

THE FRENCH TECHNOLOGICAL RESEARCH INSTITUTE FOR ADVANCED MANUFACTURING TECHNOLOGIES



BRING INNOVATION TO THE FACTORY FLOOR |
ACCELERATE TECHNOLOGY DEVELOPMENT | BOOST INDUSTRIALIZATION



5 R&T THEMATICS DRIVEN BY INDUSTRIAL NEEDS



FORMING &
PREFORMING
PROCESS



ASSEMBLY
& JOINING
TECHNOLOGIES



ADDITIVE
MANUFACTURING



MOBILITY IN
INDUSTRIAL
ENVIRONMENT



MANUFACTURING
FLEXIBILITY

OUR EXPERTISE TEAMS, EQUIPMENTS & INDUSTRIAL FACILITIES



ROBOTICS
& COBOTICS



COMPOSITES



METAL & ADDITIVE
MANUFACTURING



MODELISATION
& MONITORING

A CROSS-FERTILIZED TECHNOLOGICAL RESEARCH ACTIVITY WHICH BRINGS TOGETHER INDUSTRIAL AND ACADEMIC PARTNERS

60 INDUSTRIALS OF 5 MAIN STRATEGIC SECTORS:



Aeronautics



Shipbuilding



Automotive



Energy



Advanced
manufacturing
equipment

Some of our core industrial partners:

AIRBUS

DAHER

faurecia

fives

GE

NAVAL
GROUP



RENAULT



PSA
GROUPE



SAFRAN
AEROSPACE DEFENCE SECURITY



STELIA



CHANTIERS
DE L'ATLANTIQUE

15 ACADEMIC PARTNERS INCLUDING:



CNRS



CETIM



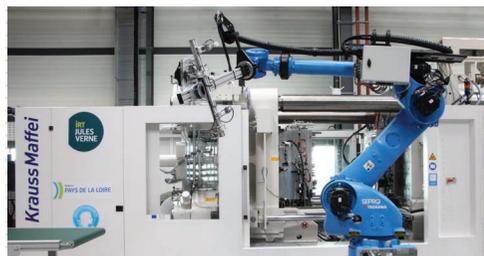
UNIVERSITÉ DE NANTES



CENTRALE
NANTES



Le Mans
Université



MAIN KEY FIGURES



25 M€
Annual Budget



72
Researchers



13
PhD



75 Members
& Partners



16 M€ Investment in
Mutualized Equipment



31
Patents



75
R&T Projects



129 M€
Operating Budget



3 European
Projects



Since March 2012, IRT Jules Verne is a mutualized R&D institute dedicated to advanced manufacturing technologies. It is one of eight institutes for technological research that have been established by the French Government to enhance the country's attractiveness and competitiveness.

This unique IRT dedicated to manufacturing, based in Nantes, is central to the Loire Valley Region's economic strategies. Driven by industry needs on mid and long-term market trends, IRT Jules Verne embraces the industrial, scientific and technological challenges that concern five strategic industries (aeronautics, shipbuilding, automotive, energy and advanced manufacturing equipment).

It aims at boosting industrialization and bringing innovation to the factory floor by providing solutions to the technological challenges facing industrial segments, e.g. the design and implementation of advanced breakthrough technologies for manufacturing and production engineering. Its research programme focuses on three major areas of development:

- integrated product / process design,
- innovative processes,
- adaptive and smart manufacturing systems.

In order to foster a cross-fertilization of ideas, IRT Jules Verne develops a shared forward-looking vision, implements shared strategic roadmaps, pool resources, and brings cross-disciplinary partners together (academics and small and medium-sized companies). More than 75 ongoing projects are led by IRT Jules Verne with its partners.

IRT Jules Verne benefits from being in the only growing industrial region in France having set manufacturing technologies as a top smart specialization. The Region especially ensures great complementarity support through the efficient use of the structural funds. Furthermore, the EMC2 competitiveness cluster enables fast and direct connections to regional and national SMEs in the field of manufacturing engineering as well as European deep networking capabilities.



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