

Department: Transport R&D

Title of job: **Mechanical Development Engineer**

Date of hire: 01/09/2021

Workplace: Lannion

Type of contract: Permanent full time

Description of the job:

Ekinops is a leading provider of open and fully interoperable Layer 1, 2 and 3 solutions to service providers around the world.

As a mechanical development engineer based in Lannion, you will have responsibilities for designing, developing and testing mechanical parts of chassis and cards for our OTN / WDM hardware platforms. You will integrate an international hardware design team (France / Brazil) to develop, transponders, optical amplifiers, ROADMs, OTN Line and Switching cards for optical transport networks.

Skill of the applicant

Education

- Engineer with strong mechanical background.

Main knowledge

- Strong knowledge in mechanical design :
 - o Metal sheet design rules (bend radius, rivets, soldering process...)
 - o Mechanical assemblies with electrical connectors and PCB.
 - o Thermal management (Heatsink, Heat pipe, Vapor chamber ...)
 - o Milling machine basic design rules.
- Experienced with electronic and thermal design, with airflow based on fan design.
- Strong skill in CAD systems (3D design tools, 2D drawing, Thermal simulation, PLM...) and specifically in Solidworks tools suite.
- Good knowledge in Telecom and Datacom standards (ETSI, 19"/21"/23", 300/600mm depth...) and DCI (Data Center Interconnect) environments.

Experience

Minimum of 5 years on Mechanical design in Telecom environment is required.

Particular abilities

- You are used to work in a telecom environment
- You are comfortable working in an international environment in English language
- You are autonomous and self-learning
- You are continuously looking for improvement and you make proposals and alerts

Contact : hr@ekinops.com