

Name of the hosting institution in France	Université de Limoges
Name of the host laboratory / research team	IRCER
Address	Parc d'Esther Technopole 87069 Limoges
Web site	<a href="https://ircer.fr">https://ircer.fr</a>
Name of the supervisor	Vincent Pateloup
Function	Lecturer - Mechanical Engineering Department
Email	vincent.pateloup@unilim.fr

## Internship offer

Topic of the internship (title)	Mechanical design technician			
Proposed dates of the internship*	Start	1/9/2020	End	18/12/2020

\* The supervisors have indicated the dates proposed are flexible and are able to be postponed subject to COVID-19 border closures.

### Scientific and academic objectives of the internship (detailed description of the internship content, work expected from the intern and expected outcomes):

Naval Group, Europe's leading naval defense company, is one of the few industrialists in the world capable of designing, developing and maintaining systems as sophisticated as a submarine, aircraft carrier or combat ship.

On the site of Angoulême-Ruelle (about 900 people), high-tech equipment is produced that integrates surface buildings and submarines of French and foreign navies.

Under the responsibility of a technical framework, included in the team in charge of Aviation and Aircraft ammunitions Handling System, you will be in charge of the electrical development of a new product (draft version) and realization of a prototype / demonstrator, in order to convince a customer to invest in the whole studies of that new equipment.

Your mission for this internship will be to study and design sets and subsets in the field of mechanical equipment:

- Participation in drafts,
- Design 3D models and layout with CAD software (actually TOPSOLID is used in Naval Group company)
- Definition of nomenclatures,
- Mechanical pre-sizing calculations,
- Calculations of quotation chains,
- Participation in the various steps of a project as part of an AGILE team.

Responsibilities for this internship, under the responsibilities and control of your tutor, include :

- Commitments on the techniques and technologies references used for its study, on compliance with specifications, delay and costs,
  - Interfaces with the Aviation Handling System team (designers, technical managers, technologists, industrialization, logistics, production) in order to get all the necessary information for your study,
- Missions are not exhaustive and can evolve over time.

### Profile

- You justify a school level/studies in mechanical field.
- You know how to use a CAD tool (TOPSOLID and/or CATIA ideally).
- You are passionate about technology and innovation.
- You appreciate teamwork and interpersonal relationship.
- You want to take part in projects unique by their specificity and their technicality.

Naval Group is convinced that diversity is a wealth for the company and an asset for its performance. That is why we support equality between women and men and promote the integration, access and retention of people with disabilities in employment.

Name of industrial partner	NAVAL GROUP – Angoulême / Ruelle site
Role of the industrial partner in the internship project	NAVAL GROUP in Ruelle-sur-Touvre (16660) will host the student during his/her internship and he/she will be supervised by Naval Group mechanical developer
Main contact at the French industrial partner	Jean-Marc DREVES Cyril PELISSIER

## Expected profile of applicant

Level of study	Undergraduate
Discipline	Mechanics
Required qualities, knowledge and skills	Good knowledge of mechanical design, development, and mechatronics