



Job description

Job name: Project Engineer
About Aquest Colsen: Aquest Colsen is a South African company with offices in Durban, Port Elizabeth and Cape Town, specialised in water and waste water treatment, biogas production from waste streams and nutrient recovery. Aquest Colsen is part of the Dutch Colsen group. Our company is expanding our team and seeking to employ a Process Engineer. The process engineer will have the ability to play an important role to the company's success by contributing to the design of our solutions for our clients. We are looking to employ a process engineer who is wishing to build long term relationships with both our clients and us as employer, fit well with our team and wishes to be part of the exiting growth path of us as a company.
Location in company structure: Engineering department. The engineer reports to the project manager.
Objective/target of the job: The complete production of engineering packages, P&ID's, detailed drawings and tenders for our clients, related to civil, mechanical, equipment and electrical aspects. The production of budget costings for new projects.
Responsibilities: The engineer is responsible for the complete production of engineering packages and budget costings for our clients. Responsible for the assistance of project managers in projects at the office and on our construction sites.
Core tasks / responsibilities Core tasks: <ul style="list-style-type: none">- The production of detailed engineering packages for clients and / or subcontractors;- The production of detailed quotations for clients, consisting of quotation reports, budget calculations and concept drawings / layouts / flow schemes;- The engineering related activities during the construction and / or commissioning of projects in the field. Other tasks: <ul style="list-style-type: none">- Production of P&ID, layout drawings, equipment specifications;- Calculations for heat balances, energy consumption, flow/velocity in piping and volumes and sizing of tank structures;- Translation/conversion of a process engineering design to an actual project design;- Participation in internal / external meetings;- Production of cost calculations and budgets for projects;- Coordination, procurement and realisation of parts of a project;- Coordination of subcontractors and suppliers and assistance of those parties with work performed on project sites;- Assistance with pilot research on site with our clients;- Client visits within and outside of South Africa;
Educational background: B-tech Mechanical engineering. Registration as professional engineer is a pre.

Behavioural skills / competences:

- Analytical
- 3D spatial understanding
- Assertive
- Independent
- Good social/ communication skills
- Cooperation
- Good oral and written expression skills
- Result driven

Specific knowledge:

- Computer skills: MS Office, auto CAD 3D
- Knowledge and certificates HSE
- English language

Communication:

- Internal communication
 - Project manager
 - Process engineer
- External communication
 - Clients (English)
 - Suppliers (English)

Experience:

3 - 5 years experience as engineer in the field of waste and process water / industrial installations which include process piping, valves, pumps, equipment, filters.

Remarks:

The engineer must be willing to assist with other tasks within the company besides engineering, in case there is a special requirement for such.