# Role Profile

## JOB DETAILS

<table>
<thead>
<tr>
<th>Position Title:</th>
<th>Electrical Engineer</th>
</tr>
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<tbody>
<tr>
<td>Reports to Position:</td>
<td>Section Manager</td>
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</table>

## JOB OBJECTIVE

Wood is currently looking to hire an Electrical Engineer for operations based in Singapore. He/She will be responsible for the execution of project work in accordance with company procedures within the man-hour and cost budgets.

## KEY ACCOUNTABILITIES & RESPONSIBILITIES

- Prepare, check, and approve Electrical Engineering and Design deliverables such as single line diagrams, schematics, layouts, specifications, studies, reports, and datasheets
- Perform calculations and system studies (e.g. Load Flow, Short Circuit, Motor Starting, Harmonic, Transient Stability, Power factor correction, Cable sizing, tray sizing, lighting)
- Carry out technical investigations, produce technical reports, engineering standards, and procedures
- Perform site surveys and define / execute modifications to existing facilities on brownfield projects
- Prepare material requisitions for HV / LV switchboards, transformers, UPS systems, trace heating, other electrical equipment and ELV systems (e.g. Telecom, CCTV, access control, PAGA)
- Prepare sub-contract requisitions specifying installation scopes of work
- Review Suppliers' quotations and prepare technical evaluations and meet with suppliers
- Take responsibility of MR packages, review / approve supplier documentation
- Perform inspection and witnessing of tests on major equipment
- Liaise closely with other functional groups as well as client personnel and participate in meetings and workshops
- Review drawings and document issued by other engineering groups
- Populate and maintain Electrical Database
- Supervise assigned team and junior colleagues
- Assist Lead Engineer / Discipline Manager in other project tasks / proposal activities as required

## PERSON SPECIFICATION

- Degree in Electrical Engineering
- Minimum 5 years of Experience in an EPC environment specific to process plants and electrical distribution at High, Medium, and Low Voltages
- Track record of independently supporting electrical / mechanical procurement packages
- Good knowledge of common discipline softwares and MS Office suite
- Ability to manage other electrical engineers and designers
- Good verbal and written communication skills in English language
- Ability to work well in a diverse team

If you are interested in this position, please click on this [link](#) and it will direct you to your new career!
# Role Profile

## JOB DETAILS

<table>
<thead>
<tr>
<th>Position Title:</th>
<th>Process Engineer/ Senior Process Engineer Engineer</th>
</tr>
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<tr>
<td>Reports to Position:</td>
<td>Section Manager</td>
</tr>
</tbody>
</table>

## JOB OBJECTIVE

Wood has an opportunity for a Process Engineer. There is an increased thrust to deliver our services for the growing Asian market. As a result of this, Process operation is expanding and evolving to manage the challenges of regional projects that continue to pose challenges in offering our services through a global talent pool.

## KEY ACCOUNTABILITIES & RESPONSIBILITIES

- Carry out Process Design and related activities as assigned in project
- Interact with other engineering disciplines and project as required for preparing the process deliverables
- Carry out the activities as required and assigned related to standardisation tool development & procedures

## PERSON SPECIFICATION

- B.E or B.Tech Chemical Eng. or Process Engineering with 3 to 7 years of experience in Process design engineering, working at various levels of an engineering project starting from Basic Engineering, FEED and EPC (Greenfield / Revamp projects)
- Experience from Refinery, Oil & Gas, LNG, Petrochemical will be an advantage. Experience in Utilities & Offsite
- Experience in Preparation of Design Basis, PFD and P&ID, generation of process data sheets for equipment and instruments, Hydraulic calculations, Relief & Flare Calculations
- Hands on experience in the use of technical software like, HYSYS, PRO-II, AspenPlus, Flaresim, Flarenet, Pipesim etc will be an advantage

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JOB DETAILS

Position Title: Rotating Equipment Engineer / Senior Rotating Equipment Engineer

Reports to Position: Section Manager

JOB OBJECTIVE

Wood has an opportunity for a Rotating Equipment Engineer. There is an increased thrust to deliver our services for the growing Asian market. As a result of this, Machinery Equipment Engineering Department operation is expanding and evolving to manage the challenges of regional projects that continue to pose challenges in offering our services through a global talent pool.

KEY ACCOUNTABILITIES & RESPONSIBILITIES

- Reporting to the Project Engineering Manager, the main functions of the role will be to prepare mechanical datasheets, ensuring work is done in accordance to procedures, codes and standards
- Prepare Equipment mechanical Datasheets
- Execution of assigned work in accordance with applicable contract procedures, codes and standards
- Perform activities such as – issue of Material Requisitions and Technical Bid
- Review Vendor Drawings and Documentation as per relevant Technical Practices

PERSON SPECIFICATION

Senior Engineer
- Degree in Mechanical Engineering with at least 5-10 years of experience in Refinery / Petrochemical / Chemical / Power / Pharmaceutical Plant Projects.

Engineer
- Degree in Mechanical Engineering with at 0-2 years of experience in Refinery / Petrochemical / Chemical / Power / Pharmaceutical Plant Projects.

- Knowledge of Process Equipment (Rotating) and International Design Codes & Standards.
- Strong communication and inter-personal skill
- Highly motivated, well organized, resourceful and proactive
- Possess good interpersonal skills with sound written and oral communication skills
- Flexible approach and able to work under pressure with a can-do attitude and a desire to win
- Ability to promote an open and informal communication environment that aims at growing mutual trust and teamwork

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## JOB DETAILS

<table>
<thead>
<tr>
<th>Position Title:</th>
<th>Civil and Structural Engineer/ Senior Civil and Structural Engineer</th>
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<tbody>
<tr>
<td>Reports to Position:</td>
<td>Section Manager</td>
</tr>
</tbody>
</table>

## JOB OBJECTIVE

Wood has an opportunity for a Civil and Structural Engineer. There is an increased thrust to deliver our services for the growing Asian market. As a result of this, our Civil, Structural and Architectural (CSA) Department operation is expanding and evolving to manage the challenges of regional projects that continue to pose challenges in offering our services through a global talent pool.

## KEY ACCOUNTABILITIES & RESPONSIBILITIES

- Reporting to the Civil, Structural, and Architectural Lead or Area Engineer, the main functions of the role will be to be aware of the latest applicable codes and standards and carrying out activities assigned to the team
- Share the activities among the project assigned Civil team members and ensuring that proper information are available at any stage of the work
- Discuss with the Client representative/s technical problems which may arise during project development. Critical matters affecting cost and schedule should be reported to the Engineering Manager and/or the Project Manager
- Ensure that the Civil project team have implemented consistently all comments in the project deliverables and ensuring they are included in the next revision issue of documents and drawings
- Check critical design calculations and specifications of the project
- Approve all Civil related documents and drawings produced in the project before issue

## PERSON SPECIFICATION

- Degree in Civil Engineering
- At least 5 years of relevant experience
- Well versed in Staad Pro
- To be both fluent in concrete & steel works design of Industrial buildings like Pipe racks, Substation, MCC, Ware House, Maintenance building, and Admin Buildings
- Having knowledge of Blast Resistant Design of RC and Steel Buildings is an added advantage
- Familiar with local codes and practices
- Highly motivated, well organized, resourceful, and proactive
- Possess good interpersonal skills with sound written and oral communication skills
- Flexible approach and able to work under pressure with a can-do attitude and a desire to win
- Ability to promote an open and informal communication environment that aims at growing mutual trust and teamwork

If you are interested in this position, please click on this link and it will direct you to your new career!
A global leader in engineering, project and technical services to industrial, energy, process and utility markets.

We have a global network of skilled professionals, delivering on our reputation for integrity and assurance.

Sectors and markets we operate in:

- Clean Energy
- Petrochemicals and Chemicals
- Refining
- Environment and Infrastructure
- Pharmaceuticals and Manufacturing
- Marine and Defence
- Mining and Minerals
- Power and Utilities
- Oil and Gas

160+
Year history

$10bn
Revenue

55,000
Employees

60+
Countries

400+
Offices

woodplc.com
Complete life cycle support

**Design**
We have engineered some of the largest and most complex facilities in the world. From early feasibility and conceptual work to front end and detail design we have all phases of the design stage covered. Our expertise covers new build and brownfield modifications complemented by a range of specialist engineering disciplines.

**Build**
Strong procurement and fabrication facilities combine with world class construction capability to see your facility built and installed to the highest standards. At the most crucial point our commissioning teams can take care of the highly complex process of coordinating the thousands of systems and checks necessary to get your asset up and running.

**Operate**
Experienced operations teams to run your facility efficiently. With asset familiarity and cross sector knowledge we have the people and processes to keep your plant operating safely. Qualified manpower, integrated services or aligned partnerships are all possible through our flexible models.

**Maintain**
High level maintenance philosophies and strategies or rapid response campaigns and everything in between. Maintenance is a core capability for us, our understanding of integrity is both broad and deep with a comprehensive range of supporting services and specialisms we can apply to help you extend the life of your assets.

**Modify**
To help you increase production, improve safety or extend life our modifications services have their own life cycle. With fully scalable delivery we have all the capability to assess, design, build and install effective replacements and upgrades to your facility.

**Decommission**
As your facility reaches the end of its design life we can help you transition to new modes of operation and prepare for shutdown and decommissioning. We take a holistic approach to offer the most suitable and cost effective methods to finalise your operation.

**Specialist expertise and technical services**
Specialist technical services are a key complementary part of our offering. Across every stage of the life cycle we have a range of highly specialised teams dedicated to solving the unique challenges that every asset presents.

Our services here include:
- Automation and control
- Asset integrity solutions
- Environment and infrastructure
- Digital technologies
- Industrial services
- Process technologies

With our complete range of services we can help at every stage of the asset life cycle. Innovative and scalable delivery models allow complete flexibility to choose from specialist consultancy services, project based delivery or long term contracts.

**Our values**

**Care**
Working safely with integrity, respecting and valuing each other and our communities.

**Commitment**
Consistently delivering to all our stakeholders.

**Courage**
Pushing the boundaries to create smarter, more sustainable solutions.