



WE'RE HIRING!

→ Mission Analysis [Tech Lead]





WE ARE LOOKING FOR:

Mission Analysis Tech Lead to join our team!

You'll be responsible for driving the technical excellence and innovation behind mission design, flight dynamics and software solutions supporting space missions, as well as being responsible for the technical aspect of customer success in our software products. This role combines deep expertise in mission analysis and software development with strong leadership and consulting skills, as well as a hands-on mindset, participating in and ensuring high-quality deliverables and customer satisfaction.

As a key technical reference, the Mission Analysis Technical Lead ensures that products and tools meet both engineering and client needs, promoting best practices in modeling, simulation and software engineering.



Key responsibilities

- Act as a technical advisor to customers, guiding them on best practices in mission analysis and helping them maximize the value of company tools and solutions.
- Evaluate the definition, technical feasibility and optimization of missions, including general mission analysis aspects as well as trajectory options, propulsion needs, and spacecraft maneuvering strategies, often, as part of consulting contracts with industry stakeholders.
- Review, validate and collaborate in software design, analyses, models and simulations produced by the team to ensure accuracy and consistency.
- Oversee and collaborate in the development of advanced software solutions for mission analysis, flight dynamics, and operations, focusing on the satisfaction of customers' needs.
- Ensure the quality of products developed, especially 360™, fostering best practices for testing, validation and documentation of software.
- Contribute to and lead the preparation of technical proposals for national and international opportunities, ensuring compliance with client requirements and industry standards.
- Provide technical expertise, and support to engineering, operations and system design teams to ensure mission requirements are met.

Your team

You will be part of our **Mission Analysis and Operations department**, which is in charge of the development of our 360™ tool, both in terms of software development and providing mission analysis services.



Qualifications & skills

- Technical Requirements
 - Master's degree in Aerospace Engineering, Software Engineering, Systems Engineering, or a related field. A Ph.D. is highly valued.
 - Proven hands-on experience in mission analysis within the space sector.
 - Strong understanding of spacecraft modeling and key subsystems, including propulsion, ADCS, power, communications, and thermal control.
 - Proficiency with (or strong familiarity with) mission analysis and flight dynamics tools/libraries such as GMAT, STK, Orekit, FreeFlyer, or equivalent.
 - Proven expertise in Python and/or Julia. Knowledge of additional languages, such as MATLAB, C++, or similar, is considered an asset.
 - Good understanding of SW engineering practices and infrastructure, including object-oriented programming, test-driven development, CI/CD, UX/UI Typescript, and DevSecOps environments (e.g., Docker, AWS).
 - Solid understanding of orbital and attitude mechanics, optimization, and spacecraft operations. Experience in spacecraft operations, and in particular in spacecraft maneuvering, is highly valued.
 - Experience contributing to technical proposals at national and international levels, and knowledge of space standards.
 - Ability to manage and supervise multiple concurrent projects with technical consistency.
- Soft Skills
 - Strong leadership skills, with experience managing, mentoring and contributing to technical teams.
 - Ability to maintain a global vision while supervising and executing detailed technical work.
 - Excellent communication skills, able to interact effectively with technical and non-technical stakeholders, including team members and clients.
 - Capacity to foster collaboration across interdisciplinary teams.
 - Resilience and ability to manage stress in high-pressure environments.

Benefits & perks

- 🚀 **A key role in a pioneering space startup**, where you will directly impact the development of cutting-edge propulsion technology.
- 💼 **A full-time contract** of 40h per week.
- 🕒 **Flexible working hours**, allowing you to manage your schedule for better work-life balance.
- 🏠 **Hybrid work model**: work remotely up to 9 days per month.
- 🌲 **Extra holidays**: in addition to 23 vacation days, enjoy 6 additional days off during the Christmas period (from 24 December to 2 January, both included).
- 🏥 **Private health insurance**, fully covered by the company.
- 🎓 **Learning & Development**: €1000 per year budget for training, courses, and professional growth.
- 💪 **Autonomy and responsibility**: your contributions will directly shape our technology and success.



Ready for takeoff? Email us at careers@ienai.space with [APPLICATION MISSION ANALYSIS LEAD in the subject line.