

MANUFACTURING AND REPAIR ENGINEER

1. OBJECTIVE OF THE POSITION

Effectively set up and manage the development, production and repair of capital gas turbine components in such a way that the parts are manufactured and repaired with the lowest possible costs, according to all technical requirements and with on time delivery.

2. PRIMARY RESPONSIBILITIES

- Create technical specifications and acceptance criteria for production
- Advice design engineering on design validation and design improvements looking at manufacturing and repair
- Identify and select suppliers for manufacturing, decide on make or buy
- Set up and qualify supply chain(s) for newly developed gas turbine components.
- Set up and qualify internal repairs for gas turbine components.
- Create work instructions for inspection and assembly at ATH workshop.
- Set up production process in the system (routings, SAP, forms, instructions)
- Maintain production planning; i.e. expedite purchase and production orders.
- Process reported non conformances from supply chain and repair
- Evaluate inspection results and perform statistical process control (SPC).
- Direct and instruct ATH logistical department on shipments production parts.
- Directing, prioritize and instruction ATH shop on production activities.
- Initiate cost reduction programs and production & repair improvements.
- Initiate and visit suppliers for quality audits on performance, costs and technical issues.

3. SPECIFIC TASKS

- Supervise ATH workshop in execution of technically challenging projects; e.g. rotor repairs, field service projects, repair engineering.
- Perform metallurgical investigations for ATH workshop.
- Technically support Supply Chain Management
- Support commercial department towards customers.

4. COMPETENCES

The following competences are required to fulfill the job.

4.1 Education

- Minimum bachelor's degree (e.g. Mechanical-, Materials- or Aeronautical Engineering).
- Manufacturing and/or repair processes for gas turbine components.
- Materials used (preferably superalloys) used in turbine technology.
- Additional Training Required:
 - SAP (Modules PP, QM en MM)
 - Gas Turbine Training
 - Product Manufacturing Training
 - Proficient in English

4.2 Experience

- Five (5) years experience in a production engineering function with direct involvement in manufacturing and/or repair processes of gas turbine (or similar high tech) components (e.g. casting, forging, machining, sheet metal fabrication, welding, coating, etc).
- Experience with inspection processes (FPI, X-Ray, dimensional, ultrasonic testing, etc).
- Experience with quality systems and improvement projects.

- Proficient in Microsoft Office (Outlook / Word / Excel) and SAP
- Experience with programming of simple applications (e.g. C++, VBA, Matlab)

4.3 Personal skills

- Flexible and adaptable
- Self-starter & Proactive
- Able to work under pressure and to set priorities.
- Challenged by technical issues to provide the solution
- Excellent communication skills. Able to communicate in English on level of engineering, suppliers, sales, customer, shop operator / inspector and internal support organization.

5. PLACE WITHIN THE ORGANISATION

Position hierarchically reporting to the Team Leader Manufacturing & Repair Engineering.