Empowering digital twin asset management
*Subtle **drone** and **3D-scan** technologies for enhanced businesses*

Python Dev & Data Engineer

From advanced research algorithms to state-of-the-art software development

About us

Acernis was created to bring together people that are passionate about using innovative technology to create a positive impact across industries. **Acernis** is specialized in integrating drone-based solutions and in developing 3D scan (LiDAR…) processing technologies. We generate **IDT (infrastructure digital twins)** that power the digitalization of asset management tasks, such as inspection and maintenance.

We are an **international team** with a mixed background in civil engineering, civil aviation, mechatronics, software development and international business. We are committed to provide you a creative and dynamic environment, with multidisciplinary and inspiring teammates.

About the mission

You will be actively involved in the development of our IDT product, aiming at generating and powering a **3D model** (**CAD**) from **drone-acquired point clouds** of steel lattice structures, such as power grid and telecommunication towers. This product may include state-of-the-art technologies amongst data cleaning, point cloud segmentation, feature extraction, image analysis, AI-based data processing, CAD-model generation, parametric design, static load calculation…

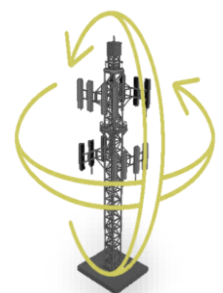Within the Product team, which includes engineers and university researchers, your missions will be to:

- Contribute to the development of the product
- Contribute proactively to the solution discovery activities (brainstorming, ideation, costing, prototyping, user testing…)

- Implement software development procedures (best practices, OOD and design patterns, code review, git workflow, unit testing, CI…), and support the team in catching up on those practice

About you

You are **motivated** and **resourceful,** with an **entrepreneurial mindset,** and keen to **learn, share and empower** you and your team within a **lively start-up** environment.

Your skills, expertise and interests include:

- 5+ years of industry experience working as Python software engineer
- A passion for collaborative development best practices and code quality
- A flair for sharing with people around you, advising teammates, and promoting the team
- (Nice to have) Knowledge in AI, point cloud processing or geomatics

- The excitement and commitment about understanding and solving down-to-earth industry concerns using cutting-edge technologies
- A pronounced adaptation capability, enhanced by curiosity, fast learning skills, and an humble desire to thrive
- Fluency in English

Application via: join-us@acernis.fr

Contract: Permanent (CDI)   **Location:** Nantes, France   **Start date:** ASAP