

# United Arab Emirates Jobs Expertini®

## Mechanical Expert

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Company: ENGIE

Location: United Arab Emirates

Category: healthcare-practitioners-and-technical

ENGIE Laborelec is a leading expertise and research center in electrical power technology. Drawing on the skills of 300 highly specialized engineers and technicians, the company is active on the whole electricity value chain and backs a large set of customers in the fields of generation, transmission, distribution, storage and final use of electricity, with a particular focus upon the energy transition and the 3 D's - decentralization, decarbonization and digitalization.

All forms of electricity generation come within our capabilities, whether centralized or decentralized, from fossil and nuclear to renewables technologies. Directly or indirectly, we also work for a large array of other customers, including grid operators, large industries, SME's, cities, regions or residential prosumers.

With a strong focus on high value delivery for our customers, we combine expert knowledge and operational experience with state-of-the-art analysis and measurement capabilities to provide operational research and development services, specialized expertise and tailor-made global solutions. We guarantee the independence and objectivity of our solutions and recommendations.

Established in 1962 to support electricity companies with a wide range of specialized services, Laborelec is today a cooperative company, with ENGIE and independent grid operators as shareholders. Laborelec has a global presence, with activities in more than 60 countries and offices in Belgium, the Netherlands, Germany, Chile and Abu Dhabi.

### Your mission

As a Mechanical expert, your activities will be a combination of consultancy office based work

and on-site work in Power and Desalination plants:

### **Project Management:**

Develop project plans to ensure successful project delivery, including timelines, budgets, resource allocation, and scope definition. Monitor and report on project progress, risks, and issues and implement corrective actions as necessary. Engage with stakeholders, including plant personnel, suppliers, and internal experts, to ensure clear communication and alignment on project objectives and outcomes. Identify and manage project risks, including technical, financial, and operational risks, and develop mitigation strategies to minimise their impact. Coordinate with cross-functional teams, including engineering, operations, and maintenance, to ensure successful project execution.

### **Technical Expertise :**

Develop and manage inspection plans for equipment and material assessments, ensuring on site missions are delivered on time, within scope and budget. Prepare inspection plans, perform field inspections, condition assessment, Remaining lifetime assessment and extension services, focusing on assessing conventional utility boilers / HRSG (Heat Recovery Steam Generators) pressure parts and associated equipment and preparation of the reports after on-site mission covering the findings, identifying the critical issues which might impact availability & reliability, recommendations on short term and long term basis. Recommend changes in procedures, equipment, or materials as necessary to maintain and improve performance, reduce O&M costs, and increase reliability. Provide technical support for plant operations and maintenance activities. Provide engineering support for operating power plants with regards to performance and condition assessments, design modifications, and the upgrading and replacement of pressure part components and associated equipment. Provide technical support for plant operations and maintenance activities, offering guidance on performance and condition assessments, design modifications, and the upgrading and replacing boiler/HRSG pressure part components and associated equipment. Work closely with power plant personnel to understand operations & maintenance practices and their impact on boiler/HRSG performance and reliability. Develop and maintain a comprehensive boiler/HRSG inspection plan for each unit, including drawings, soot blower locations, tube material information, inspection criteria for each floor/area, and pictures of typical failure mechanisms.

The mission implies travel across the Middle East, Asia & Turkey.

## **Qualifications**

You have:

At least a four year degree in Mechanical Engineering from reputed university,

A minimum of 10 years technical and/or professional experience.

Experience working with boiler/HRSG OEMs in engineering & field services or with Boiler/HRSG Inspection service companies

Knowledge of Boiler/HRSG design, operation and maintenance,

Project Management Proven project management skills, including the ability to develop and manage project plans, coordinate with cross-functional teams, and monitor and report on project progress. Working knowledge of conventional and CCGT power plants. Ability to manage multiple projects simultaneously and ensure timely and within-budget delivery.

Hands on experience in Boiler/HRSG condition assessments & field services, Supervision of tube leak / piping repairs / replacements QA/QC follow-up Supervision of Non-destructive testing – DPT/MPI, Metallography, UT-Thickness, PAUT, Boroscope etc Wiring technical reports

Project management skills, working knowledge of conventional & CCGT power plants

Experience in Boiler Combustion tuning would be an added value.

You are:

Open minded, willing to learn about assets and techniques which are out of comfort zone

Organized, a team player, with a strong ability to work on your own.

Fluent in English

At ease in communicating with client - middle and top management, with interpersonal skills and are able to lead technical meetings;

Willing to travel across the Middle East, Asia & Turkey.

## **ENGIE Laborelec offers you:**

A competitive remuneration package;

A wide range of training and development opportunities;

A healthy work-life balance

An exciting career in a leading competence centre within the ENGIE group, the international energy player.

**Workplace:**ENGIE Laborelec – Dubai

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