4.4 Job Posting for Researcher at **OZZIE**.

OZZIE robotics

OZZIE Robotics: 7th km Thessalonikis-Neon Moudanion, Pilea, Thessaloniki

Eligible sending organisations

JSI, ULUS

Role title

Mechanical Engineer - Robotics

Environment

OZZIE Robotics is a spin-off company of CERTH, specialized in the development of mobile service robots. OZZIE develops mobile robot platforms, both for indoor and outdoor environments and for diverse application cases. By combining the research background of its founding members from CERTH with practical service robot solutions, OZZIE provides an excellent environment for young researchers to see how research outcomes lead into robot products in practice.

What you will work on

The secondee will:

- Be engaged in the **design and development of mechanical components and systems** for the OZZIE robots, particularly contributing to the prototyping and integration of robotic platforms.
- Contribute to the **calculation of mechanical loads and strength** of robot parts.
- Help **analyse the operational parameters** of the robots and **select appropriate mechanical components**.
- Take part in **prototype fabrication, assembly, testing and validation** of robotic platforms.
- **Collaborate with the electronics and software teams** to develop integrated robotic solutions.
- Participate in **team meetings/stand-ups** and undertake **independent tasks with clear objectives**, with support from the OZZIE team.

What you will gain

- Advanced understanding of how **mobile service robots are designed and built**, from concept to working prototype.
- **Hands-on experience** with the mechanical requirements of robots operating in critical industrial environments.
- Experience working in a **multidisciplinary R&D team** alongside electronics and software engineers.
- Enhancement of **CAD design, mechanical analysis and prototyping** capabilities.
- Where possible, participate in relevant **training/events** within OZZIE's ecosystem.

Desired profile

The position entails regular hands-on involvement in the design, prototyping, assembly, integration and testing of robotic platforms. As such:

- **Diploma in Mechanical Engineering** or a related field.
- Experience with **3D CAD software** (preferably SolidWorks).
- Strong background in **Mechanics of Materials, Machine Elements and Kinematics**.
- Familiarity with **3D printing technologies** and **hands-on assembly skills**.
- **Excellent command of English** (C2 level).
- Strong **organisational, teamwork and communication** skills.

Duration & Flexibility

3 months between May and November 2027

Can be split into separate stays of at least 6 weeks each (for example 2 x 6-8 weeks) upon agreement.