

Lead Mechanical Engineer

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Company: STAR GROUP

Location: Belgium

Category: architecture-and-engineering

Responsibilities

Primary Tasks and responsibilities;

- Conducts studies of large-scale projects and participates in the study of complex investment projects or new technologies;
- Is actively involved in projects in concept and basic study.
- Translates a process flow into possible concepts.
- Draws up PFDs and derived P&IDs together with the process department.
- Makes basic calculations in concept phase (pipe resistance, pump calculation, pipe dimensioning, determination of PED class, heat capacity...)
- Participates in budget cost estimates of projects.
- Checks drawings coming from internal or external draughtsmen/designers.
- Collects information (scope determination) for external engineering firms.
- Contributes to the planning and budget estimate of projects.
- Participates in purchasing activities related to large-scale and/or complex projects;
- Creates concept proposals in 3D (AutoCAD Plant 3D) based on PFD and the input of the global engineering team.

Secondary Tasks and responsibilities

- Prepares technical descriptions of requirements in the context of requests for quotations and provides these to suppliers after approval.
- Checks whether the quotations meet the requirements, compares the quotations and formulates proposals for orders to the project manager.
- Holds meetings with suppliers to check the content of their offers against the competition and to clarify certain points.
- Participates in the evaluation of contractors and suppliers.
- Contributes to standards used within Business Unit Rechargeable Battery Materials.

CE:

Technical Context

Requirements

- Has operational knowledge of the legal regulations relating to his discipline.
- Knows the

possibilities of office software and is skilled in working with specialized drawing packages (AutoCAD PLANT 3D (P&ID and piping)).• Has insight into process and machine risk analysis techniques and therefore participates in PRA sessions. • Is creative and has analytical thinking skills to choose the right solution for any problems • Is communicative and can communicate objectively, argue and convince when working in a team and when dealing with suppliers • Can empathize with the wishes of the internal customer (is empathetic) and translates these into technical issues, and helps to solve them • Very important that you handle confidential information discreetly! • Is a specialist / expert in a number of the following tasks: • Translate Machine Directive, PED and (inter-) national standards as well as regulations and legislation into relevant summary company standards • Knows LifeCycleManagement design points • Has practical English language skills to read and understand technical documents and to have technical conversations with suppliers and contractors, and has knowledge of French and German in order to maintain contacts with suppliers #LI-LD1

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