



Firefly Fusion is looking for its future Chief Technology Officer (CTO)

Firefly Fusion is a pioneering Franco-Swiss startup driving innovation in nuclear fusion. Our mission is to demonstrate the feasibility of fusion energy by the early 2030s and lead the industry towards timely construction of the first fusion power plants. As a first step, we aim to design and construct a new tokamak built on proven technologies and experimental data.

Position

Firefly Fusion is seeking a **Chief Technology Officer (CTO)** with deep expertise in experimental fusion science and/or fusion engineering to drive our technology strategy and execution. As a key member of our leadership team, you will shape our R&D roadmap, build and lead engineering teams, and oversee the design and construction of critical tokamak systems. This role requires technical excellence, strategic vision, and strong teamwork and leadership skills to guide multidisciplinary teams in achieving our ambitious mission.

Responsibilities

- Define and implement Firefly's technology roadmap, aligned with business objectives.
- Build, lead, and mentor high-performance engineering teams.
- Foster a culture of excellence, responsibility, and agility.
- Collaborate closely with technical and executive teams, and external partners.
- Oversee the design, prototyping, testing, and procurement of systems and components.
- Guide and manage Firefly's IP strategy and portfolio.
- Ensure compliance with safety, technical, budgetary, and regulatory requirements.
- Anticipate technological advancements and represent Firefly at events.

Qualifications

- Agile, responsible, and adaptable mindset with tested leadership and teamwork skills.
- Strong collaborative, interpersonal, and communication skills.
- Several years of experience in fusion research, fusion engineering or industry.
- Hands-on knowledge of key fusion systems, components, and methods.
- Advanced degree in experimental fusion science/engineering.
- Preferred: ability to start in Summer 2025 and EU/French passport or work permit.

Why Join

- Shape the future of the fusion industry and realize the promise of fusion energy.
- Play a key role in building a breakthrough fusion tokamak.
- Join an entrepreneurial team with leadership and professional growth opportunities.

Next Steps

Let us know why you would be the best CTO (with CV) at team@fireflyfusion.energy.