



GENVIA

INTERNSHIP OFFER

Infrastructure digitale écosystème
hydrogène électrolyseurs à oxydes
solides

January 2022



GENVIA

At Genvia, our mission is to support international organisations and industry in the energy transition, in order to enable them to achieve the objectives of decarbonation and Net-Zero on a global scale.

We are convinced that carbon-free hydrogen is a sustainable and virtuous solution for our planet, our daily life and for the next generations. Beyond the vision, it is the ability to achieve that matters. This is why we recruit talents, in all positions, who adhere to this vision and contribute to the success of this project.

If you too want to get involved in a project:

- > innovative and meaningful,
- > which makes it possible to provide answers to the energy transition thanks to carbon-free hydrogen,
- > within a caring and efficient team, who share a common goal daily,

So, join us!

About Genvia

Joint venture created in 2021 by Schlumberger, CEA, Vinci Construction, Vicat and AREC. We develop and manufacture high temperature electrolysers to produce low-carbon and affordable hydrogen, energy storage and applications at large-scale.

- > **Domain** / IT and OT engineering: Software Design and Development

- > **Title** / GENVIA Connected Systems Software Architecture Design and Development

- > **Scope** / GENVIA System Engineering group is designing Solid Oxide Electrolyzers (SOEL) for so-called green H₂ production targeting large industry decarbonization. All GENVIA assets from Engineering phase to end of Life Phase are designed to be digitally connected. This vision implies a wide IT/OT ecosystem involving cloud computing, edge computing, Industrial IoT and Cybersecurity. Internship Scope covers Edge computing and cloud infrastructure and applicative services qualification, specification, design and development. DevOps methodology and tools are used.

- > **Mission** / Candidate will be involved in Architecture, Design, Specification and Development Deliverables. She/he will also be part in setting up DevOps tools and/or opensource technological bricks required to achieve GENVIA Global Digital vision

- > **Target diploma and year of study** / IT/OT Full stack Engineering Degree 3rd year or final year internship

- > **Skills Areas** / Technically focused. DevOps tools knowledge (Gitlab), Development skills (Java, GO), Linux environments (Debian based). IoT and/or Industrial IoT (Mqtt, INfluxDB, Kafka, Grafana). Docker and Microservices knowledge. Use of Docker Compose and Kubernetes orchestration is a plus highly appreciated. Technical skills and autonomy. Work and collaboration from remote using DevOps platform (GitLab).

- > **Duration** / 5 to 6 months. (From: February 2022)
- > **Location** / GRENOBLE + Home Working
- > **Application** / Send application (CV + short motivation) to:
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