

JOB DESCRIPTION



Global Job Title

Job No.

Manufacturing Engineer III

OP1903

Job Objective

Execution of planning and approval of new and complex production equipment in alignment with the product development process

Planning and specifying complex working cycles and sequences, taking new and modified production processes and methods into account; planning and arranging for the procurement / manufacture of appropriate operating and testing equipment

Projecting within the context of development projects in agreement with the superior

Duties and Responsibilities

A Manufacturing Engineering

- 1 Agreeing and following up targets with the Project Manager or the Operations Readiness Manager in terms of quality, costs and timing in agreement with the superior and taking existing processes and methods into consideration
- 2 Executing in the development of production methods taking the market development for production systems into account and check new systems for their suitability and applicability as set by Hella specific constrains and legal requirements
- 3 Prepare suggestions for design of components suitable for production in accordance with manufacturing requirements identifying concrete potentials for saving based on the idea of TCO (total cost of ownership); inspiring design or manufacturing engineering changes
- 4 Plan complex operating equipment based on capacity and staff deployment plans to be drawn up; define type, extent, and number necessary production equipment (including auxiliary and series tools, jigs, testing equipment, special machines); arrange the procurement and/or production of the specified operating equipment
- 5 Determine available internal capacities for the construction of operating equipment; estimate the costs and prepare suggestions for internal or external procurement
- 6 Define and describe manufacturing sequences, manufacturing capacities and operating equipment data taking into account the planning variables to be determined (workflows, planned times, batch sizes); prepare manufacturing plans using existing systems and methods
- 7 Plan new manufacturing sequences and operating equipment with the help of existing manufacturing processes, taking knowledge from the field of work science, production engineering and economics into account, as well as guidelines and standards. Use digitization to increase efficiency and robustness (e.g. MES, Hydra, iTAC)
- 8 Continual editing, interpretation and implementation of relevant technical information from internal and external partners as well as coordination and implementation of process and production equipment changes
- 9 Evaluate risks using the process FMEA and taking customer requirements into consideration as well as developing and implementation of improvement actions

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- 10 Prepare, update and manage production and quality related documentation according to the guidelines as well as creating and updating the production master data
- 11 Involvement in internal and external pre-series audits in production and quality assurance, as well as supporting series auditing in agreement with the superior if appropriate
- 12 Plan and coordinate the preparation of (initial) samples including component recording and provision; monitoring the production of (initial) samples and carrying out acceptance test checks; if appropriate initiating design changes in agreement with the project team
- 13 Involvement in and/or implementation of defined escalation scenarios whenever deviations from targets occur in manufacturing engineering; showing existing alternative solutions
- 14 Involvement in change management (EOP control, costing, feasibility analysis, scheduling etc.)

B Projecting

- 1 Participate in technical projects teams according to the Hella PEP resp. PMH regulations
- 2 Responsibility for the monitoring of the used technologies, processes and production equipment in the running production as well as suggestion and implementation of improvement / cost reduction action (continuous improvement) with the target to reach the relevant performance KPIs
- 3 Establishing, developing and supporting the global and regional networks
- 4 Collaboration and contributing in global and regional networks and teamstructures (e.g. as part of a technology network)

Carrying out other tasks related to this position

(including examining as well as complying with industrial safety and environmental protection measures pertaining to the scope of duties)

Job Profile / Requirements

a) profession / education

b) job related experience

University degree

More than 2 up to 3 years