

## Join Our Team as a Hybrid Energy Systems Engineer at Intracom Defense (IDE)

### About Us

Join **Intracom Defense (IDE)**, Greece's top tech defense company.

Our mission? To innovate, create, and deliver cutting-edge technology on a global scale.

At IDE, we research, design, develop, and manufacture groundbreaking products, systems, and solutions in sectors such as Tactical Communication and Information systems, Missile Electronics, Surveillance solutions, Hybrid Electric Power systems, Next-gen Unmanned Air and Sea platforms and disruptive technologies (such as Artificial Intelligence, Cyber Security).

As a key player in international defense, IDE is a registered NATO supplier and participates in international development and production programs, as well as in industrial cooperation programs for the defense sector.

Last but not least, IDE is a trusted and leading company in EU research and development programs, where research and innovation are the key elements for the upcoming technological breakthroughs.

In IDE we invest in people and technology!

*We're not just about defense— we're about shaping the future!*

 **Location:** Koropi, [East] Suburbs

 **Working Model:** On-site

 **Growth Opportunities:** Access to continuous learning, professional development, and career advancement pathways

 **Reporting to:** Hybrid Energy Systems Section Manager of the Engineering & Systems Department

### Why you Should Join Us:

We're on the lookout for a **Hybrid Energy Systems Engineer** who is responsible for the electrical design, sizing simulation and development of state-of-the-art hybrid power and battery energy storage systems that may incorporate diesel generator, solar systems and batteries in the range of 5 to 200KVA concerning defense applications, stationary and mobile. If you're ready to take the lead and drive innovation, IDE is where you belong.

### What You 'll Be Doing:

- Decipher system requirements, design hardware architecture, model energy storage system performance, specify and integrate BMS, EMS and SCADA subsystems.
- Review load profiles and simulate Battery Energy Storage Systems (BESS) to meet project goals.

- Develop system layouts and coordinate with electrical and mechanical engineers for complete packages to meet client needs.
- Design of all electrical connections of power systems, including wiring and cable/busbar sizing according to international standards
- Investigate design factors such as function, durability, performance, efficiency, and contractual requirements.
- Design of protection mechanisms necessary for the seamless and safe operation of the power systems by proper choice and coordination of relays and fuse arrangements
- Identification and selection of desired electrical components from international vendors
- Handle integration, testing, verification and documentation activities.
- Compose technical documentation.
- Define the simulation needs for the hybrid systems

#### **What's in it for You:**

- Friendly and Dynamic Working Environment.
- Competitive Remuneration package directly dependent on the candidate's qualifications and experience.
- Opportunities for Continuous Learning of state-of-the-art technology and career development.
- Private Health Insurance.
- Corporate transportation from central metro stations.
- Onsite dining facilities.
- Work-Life Balance initiatives.

#### **Qualifications & Experience**

##### **Required:**

- Diploma/MSc University Degree in Electrical Engineering (energy sector or energy systems).
- Ideally 2 years of experience in electrical infrastructure design (preferably in Energy Storage Systems)
- Experience in Lithium Ion batteries energy systems
- Electrical design for low voltage and grid applications
- Understanding of IEEE/IEC/UL standards
- Knowledge on AC/DC and DC/DC converters
- Knowledge of power systems modelling & simulation (MATLAB, SIMULINK, P-SPICE).
- Fluent use of English language.
- Ability to work independently, and communicate effectively with colleagues, clients and stakeholders.

##### **Desired:**

- Post-graduate Degree (PhD) on Electric Power Systems will be considered an asset.

- Familiarity with high power battery systems, Battery Energy Storage System (BESS). renewable technologies.
- Familiarity with microgrids, grid interconnection, autonomous systems.
- Fulfilled military obligations.

**Key Competencies:**

- Strong analytical and problem-solving skills.
- Willingness to take initiative and motivation to drive results.
- Very good planning and time-management skills.
- High sense of accountability and great ability to work effectively both independently and within a team.

**Ready to Join Us?**

At IDE, you're not just taking a job—you're stepping into a career where you can grow, innovate and make a difference.

If you are ambitious, and ready to take on the challenge, we want to hear from you!

*All applications will be treated with strict confidentiality.*