

## **Numerical Analysis Design Engineer**

### **Hellenic Cables**

### **is seeking a Design Engineer to join our Numerical Analysis Team in our dynamic Engineering Department**

The purpose of the job is to support the process of delivering state-of-the-art models and methods to reduce costs during a tender or any other process (e.g. Project Implementation or Quality Control phase). Focus is made on the development of models related to Finite Element Method (FEM). Participate and actively assist mainly in numerical (e.g. finite element), but also analytical modeling for thermal, electromagnetic and fully coupled analyses. Development, support and maintenance of other organizing activities related to cable representation and data base creation.

#### **Responsibilities:**

- Support in the development of non -standardized models
- Assist in the production of top notch thermal and electromagnetic analysis
- Active participation in the establishment of tests required to determine the reliability of a cable infrastructure including types of failure modes, fracture mechanics etc.,
- Identify common failure mechanisms affecting submarine cable infrastructure focusing on customer technical needs
- Technical support and consulting in the whole Cable Engineering Dpt., in collaboration with R&D Dpt.
- Technical support and consulting in other Dpts., such as Quality Control
- Prioritize projects according to the company's needs
- Follow deadlines, deliver on time

#### **Requirements:**

- MSc (or higher degree) in Electrical Engineering
- Specialization in Electrical Power or High Voltage Engineering
- Excellent Knowledge and use of FEM Simulation Commercially Available Programs (COMSOL, ANSYS or else)
- Very Good use of Matlab programming language
- 3+ years' experience in numerical modeling and simulations
- Excellent command of English
- Strong analytical, problem-solving, interpersonal and communications skills
- Customer relationship management
- Audit and monitoring

#### **The Company Offers:**

- A unique opportunity to thrive in one of the pioneering companies in cable manufacturing
- Competitive remuneration package as well as Life & Health Insurance Plan

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