Institut Mines-Télécom

FRENCH LEADING INSTITUTE OF TECHNOLOGY

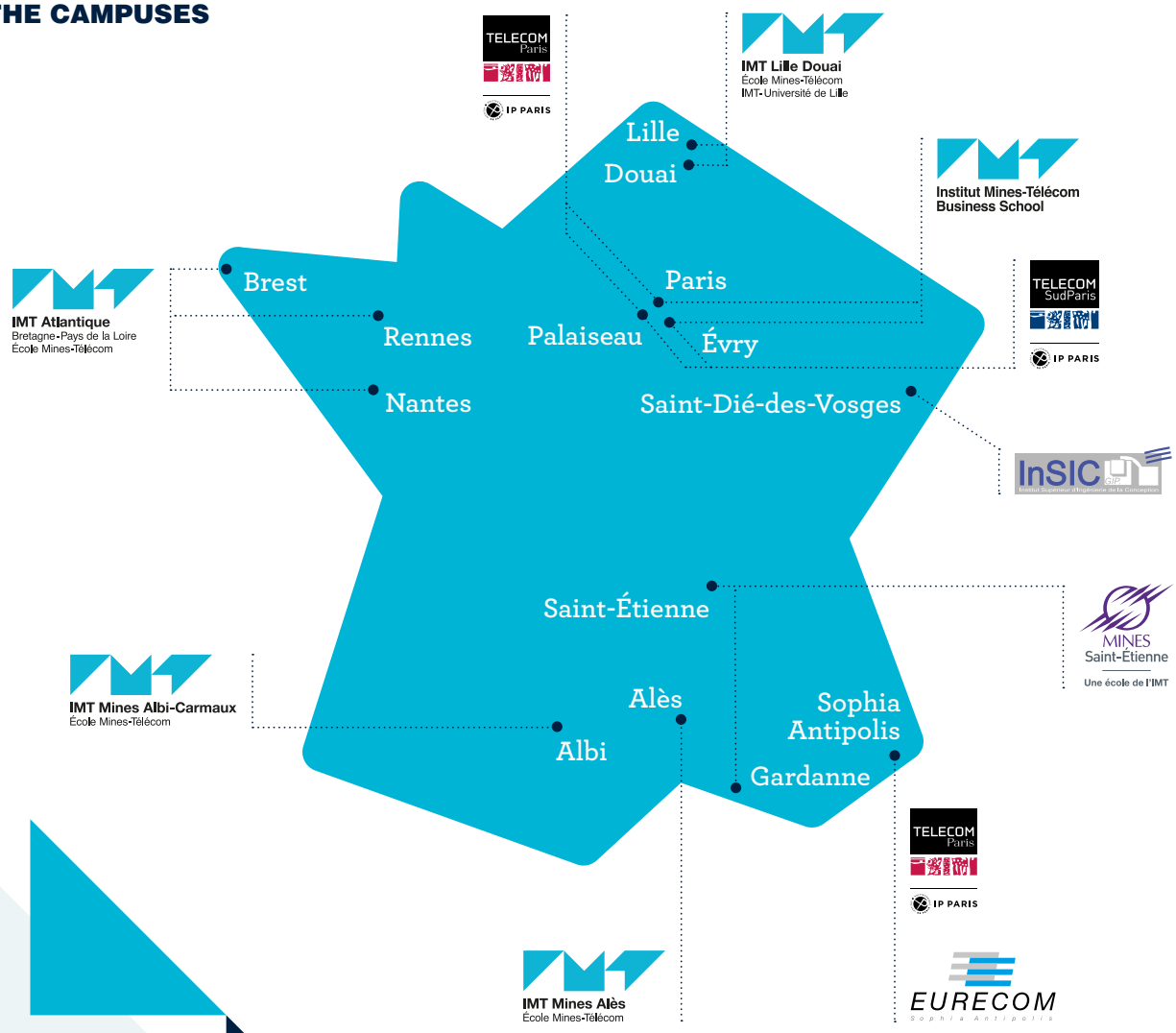
Institut Mines-Télécom

Institut Mines-Télécom (IMT) brings together 8 member schools and 2 subsidiary schools of engineering and management. Together, our graduate schools support innovation, industrial and business development under the authority of the French Ministry for the Economy.

A TRAILBLAZER IN 1783… STILL LEADING THE FIELD TODAY

Our graduate schools are what are known in France as *Grandes Écoles:* an elite higher-education track created in the 18th century to drive economic development through industry and commerce. In the later 19th and 20th centuries, new schools were created to teach business and modern science and technology.

THE CAMPUSES



INSTITUT MINES-TÉLÉCOM IN NUMBERS

50
programs taught in English and over 80 taught in French (MSc in Engineering)

500
international academic partnerships in over 70 countries

2,000
doctors and full professors

45
teaching and research chairs

More than
8,500
corporate partnerships

12,600
students including 8,740 in engineering, 1,180 in management and 1,120 PhDs

3,800
international students

IDEAS MADE FOR TOMORROW

Institut Mines-Télécom is not just a globally recognized academic institution, but also **a major European research institution.**

IMT is at the core of **two Carnot Institutes** (modeled after German Fraunhofers) and includes **55 research centers** of excellence in a range of fields in engineering (smart manufacturing, production systems, additive manufacturing), IT (AI, Data analytics, cybersecurity…) smart networks, material sciences, e-health, energy and resources, economics, social sciences and management.

IMT has a strong foot on the European stage, with **over 120 European projects and 9 European Research Council (ERC) grants** so far, and as a member of all the **public-private partnerships (PPPs)** in the relevant research fields (AI & big data, smart networks, materials, manufacturing, etc.).

We rank
first among French higher education and research institutions in terms of per-capita funding received from the European Commission within the framework of the H2020 program.

We play
an active role in French national research alliances and research networks, and are a founding member of the *Alliance Industrie du Futur*, the French global initiative to unleash the **industry of the future** in all industrial value-chains. IMT as a founding member of Gaia-X and the French Hub of the International Data Space Association (IDSA) is strongly involved in developing secure and sovereign European cloud capabilities. Every year, our faculties file more than **60 patents** and advance science with **over 2500 publications.**

WHY STUDENTS CHOOSE INSTITUT MINES-TÉLÉCOM

Through our longstanding tradition of academic excellence and high admission standards, we offer students a learning experience that is unique in France:

- **Multicultural campuses** with 30+% international students
- **Compact, individual schools** with full student and international services on each campus
- **State-of-the-art infrastructure** including individual accommodation, workstation hubs, professional software licenses, libraries and fully equipped research centers
- **Scholarship opportunities** from IMT itself, businesses and the Eiffel scholarship program
- **Strong links with the corporate world** (including Fortune Global 500 companies) through paid internships, training collaborations, research contracts and technology transfer
- **Some of the highest rates of post-graduation employment and remuneration in France,** with 90% placement within two months of graduation
- **Extensive, dynamic and influential alumni network** providing paid internships, job offers, careers reorientation, access to information and corporate partnerships for our schools

STRATEGIC OBJECTIVES

Our global strategic plan for 2018–22 aims to make **Institut Mines-Télécom a national institute of science and technology,** with an extended geographical footprint plus heightened international visibility. We will use our diverse knowledge to create courses, research and valuable innovations for businesses and society.
This will allow us to play an active role in every area of the rapidly evolving 21st century economy: digital, the environment, industry, education and energy. Based on analysis and local engagement by our schools and directorate, we've defined four **strategic objectives:**

1. **RESPOND** to new and evolving training demands
2. **SHOW** scientific leadership to benefit the economy and society
3. **SPEARHEAD INNOVATION** and support economic development
4. **TAKE OUR PLACE** among leading technology institutes and internationally regarded universities

KEY IMT INITIATIVES ON THE GLOBAL STAGE

INSTITUT MINES-TÉLÉCOM DAKAR

With its well-developed network and telecommunications infrastructure, Senegal hosts in Dakar the first **Edulab IMT**, an open space for training and pedagogical experimentation that combines courses, innovation workshops, showcases and conferences for IMT students, regional digital technology stakeholders and companies.

In partnership with Sup de Co Dakar Group, Institut Mines-Télécom is offering **bachelor-level courses** to train the qualified middle managers that Africa needs to support the **digital transformation of companies and organizations.** Based on a hybridization of engineering sciences and management, IMT's Bachelor has strong roots in the regional economy and focuses on digital technology, frugal innovation and agile processes.

GERMAN-FRENCH ACADEMY FOR THE INDUSTRY OF THE FUTURE

Founded by Institut Mines-Télécom and the German Technical University of Munich (TUM), the German-French Academy for the Industry of the Future advances the digital transformation and competitivity of industry. It focuses on **joint research, education and innovation on industry 4.0** scope (AI, cybersecurity, advanced manufacturing, etc.). The Academy fosters close collaboration with industrial partners by addressing their key emerging research topics and providing new and innovative forms of cooperation in higher education to answer new industry skill and know-how demand.

DATA SCIENCE FOR EUROPE

Run by Institut Mines-Télécom, **TeraLab** is a research and innovation "trusted third-party" platform that provides a sovereign, secure and neutral environment and state-of-the-art tools for collaboration between businesses and researchers. Designed to accelerate AI, Big Data and IoT projects, TeraLab provides technical and legal advice along with infrastructure resources and support from specialists to experiment and prototype products and services. Since 2014, TeraLab provided services to 70+ research and innovation projects and supported 300+ entities in sectors like Digitalization of Industry, Health, E-Governement, Energy, Smart cities, Logistics, Mobility, and so on.

Directly linked to TeraLab, the Franco-German **GAIA-X** initiative lays the foundations for a European cloud for data sovereignty and interoperability. GAIA-X is a secure, federated system widely based on open-source to foster collaboration. As an academic founding partner of GAIA-X involved in the economic sphere, Institut Mines-Télécom is co-constructing new ethical and technical standards for data sharing between actors.

INNOVATING FOR IMPACT

Institut Mines-Télécom and its schools share a strategic mission to support economic development nationally and internationally through innovation for businesses.

We follow three paths to innovation:

PARTNERSHIP RESEARCH PROJECTS,
either financed by businesses or run in partnership with them

TECHNOLOGY TRANSFER,
including in technology platforms operated by IMT schools

STUDENT INTERNSHIPS,
missions, and projects in collaboration with businesses

We also promote entrepreneurship through an extended network of technology incubators. Just under 80 start-up 'graduate' from our schools' incubators each year, with **80% reaching the five-year mark**. The most successful include LinkedIn, with 200m+ members, and Netvibes, which was bought by Dassault Systems. Many IMT alumni – such as the inventor of Apple's SIRI – work in international R&D, and over 20 are CEOs of CAC-40 companies.

OUR PROGRAMS (TAUGHT IN FRENCH AND ENGLISH)

■ MASTER OF SCIENCE IN ENGINEERING *DIPLÔME D'INGÉNIEUR*
Provides a Major in Engineering with a Minor in the indicated field of study.

◆ MASTER OF SCIENCE
Focuses on the indicated field of study as a Major.

● POST MASTER
Enables Master's holder to gain specialized skills in the indicated field of study.

	Applied Mathematics	Civil Engineering	Electronics	Energy	Environment	Health	Industrial Engineering	Information and Communication Technology	Materials	Engineering Mechanics	Nuclear	Social Sciences and Economics
IMT Atlantique	■		■◆	■◆	■◆	■	■◆		■◆●		■◆	■◆
IMT Lille Douai		■		■	■		■●	■	■	■		
IMT Mines Albi				■◆	■	■◆	■●	■	■◆			
IMT Mines Alès		■		■	■◆		■	■	■			
Institut Mines-Télécom Business School							◆					◆
Mines Saint-Étienne	■		■	■	■	■	■	■	■	■		
Télécom Paris	■		■					■				■
Télécom SudParis	■		■◆					■◆				
Eurecom								■●				
Mines Nancy Insic member school	■	■		■	■		■	■	■			

IMT, january 2021 - Designed by CIMAYA

Institut Mines-Télécom's ambitious program for the digital transformation of higher education includes the development of an international portfolio of MOOCs (Massive Open Online Courses). So far, our 50 MOOCs hosted by FUN, Coursera and edX have reached more than 1 million learners in 170 countries. We support the program with our own combined resources plus an annual €1 million grant from the Patrick and Lina Drahi Foundation (2014–2023).

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RÉPUBLIQUE FRANÇAISE
Liberté Égalité Fraternité

DIPLÔME NATIONAL DE DOCTORAT CONTRÔLÉ PAR L'ÉTAT

DIPLÔME NATIONAL DE MASTER CONTRÔLÉ PAR L'ÉTAT

DIPLÔME D'INGÉNIEUR CONTRÔLÉ PAR L'ÉTAT

La recherche CARNOT pour l'innovation des entreprises

Due to its federal structure, IMT does not feature in international rankings. However, all our member schools are graded A/A+ in French national rankings.

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CONFÉRENCE DES GRANDES ÉCOLES