

## **SUPERVISION OF FACTORY ACCEPTANCE TESTS AND MANUFACTURING PROGRESS**

To the extent allowed by the EPC Contract and Manufacturer's Quality Plans in the form of Hold Points and/or Witness Points, execute the necessary inspections at the factories of the equipment manufacturers and attend to and supervise all agreed tests, to the extent necessary to ensure that manufacture of the equipment is done in accordance with the standards agreed upon the EPC Contract. In particular:

- **Review the Contractor's quality program**
  - Verify that the main equipment is being manufactured and assembled according to contract requirements
  - Make sure that the manufacturers are exerting an adequate quality control throughout the entire manufacturing process
  - Witness the shop performance tests considered crucial for the performance of the plant
  
- **Attend and supervise material tests**
  - Analyse and monitor material tests and related test procedures
  - Review source material certification and material traceability
  
- **Attend and supervise Manufacturing tests**
  - Analyse and monitor manufacturer's equipment and fabrication activities in accordance with the agreed and approved procedures, specifications and codes
  - Review and comment on weld procedures and non-destructive examination procedures

- Review and monitor non-destructive examination results and records
- Review and monitor pre/post weld heat treatment
- **Attend and supervise Pressure tests**
  - Review and monitor of pressure testing
  - Review and monitor leakage testing
- **Attend and supervise Testing of corrosion protection**
  - Review and monitor corrosion protection measures
- **Attend and supervise Testing of equipment**
  - Review and monitor balancing test results and records
  - Review and monitor vibration and bearing temperature test results and records
  - Review and monitor electrical, control and instrumentation equipment
  - Witness major test stages including pressure testing, performance testing and functional tests
  - Perform final visual and dimensional inspections

