

Senior Naval Architect

Contract type: Permanent – Executive status

Availability: As soon as possible

Location: Aix-en-Provence

Company presentation

NepTech is an innovative French startup, founded in May 2020 in Aix-en-Provence, reinventing the naval mobility of tomorrow.

NepTech designs 10 to 30-meter river and maritime passenger shuttles powered by electric propulsion systems (100% battery – electro-solar – hydrogen fuel cell hybrid + battery – diesel-electric hybrid). These vessels, capable of carrying between 10 and 250 passengers, are designed for coastal and river cruises, regular commuting, as well as river and port crossings.

As a true innovation lab, NepTech is committed to minimizing the environmental impact of maritime and river transport. To achieve this, the company develops cutting-edge technologies aimed at drastically reducing vessels' energy requirements, thereby offering sustainable and efficient mobility solutions.

Supported by a team of around ten collaborators, NepTech offers an alternative to urban and coastal mobility, helping to ease congestion in city centers while significantly reducing environmental footprints. In 2024, the launch of its first units — four low-carbon vessels designed and built in France — marked a key milestone in its development, with projects destined for both private and public operators in France.

NepTech continues to grow in France and is now beginning its international expansion. Incubated at the Cleantech business incubator within the Technopôle de l'Arbois in Aix-en-Provence, the company benefits from an environment conducive to the emergence of innovations supporting ecological transition.

Mission:

- Definition of vessel concepts and general architecture
- Preliminary and detailed design studies for the product range: Professional vessels for passenger and cargo transport, 10 to 30m, river and maritime
- Creation of digital mockups of vessels
- 3D design and 2D drafting of structural assemblies and subassemblies
- Structural studies for composite materials, aluminum, and steel
- Understanding and application of regulations (D223B, ES-TRIN, CrewBoat <30m)
- Weight estimates, hydrostatic studies, and intact/damaged stability assessments
- Participation in hydrodynamic studies
- Writing study reports and technical notes
- Project monitoring and liaison with regulatory authorities, shipyards, and classification societies

Profile:

- Experience / Education:
 - Master's degree (or equivalent) in Engineering / Naval Architecture (ENSTA/Centrale or DPEA Naval Architecture).
 - Minimum of 5 years' experience as a Naval Architect in the design of professional vessels (<30m) for passenger/cargo transport.
- Skills:
 - Strong knowledge in innovative vessel design and maritime/river regulations
 - Fluency in English
 - Proficiency in the following software is required:
 - CAD and naval design (e.g., Rhinoceros 3D)
 - Hydrostatics and stability (e.g., Maat Hydro)
 - Structural analysis (e.g., Bureau Veritas software)
 - Knowledge of shipbuilding / project management
- Personal Qualities:
 - Creative, diligent, and good interpersonal skills
 - Willingness to travel within France
 - Technical curiosity and ability to work both in a team and independently on innovative projects
 - Looking for a position within a 'startup' and 'cleantech' environment, in a fun and human team, with strong ambitions, and in an idyllic working environment

Conditions:

- Location: Aix-en-Provence
- Salary: Based on experience
- Benefits:
 - Idyllic work environment in the Aix forest (ideal for running and mountain biking) within France's leading technology park dedicated to the environment
 - Works council with numerous benefits and discounts (holidays, cinema, etc.)
 - Membership in the Technopole association (afterworks, events, etc.)

Contact:

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Website: <https://neptech.co/>



NepTech

Intelligent sea mobility