

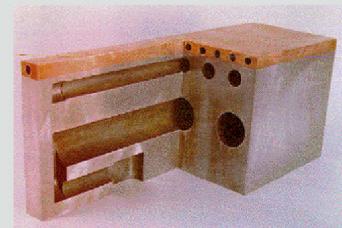
THE TECHNOLOGY OF ITER

- Seven large R&D projects demonstrate the feasibility of critical components
- Achievements: validation of design, qualification of applicable technologies, testing of prototypes
- Large involvement of Industry in the fabrication of full-scale prototypes of ITER components



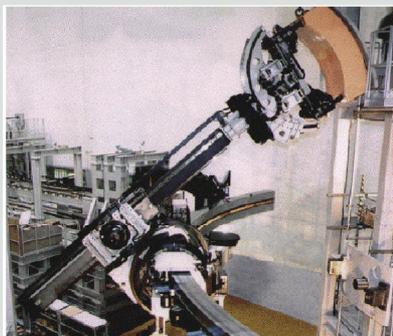
Magnets

Models of the ITER superconducting magnets were successfully tested to the ITER operating parameters and beyond.



Vacuum Vessel and Internal Components

Full-size components (Blanket, Shield, First Wall, Divertor) were fabricated and successfully tested to address fabrication issues (i.e. dimensional accuracy, achievable tolerances, cost) as well as assembly feasibility, structural integrity and performance.



Remote Handling and Maintenance

Demonstration of remote maintenance scenario of blanket and divertor, incl. manipulation of heavy components, remote welding/cutting of pipes and in-vessel viewing.