

TITLE: Mechanical Engineer– Building Systems		CCS-011
REPORTS TO LINE MANAGER: Group Leader, Building Systems, Civil Construction and Site Support Office [CCSSO]		
Direct Employment: Not Required		Grade Range: P3-P4
DATE WRITTEN: 20 March 2007	DATE REVISED: 30-JUL-07	DATE REVISED:

Purpose:

Support the CCSSO in all matters related to adapting the ITER Generic designs to the Cadarache site, including infrastructure development, roads, tunnels, storm and sewage drainage, fire protection systems, cooling towers and pumping stations; Annex buildings; construction contractors areas; temporary construction services and facilities. Assists in defining and documenting the interfaces between these services and the related technical systems contained inside.

Provides assistance and guidance to the Architect Engineer responsible for detailed design and layout of Cadarache site. Provides technical support to the construction contractor(s) and manages cost effective implementation. Assists the CCSSO in liaison with the European Legal entity and Agence Iter France, in matters of civil engineering during construction.

Major Duties/Responsibilities:

- Supports CCSSO in all matters related to civil engineering and construction activities related to the Cadarache site layout.
- Assists in coordinating the technical interface between the on-site construction and the technical subsystem responsible officers.
- Monitors the contractors QA and Safety program with the Architect Engineer and subcontractors.
- Responsible for change control for the civil engineering of site infrastructure.
- Compiles the relevant data for technical design changes, costs and schedules, and reports on any variances.
- Shows strong commitment to the ITER safety program and enforces it through individual behaviour and in his/her organization.

Qualifications Required:

At least 10 years experience in design and/or construction of large technical or science facilities, and in particular, in the successful completion of large civil construction facilities in Europe. Expertise in interface management with technically complex systems. Knowledgeable of permitting procedures and legal environmental requirements in construction. Excellent safety record on previous construction jobs. Experience in project management and the use of modern management tools. Experience in effective QA management and implementation. Possibility of staying in the project for more than 5 years.

Work Direction and Interfaces:

Reports to the Group Leader, Building Systems, CCSSO. Interfaces with all technical divisions to support effective integration. Implements and enforces ITER Project QA program. Interfaces with the construction design team on building requirements and

with the construction manager on cost effective implementation. Interfaces with domestic authorities on permits and environmental impact. Monitors ITER safety program on the construction site.

Authority/Approval Levels:

Has authority and approval levels defined by the HCCSSO for his/her scope of work.

Measures of Effectiveness:

Successfully manages interface between technical system leaders and the design team for civil engineering of the site layout and associated plant facilities, including those temporary facilities required during construction and installation. Develops and maintains interface documentation.

Successfully manages budgets for the civil construction the Cadarache site infrastructure.

Successfully manages interface with Architect Engineer and the European Legal Entity.