

MATERIALS AND CORROSION ENGINEER - CESCOR UK

1 INTRODUCTION

1.1 ABOUT CESCOR

CESCOR was originally created as an association of professionals in 1988 (Centro Studi Corrosione) and was later established in 1994 as an engineering and service company in Milan, Italy with Professor Pietro Pedferri – Polytechnic of Milan, being one of the founder partners of the Company.

In December 2016 CESCOR UK Ltd was incorporated as a subsidiary of CESCOR Srl, with a clear commitment towards the continuous growth and the development of the group.

Our commitment is to provide our customers with state-of-the-art engineering expertise in the fields of materials, corrosion and corrosion mitigation. This contributes to ensuring integrity and durability of assets as well as to improving safety, environment preservation and energy saving.

Our values are shaped by the following directives:

- Persistent focus on health, safety and sustainability
- Maintenance and improvement of Company's reputation
- Constant care for our people and for our customers
- Continuous alignment and commitment to our mission
- Creative passion and teamwork

1.2 ABOUT THIS ROLE

Cescor UK is recruiting for a Materials and Corrosion engineer to support the activities and growth plan of our recently established UK office. The person shall be capable of delivering project work in accordance with technical procedures and international normative within an agreed schedule and budget. The candidate engineer shall have a materials and corrosion related experience of at least two years, working for the energy (subsea, offshore, onshore) or other related industry. A strong academic background in corrosion and metallic materials is essential.

Job title	✓ Materials and Corrosion Engineer
Location	✓ London (estimated travel time requirements within UK or abroad to not exceed 20% of work-time).
Responsible to	✓ CESCOR UK Director (based in UK)
Key working relationships with	✓ CESCOR SRL Engineering team (based in Italy)
Contract type	✓ Full-time, open-ended
Closing date for applications	✓ 20/08/2021

2 JOB DESCRIPTION AND ROLE FUNCTION

The successful candidate will be required to undertake the following activities, supported by more senior resources based in London or Milan offices:

- Preparation of corrosion assessments and material selection reports for oil and gas assets (for conceptual and detailed design phase of Client's Projects) and familiarity with relevant standards such as ISO 21457 and NORSOK M-001
- Identification and ranking of various corrosion and cracking mechanisms for pipelines, flowlines, risers, process piping and equipment for a given service and environment
- Ensuring equipment compliance with sour service requirements of relevant standards as ISO 15156/NACE MR 0175
- Preparation of material, welding, coating specifications and technical datasheets in accordance with international relevant normative and Client's standards
- Review of qualification and production manufacturing procedures of metallic equipment such as linepipe, induction bends, forging, fittings in accordance with API 6A, API 5L, DNVGL-ST-F101, ISO 3183, etc
- Review of testing procedures from suppliers including corrosion testing
- Review of welding procedures and familiarity with key codes as ASME BPVC Section IX, EEMUA 158, DNVGL-ST-F101, NORSOK M-101, etc
- Preparation/review of technical bid evaluations for pipelines and forgings manufacturers, welding contractors and coating suppliers/applicators
- Review and approval of coating application procedures for structures and pipeline transportation systems (PQT's, PPT's) and familiarity with NORSOK M-501 and ISO 21809 series
- Participation in kick-off meetings, pre-production meetings with suppliers within UK and abroad

- Preparation of technical and commercial offers for bidding purposes to Clients or potential Clients
- Management and development of relationship with Clients
- Contribute technically to the business development function through marketing strategies and analysis
- Support the qualification process on Clients' portals by providing technical inputs
- Undertake other reasonable duties, as required.

3 SKILLS

3.1 Essential

- MSc degree in materials, corrosion or another relevant engineering discipline
- Minimum of 2 years relevant experience
- Excellent understanding and knowledge of corrosion principles and electrochemistry
- Good understanding and knowledge of metallurgy, welding, coatings engineering
- Basic understanding of cathodic protection principles
- Ability to work independently and as part of a team in Cescor offices or in case of secondment at Client's premises
- Positive attitude towards continuous improvement and problem-solving skills
- Full proficiency in using Microsoft Office tools (at least Word, Excel, PowerPoint)
- Excellent communication and interpersonal skills, including the ability to present at small meetings and to prepare clear and effective written communications and reports
- Team player attitude as well as ability to perform and deliver tasks autonomously
- Motivated self-starter with a commitment to development
- Strong focus on results
- Flexibility and problem-solving attitude
- Good time management and prioritisation skills working across several simultaneous projects
- High level of initiative and the ability to partner across the organization effectively
- Ability to understand CESCOR Quality, Environmental and HS systems (in line with ISO 9001/ISO 14001)
- Ability to understand CESCOR products and services.

3.2 Desirable

- PhD in materials, corrosion or another relevant engineering discipline
- IWE/EWE qualification for welding engineering
- Coating qualifications to NACE, ICORR, FROSIO or equivalent

The candidate is kindly requested to submit a detailed cover letter together with a CV, explaining how the requirements and required skills of this job specification are met by providing specific examples, where possible.

To apply please email both documents to info@cescor.co.uk using the email subject line "Materials and Corrosion Engineer - Application".

Regrettably, we will be able to respond only to successful candidates. Thank you for your understanding.