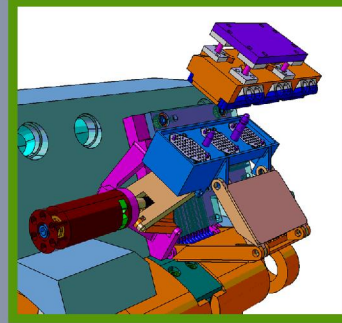
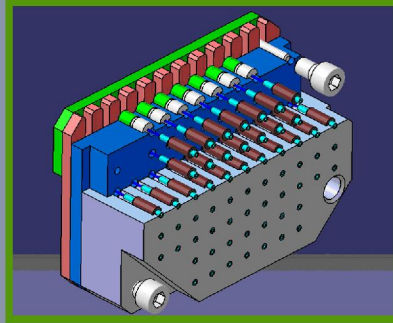


## Project:

### Development of Electrical RH Connector for ITER Divertor Cassette



## Client:

ITER Organisation, France

## Organisation & Management:

Oxford Technologies Ltd was sole contractor and utilised 3 professional staff on this 36 week project.

## Aim:

The aim of this project was to develop an electrical connector design to meet the requirements of the instrumentation of the ITER Divertor Cassette. The connector must be remotely operated to allow the removal of Divertor cassettes for maintenance.

The remote maintenance of the divertor wiring looms routed through the RH ports was also designed to concept level.

## Implementation:

The contract was conducted in stages:-

- > Establishment of the design constraints for connector installation
- > Derivation of the RH concept for the locations of connectors and routing of cables
- > Derivation of the Connector Designs
- > Integration of the Connectors onto Divertor Central & Side Cassettes
- > Definition of the Remote Handling operations sequence
- > Production of animations of the Remote Handling operations
- > Definition of future development requirements