



CHANGING EVERY DAY

ENIM, Université de Lorraine

Chief of the strategic projects in ASIE, the National Engineering School of Metz

1. General overview

The ENIM belongs to the Lorraine-INP College of Engineering of Université de Lorraine, and also a member the group of National Engineering schools (ENI), so called ENI Group, involving ENI Brest, ENI Metz (ENIM), ENI St Étienne and ENI Tarbes). The ENIM is a public engineering school, set up since 1962, which shape qualified engineers in the fields of mechanical, material and industrial engineering, with teaching based on a pragmatic and practical approach.

The school lies on a large campus of Metz techno-park. it offers universal and career-orientated courses lasting either three or five years, and which are certified by the “Commission des Titres d’Ingénieur” (accreditation institution).

The ENIM is tailored to the needs of businesses and to the ever-changing world, by keeping strong ties with the industrial companies and an international academic openness.

2. Key figures

- 100 external lecturers
- 11 professional fields
- 2 programs taught in English
- 2 Master’s degree program
- 100 international partnerships
- 150 permanent members of staff
- 100% of our students spend time abroad
- More than 180 international students
- 15 Months of immersion in the industrial sector
- 900 students and engineering apprentices
- 4 research units affiliated to 2 doctoral Schools
- 6000 active engineers

3. University strengths / key projects

- Support of industrial partners
- motivated training team
- Quality of research laboratories
- Good employability of graduates

- Strong incoming international mobility
- Tailored buildings with advanced facilities
- Development and foresight committee

The 1G4.0 (industry 4.0) project, supported by the Grand Est Region, involves 4 engineering schools (ENIM, Arts et Métiers, INSA Strasbourg and Telecom Nancy). It is also supported by the UIMM, PSA Peugeot Citroen, Thyssenkrupp and the Materialia competitiveness cluster. It aims to develop a common continuing education offer, coupled with expertise and support activities for industrial projects to help recruiting trainees, alternates or junior engineers by companies. The project will allow to develop specialization courses of joint engineering training with four partner schools in the field of robotics as part of the industry of the future.

4. International strategy

Each student spends at least one semester abroad to experience total immersion in a new culture within an international for:

- a semester in a partner university
- an internship in a foreign company
- a personal project confirmed by the school

This experience abroad is an opportunity to develop speaking skills or in leaving in an intercultural and professional capability, requiring the use of specific lexis.

The ENIM School of Engineering Campus in China, so called **ENI-NUST**, is a strategic development of the ENIM in Nanjing, in partnership with the Nanjing University of Science and Technology (NUST). The ENI-NUST has been certified as a “Sino-French University Partnership” by the Chinese Ministry of Education (MoE). The ENI-NUST is a 6-Year Engineer training program based on a strong relationship with the industry companies and on the ENIM curriculum model in mechanical engineering. The ENI-NUST belongs to an exclusive group of the certified Sino-French Institute, namely a broad, pragmatic and professional-orientated course, emphasizing practical learning and professional experience, with close ties to its industrial partners in the world.

5. Research

ENIM researchers are involved in four research laboratories recognized in areas ranging from mechanics of materials and the production systems design, to the industrial engineering and optimization of complex systems.

Research fields include mechanical engineering, industrial manufacturing, CAD design. Science of materials, mechanical manufacturing and machining, industrial production and maintenance, and industrial logistics are some scientific research topics investigated in the following four research units:

- LEM3 - Laboratory A Micro-Structures Studies and Mechanics of Materials
- LCOMS - Laboratory of Conception, Optimization and Modeling of Systems
- LGIPM - Laboratory of Production Engineering and Maintenance
- LCFC - Laboratory of Conception, Manufacturing and Control