

Numerical Modelling Engineer (Structural/Thermal)

Patras, Greece

Full-time

-Job Description-

A. Your responsibilities

Are you passionate about modelling physical processes? Do you want to develop and analyze complex structural and thermodynamic systems with cutting-edge simulation tools? Then this is the Quest for you!

Take Part!

FEAC Engineering is looking for a Numerical Modelling Engineer to join its technical team at its brand-new, state-of-the-art offices in Patras, Greece. As part of the team, you will:

1. Work on Design & Development projects, including advanced multi-physics modelling and optimization loops across various industries (aerospace, maritime, energy, and defense).
2. Provide technical support & pre-sales consulting for FEAC's exclusive partnership with Siemens Digital Industries Software, representing leading-edge simulation solutions (NX CAD & Simcenter3D).
3. Participate in high-impact research projects, collaborating with multidisciplinary international teams in prestigious EU-funded consortia.

B. Your profile

→Skills/Experience

Required:

- Strong background in modelling natural processes using dynamical systems & numerical integration, with expertise in structural (linear, non-linear, response dynamics & crash) & thermal analyses.
- Experience with CAD tools to prepare simulation models for analysis.
- Proven experience in developing ad-hoc high-fidelity numerical models for multi-physics applications.
- Hands-on experience using commercial simulation software (Siemens Simcenter 3D, NX Nastran, LS-DYNA, or similar).
- Ability to work in multidisciplinary teams with international partners and clients.
- Fluency in English (spoken and written).

Valuable:

- Knowledge of Python for scripting & automation.
- Experience in benchmarking simulation models
- Knowledge of AI & Machine Learning techniques applied in simulation



- Strong presentation, technical proposal & report writing skills
- Teaching & presentation skills for training purposes

Eligibility criteria:

- You have a professional background in Mechanical Engineering/Applied Physics/Computer Science (or a related field) and have either:
 - a Master's degree (or 5-years study) or PhD with min. 3 years of post-graduation professional experience;
 - Candidates must have **fulfilled their military service obligations** (if applicable).

C. Additional Information

Contract duration: 36 months, with the potential for a permanent contract extension (depending on results/efficiency).

This position involves:

- Working with strict deadlines.
- Managing multiple tasks / projects simultaneously.
- Drafting & contributing to project proposals.
- Travelling for meetings, conferences, and exhibitions.

D. What We Offer

- Competitive salary package (based on proven experience & results/efficiency).
- Continuous professional development through hands-on training & exposure to state-of-the-art software tools.
- Collaboration with global leaders in engineering simulation and digital twin technologies.
- Opportunities for travel to international conferences and industry exhibitions.
- A dynamic, innovation-driven work environment in brand-new facilities.
- Life insurance coverage for added security and peace of mind.
- Supermarket vouchers as part of our employee benefits program.

E. About Us

At FEAC Engineering, we are at the forefront of physics-based simulations, Digital Twin technology, AI-driven engineering solutions, and digitalization strategies, revolutionizing industrial innovation through cutting-edge computational methods. Since our founding in 2014, FEAC has evolved into a global leader in Simulation-Driven Product Development and advanced digital solutions, collaborating with some of the most renowned industry giants across sectors such as aerospace, maritime, energy, and defense.

FEAC's dedication to innovation and excellence has been acknowledged at the highest levels. The company has been awarded the Seal of Excellence by the European Commission, recognizing its significant contribution to cutting-edge European research and development. Additionally, FEAC has received the prestigious European Defence Agency (EDA) Innovation Prize, further solidifying its leadership in advanced engineering solutions.



At FEAC, we don't just follow the industry—we redefine it. Join us in shaping the future of digital engineering, expanding our global industrial collaborations, and leading the transformation of high-tech industries worldwide.

Ready to take your career to the next level? Apply now and become part of FEAC's team!