

Function:	Senior Project Engineer
Project/Department:	Engineering

1. Needs

As Project engineer, you will be assigned to a team to work in challenging projects. Your main responsibility is to work within the team to provide cutting-edge design solutions for optical systems in harsh environments. You will have the opportunity to work in a multidisciplinary team and demonstrate and develop your mechanical design skills.

2. Duties & Responsibilities

- Design and development of optical mechanical systems
 - Design from concept to final product;
 - CAD implementation (CATIA);
 - Elaborate detailed technical drawings;
 - Elaborate and review technical documents;
 - Perform tolerance analysis;
- Design justification and validation
 - Perform FEM analysis (thermo-mechanical and structural);
 - Perform parametric studies and hand calculations;
 - Selection of materials;
 - Use the appropriate industrial code in design validation.
 - Identify the best FEM methodology.

3. Minimal Requirements:

3.1 Academic Qualification

- Master degree in Engineer (Aerospace, Aeronautical, Mechanical or equivalent);
- Good English level.

3.2 Key Technical Knowledge

- CAD Software (e.g. CATIA, Solid Works, Solid Edge ...);
- FEM software (e.g. ANSYS, NX, NASTRAN, Patran ...);
- Knowledge on industrial codes (ASME, RCC-MR);

3.3 Practical Experience

- 3 years of experience in mechanical design and FEA;
- International experience is a plus;
- Critical thinking and problem-solving skills;
- Planning and organizing;
- Decision-making;
- Communication skills;
- Ability to ask penetrating questions;
- Team work;
- Adaptability;
- Stress tolerance.

4. Availability

From immediate to 2 month.

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