



Electro-Mechanical Engineer

Apprentice Engineer for Electro-Mechanical Design *Develop a Rechargeable battery system for permanent applications*

Clamart, September 2025

ABOUT US

Our story begins with what it truly means to be a technology innovator. It stems from a common sense of purpose that unites the people of Schlumberger who, representing more than 160 nationalities, provide leading digital solutions and deploy ground-breaking technologies to enable performance and sustainability that are crucial for the global energy industry. With expertise in more than 120 countries, we partner with customers in close collaboration to create industry-changing technologies that unlock cleaner, safer access to energy for every community—including those we live and work in.

SCOPE AND RESPONSABILITIES

Within the multi disciplinary Completions Engineering team (mechanical, electrical, software, firmware), the project scope is to initiate the development of new technology bricks to create a monitoring systems working wirelessly on batteries for more than 20 years. The proposed technique would consist of a downhole turbine protected with a shield when not operating to reduce the erosion effect. or flapper valve design that is electrically actuated.

The candidate will have to review the existing electronics architecture as well as mechanical and propose some key concepts to achieve the feasibility. It will require CAD design, Material expertise, possibly FEA, some electronic system modeling with scenarios models to dimension the system.

TARGET DISCIPLINE AND SPECIAL SKILLS

Expected profile: Master's degree with Energy knowledge (Oil&Gas)

- Mechanical Design
- FEA (Ansys or equivalent)
- Electro-Mechanical
- CAD tool (Creo or equivalent)
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Around 800 scientists, engineers, and technicians, of more than 50 nationalities, design and manufacture equipment and systems for our oilfield services worldwide.

Based in Clamart close to Paris, SRPC teams form a center of excellence for research and development of breakthrough technologies.

SRPC is recognized globally for its expertise in

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- High-temperature electronics
- Mechanical systems for extreme conditions
- Physics of sensors and measurements
- Software development
- Applied mathematics
- Geophysics and geology
- Energy engineering

Our strength comes from our passion for innovation and our multicultural population.

Send your resume to RTeillet@slb.com, & FVogeleisen@slb.com

Schlumberger is an equal employment opportunity employer. Qualified applicants are considered without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or other characteristics protected by law.