The main objective of the ECPM industrial mission is to help companies to innovate in overcoming technical and technological barriers in the fields of environment, chemistry and materials science. The industrial mission is part of the teaching module "Design and innovate collectively".

## The industrial mission is a problem-solving pedagogical exercise run by a student team of 6 to 8 engineering students, including a project manager.

## The team will analyze your technical issue, define a work plan, make a bibliographical study, draft specifications, search and select the most suitable concepts and study their technical and economic feasibility.

## The issues can concern all the departments of your company: production, quality control, research, development, sales, maintenance…

All of this work, which gives priority to a multidisciplinary approach, is done in close collaboration with your teams. Regular meetings are organised at the ECPM, at your office or remotely.

The team is supervised and coached by:

* your enterprise regarding technical aspects
* a university professor/researcher regarding scientific aspects
* a professional regarding managerial aspects

**Examples of issues**

* Definition of a method for measuring the hygrometry of chemical products
* Selection of ultrafiltration systems used in laboratories
* Benchmarking and selection of recycling methods for chemical compounds (plastics, solvents, metallurgical waste…)
* Selection of solutions for chemical and/or biological treatment of industrial process water
* Research into solutions for the recovery of metals from electronic waste
* Development of eco-designed surface cleaner formulations
* Validation of the feasibility of an AI tool on a scientific issue
* Drafting of specifications for an AI solution

**Time period**: 6 months - from mid-September to mid-March

**Duration:** 450 to 500 work hours, including 7 collaborative work sessions of 3.5 hours each

**Evaluation**: written report and oral presentation

**Participation to costs**:a fee of 2.850€ is requested for the industrial mission project (including supervision, travel expenses, use of software, access to bibliographical databases, etc. – Exempted from VAT).

Any other provision of service will be estimated.

**YOUR ISSUE**

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| --- | --- |
| **Title** |  |
| **Context**(Please describe the technical and economic environment of your issue) |  |
| **Description of your technical issue** |  |
| **Your objectives** |  |
| **Major focus** **□** Concept search**□** Feasibility study**□** Research of processes | **□** Process optimization**□** Improvement of an existing solution**□** Technical benchmarking |
|  |
| **Coordinates** |
| Company name |  |
| Address  |  |
| Postcode |  |
| City |  |
| Your name  |  |
| Your position |  |
| Tel. |  |
| Email |  |

Date

Signature

**Please send this form before June, 14th to Céline Guerin (****celineguerin@unistra.fr****).**