

## 13 PUBLIC RESEARCH LABORATORIES

- AMPÈRE** Electric energy, Bioengineering, Systems engineering
- CP2M** Catalysis, Polymerization, Processes and Materials
- CETHIL** Energy and Thermal Research
- IMP** Polymer Materials Engineering
- LAGEPP** Automatic Control, Chemical and Pharmaceutical Engineering
- LaMCoS** Mechanics, Contacts and Structures
- LabECAM** Efficiency energy and Materials
- LGEF** Electrical Engineering and Ferroelectricity
- LMFA** Fluids mechanics, Acoustics interfaces
- LMI** Multi materials and Interfaces
- LTDS** Tribology and Systems Dynamics
- LVA** Vibrations and Acoustics
- MATEIS** Materials, Engineering and Science



### 1 INDUSTRIAL TECHNICAL CENTER

IPC plastic & composite innovation



### 1 LASER FEMTOSECOND CENTER

MANUTECH USD surface engineering and functionalization



## R&D PARTNERSHIP | FOR INNOVATION

# Ingénierie@Lyon

- 1600 experts in research
- 700 PHDs
- 1200 scientific publications
- 300 partnered companies
- 1020 registered patents
- 27,2M€ industrial incomes



#### + A TRANSFERT NETWORK

EC2-Modélisation, OptiFluid, Mécanium, Influtherm, AVNIR Engineering, SONORHC, Mécalam, Technivib, Metal'In, CISTEN, Rhéonova

#### + AN ACADEMIC NETWORK

LBMC, LIRIS, INL, ILM, ISA, ICJ LHC, CITILabTélécommunication



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## INNOVATIVE MATERIALS & PROCESSES

## SMART MACHINES

| FROM DESIGN TO USE |

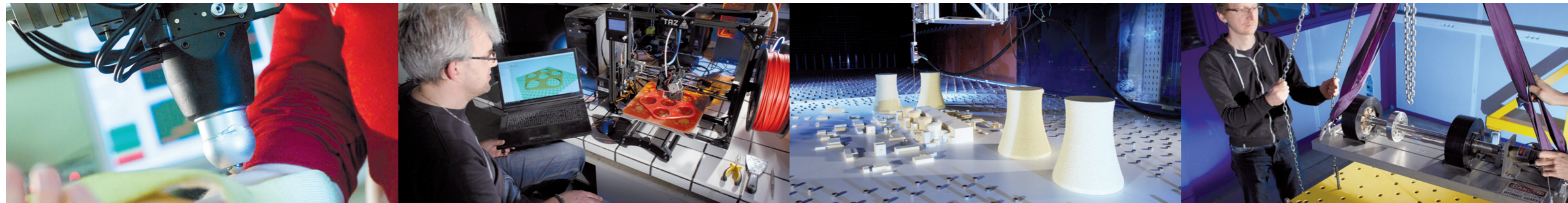


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## TO INNOVATE

Ingénierie@Lyon is acknowledged for its high-end technology research with high level equipments and recognized industrial expertise in ENGINEERING.

A customised support for companies on their R&D and transformation projects for innovative and eco-responsible solutions : with Ingénierie@Lyon experts, keep your technological lead to respond to industrial and societal changes.



As an expert, the institute is committed to support the excellence in partenarial research from materials and innovative processes to intelligent machines, for the sectors :

### ▪ SMART TRANSPORTS

Motorization systems, propulsion, flux, lighter materials, security, smart systems, environmental impact

### ▪ GREEN ENERGIES

Optimization, energy management, energy conversion, storage, environmental impact,

### ▪ HEALTH DEVICES

MedTech, computer-based procedure, biomaterials, diagnostic tools, sports and wellness devices, medical devices

### ▪ MATERIAL & PROCESSES

Metals, composite materials, polymers, ceramics, bio-based materials, smart, architected, multifunctional, recyclable materials

### OPEN ACCESS TO TECHNOLOGICAL PLATFORMS

Rotating machines  
Tribology surfaces and interacting surfaces  
Materials & processes  
Acoustics and vibration  
Bioengineering  
Digital tools and intelligence  
Environment energy

**PROFESSIONALISM IN RELATIONSHIP WITH PARTNERS : from initial contact with listening and needs analysis to adapted solution for innovation.**