



Factory System Engineer

Be part of a Factory of Future (FoF) Engineering & Technology (E&T) KBR-M team to support and contribute to the upcoming Industrial 4.0 new SMART factory for the SAESL. The role primarily requires to setup a new factory system platform

Roles & Responsibilities

- Capture factory requirements and provide recommendations for MES, Team-centre and PLM
- Coordinate factory requirements, map them to the system capabilities, and recommends technical solutions for the new Factory System implementation
- Collaborate with external parties to research, evaluate and recommend systems, equipment and technologies based on business needs
- Digitise work instructions
- Perform plant/ process simulation for optimisation
- Create a digital twin of the physical factory
- Integrate and deploy factory wide MES, Team-centre and PLM
- Write and present technical reports
- Provide post-installation and integration support
- Create and update 3D models, drawings, reports and related technical documents
- Work closely with lead engineers in the following areas; Fixture & Tool Design, Toolpath Programming, Repair Process Simulation, Modelling and Optimization, Factory Design and Layout
- Design and procure relevant tool & fixtures for development and production activities
- Manage and maintain Product Lifecycle Management (PLM) system, Team-centre and Manufacturing Execution System (MES)
- Support the Manager, FOF Repair Engineering & Technology/ KBR-M

Requirements

- Minimum a Degree in Manufacturing Systems/ Mechanical / Aeronautical / Engineering or Degree in computer science with relevant manufacturing industrial experience will also be considered
- Ideally 5+ years' of experience in a similar capacity in the aviation OEM or MRO/ manufacturing industry
- Possess good communication, analytical, engineering and project management skills
- Good knowledge of component repair processes (e.g. Welding, Machining, Painting, Coating, etc) would be an advantage

(Only short-listed candidates will be notified)