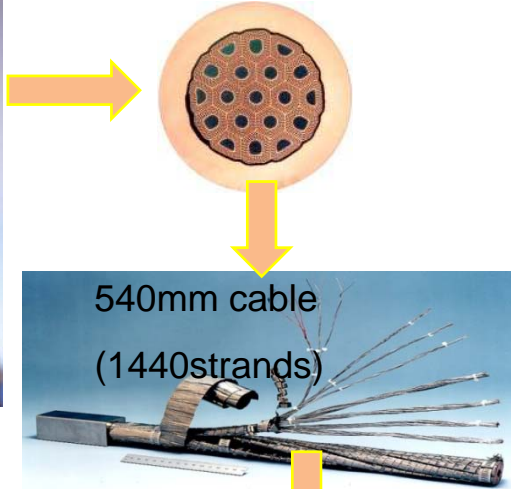
- Design for manufacture and commercialisation



# Supplier for Fusion applications

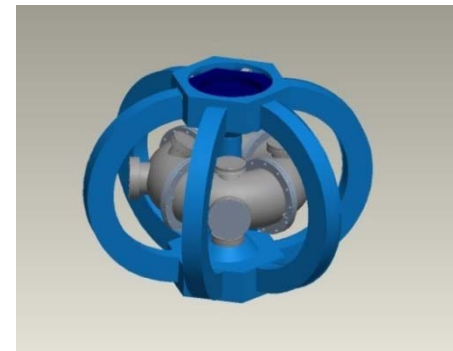


0.73mm ITER LTS strand



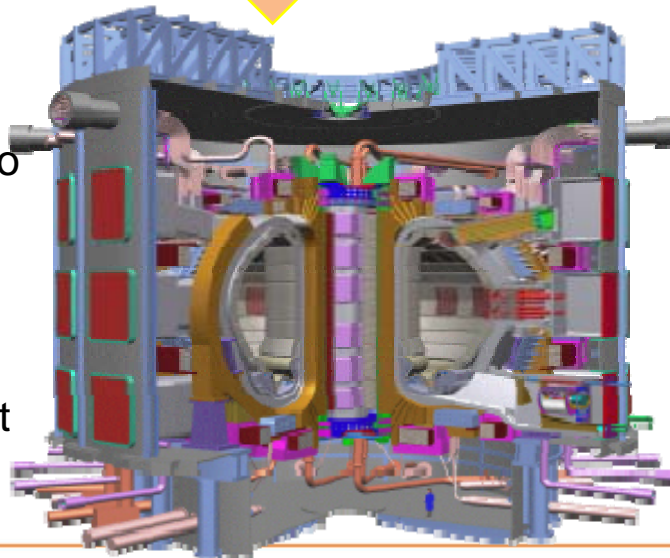
540mm cable  
(1440strands)

- Superconducting wires & magnets
- Cryogenic environment
- Instrumentation
- Consultancy and Programme Management

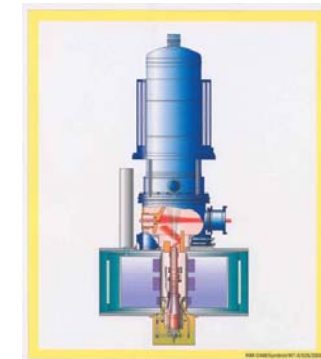


HTS  
Tokamaks  
design  
studies

£40 million order to supply 67 tonnes of superconducting wire to the ITER project

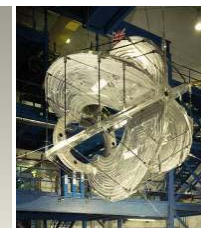
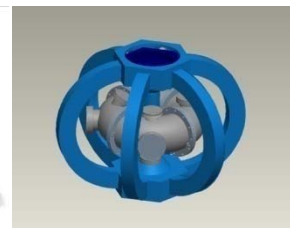
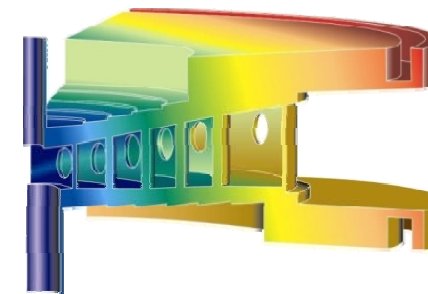


Gyrotrons from 60-170 GHz both wet and cryofree



# The Offering

- A wide portfolio of skills that can positively impact fusion science and large scale application
  - Contract design and manufacture of key systems
  - Completing consortia with unique skills
  - Flexible and tailored approach
  - Consultancy and Programme Management
- Broad range of entry points
  - Magnet systems, cryogenics, superconductors, gyrotrons, tokamak design consultancy, instrumentation and system integration



**Dr Ziad Melhem**    [ziad.melhem@oxinst.com](mailto:ziad.melhem@oxinst.com)

**Dr Andy Sowerby**    [andy.sowerby@oxinst.com](mailto:andy.sowerby@oxinst.com)