

leti
cea tech

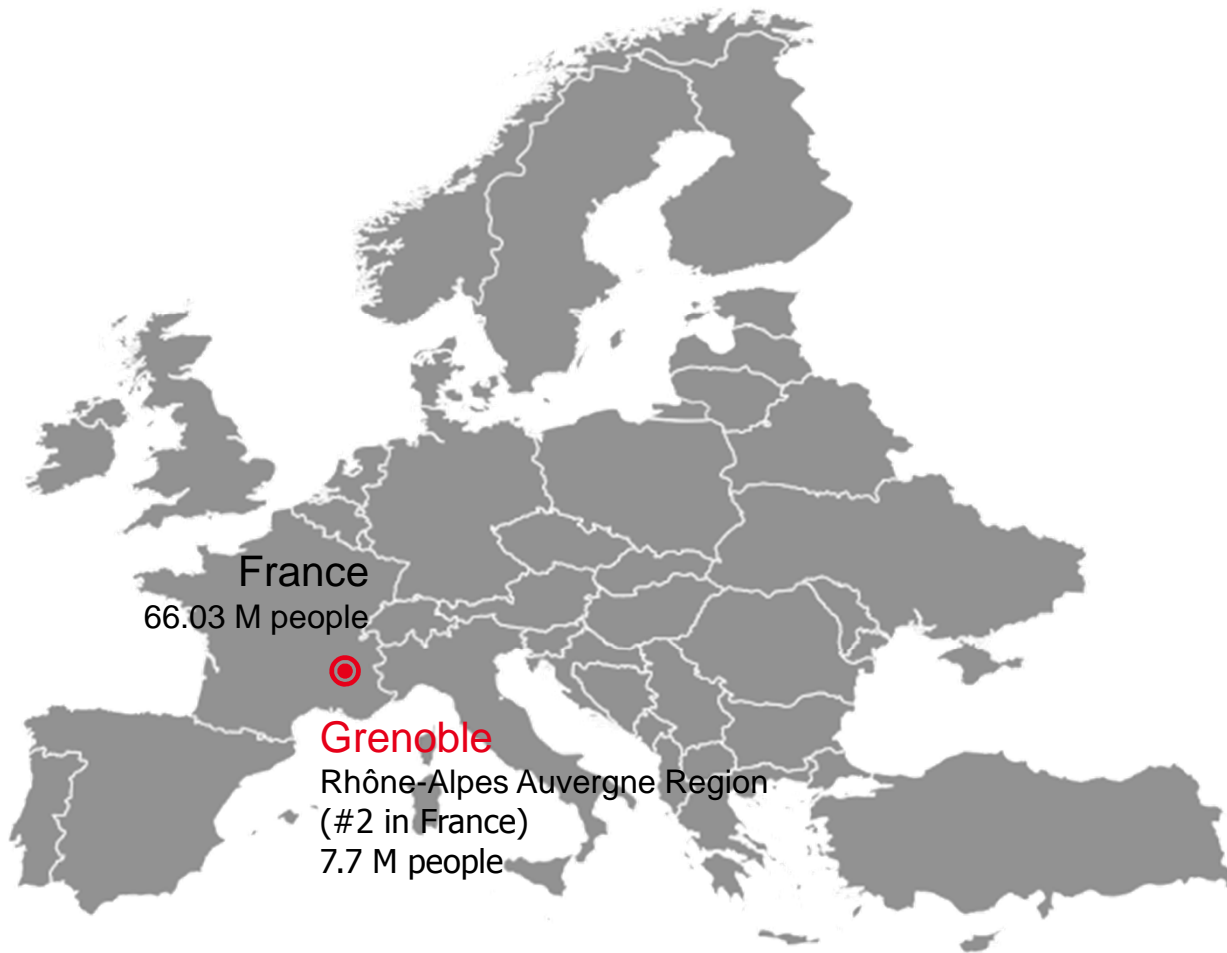


WELCOME: 50 YEARS OF PIONEERING INNOVATION IN MEMS TECHNOLOGIES

Leti MEMS Workshop | June 20 |, 2017 Jean-René LEQUEPEYS, Head of Silicon Component Division Division,

WELCOME TO GRENOBLE AND TO OUR WORKSHOP





Grenoble:

- 450,000 inhabitants
- At the heart of French Alps
- French highest ratio of engineers vs citizens
- Elected among top 3 cities for students
(>60,000 students / 46,000 at Grenoble University)
- High tech industry & research infrastructure (25,000 research jobs)

**5th in Forbes Magazine's
"Most Inventive Cities in the World"
(2013)**

LETI : We are a Research Lab of CEA
(French Energy Agency)



Focusing on :

- Nanoelectronics, Memory, Microsystems
- Biology & Health, Telecom, IC Design
- Optronics (display & lighting, photonics)

And integration of these technologies into new applications



1967 creation



~**1,900** people



64 startups
(20% acquired, 20% only disappeared)



315 total budget (M€)
(Only 15% coming from French Government)



~**3,000** Patents in our Portfolio (40% under license)



350 Industrial Partners



8,500 m² clean-room 200-300 mm



CEA, the Most Innovative Public Research Organization in Europe,
According to Reuters



TOP INSTITUTIONS | 2017 RANKINGS

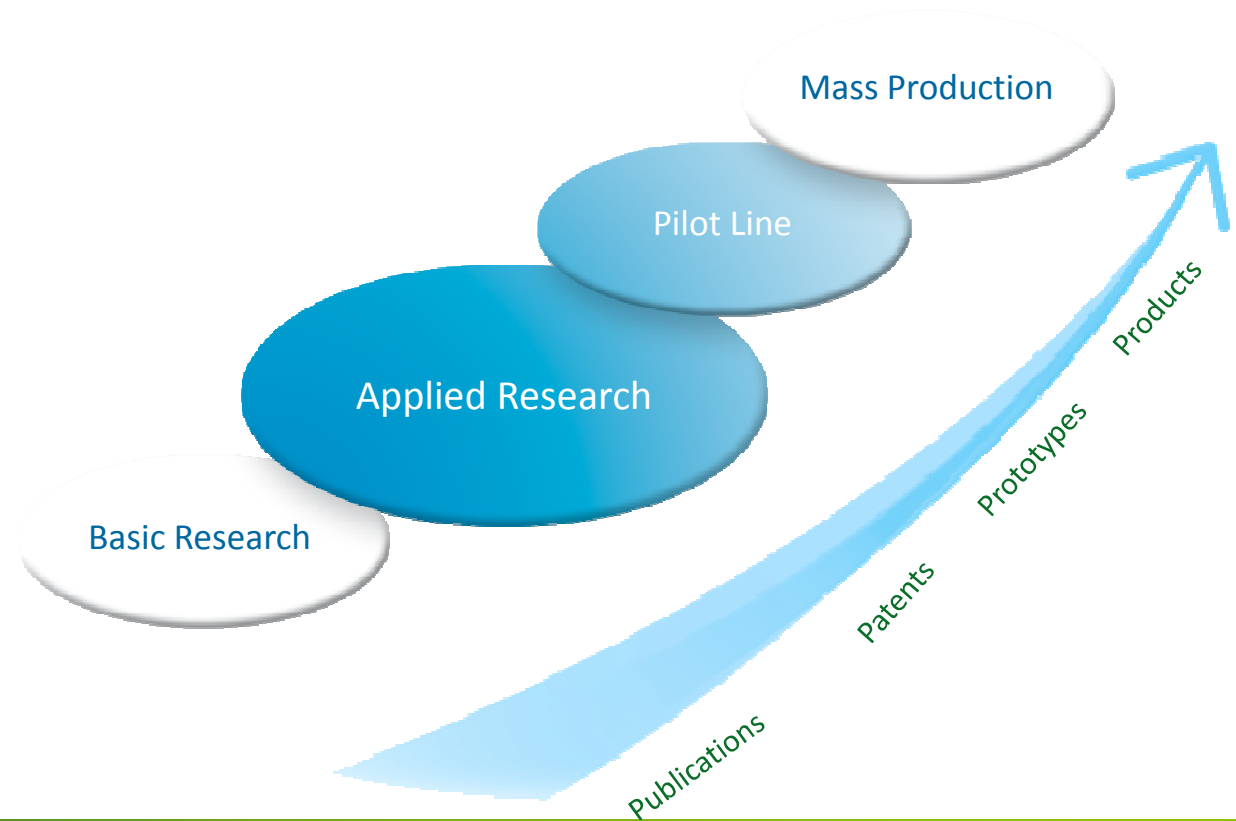
1	Health & Human Services Laboratories	USA
2	Alternative Energies and Atomic Energy Commission	France
3	Fraunhofer Society	Germany
4	Japan Science & Technology Agency	Japan
5	National Institute of Advanced Industrial Science & Technology	Japan

A single mission:

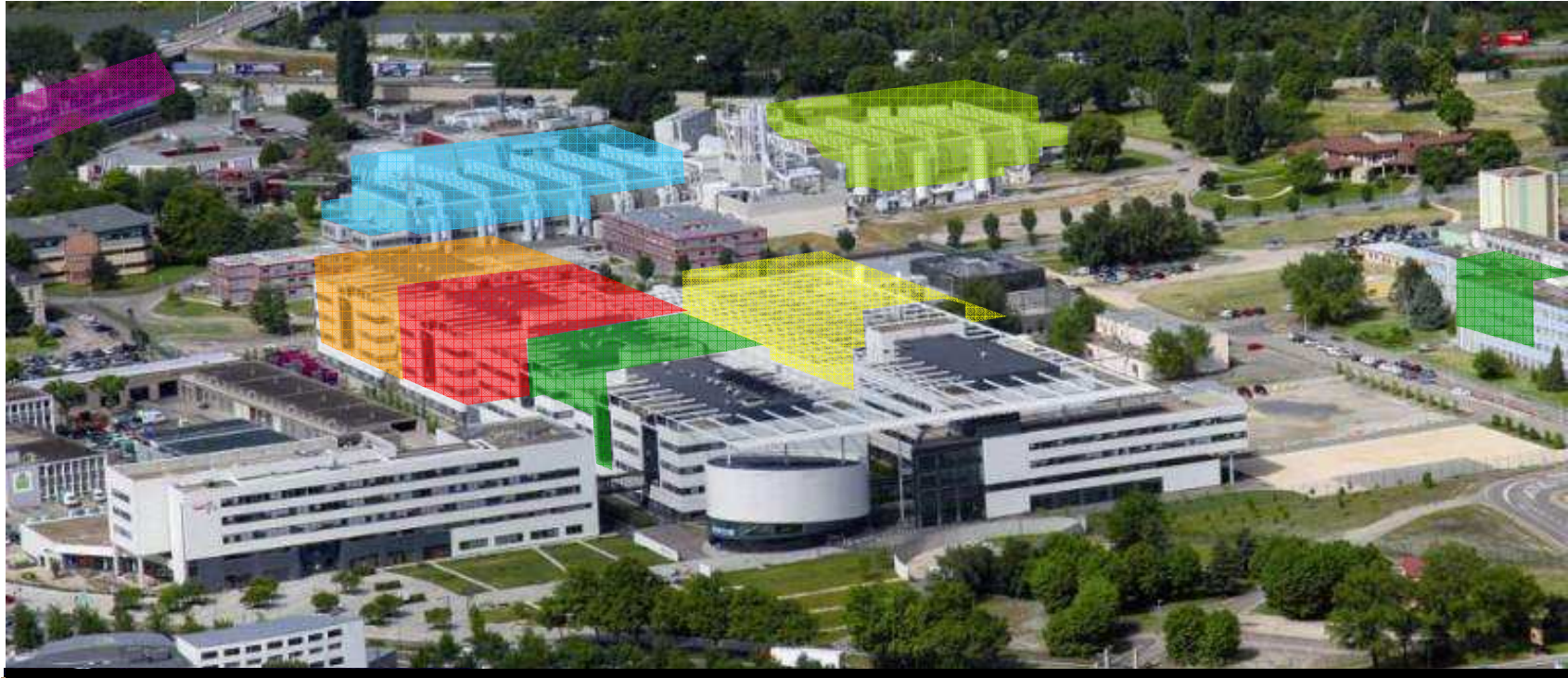
➔ **Create innovation & transfer it to industry**

A clear focus:

- μ -nanotechnologies,
- with critical mass in Si
(half of our staffing, 60% of our budget)
- Advanced devices for new applications



CEA-LETI : A COMPLETE SET OF RESEARCH PLATFORMS



- Nanotec 300
- Advanced CMOS 200
- MEMS 200
- Nanoscale Characterization
- Smart Systems Integration
- Integrated Circuit Design
- Integrative Chemistry & Biology
- Photonics

LETI IS AT THE HEART OF DIGITALIZATION

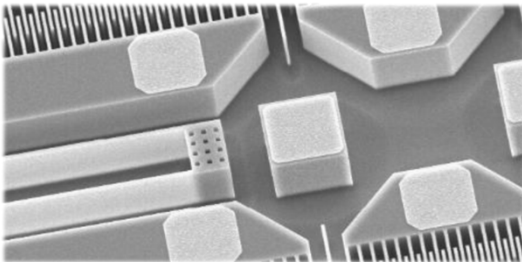


Digital and Analog Worlds Meet



WHY CHOOSE LETI AS A PARTNER ?





- 30+ years experience on MEMS
- 200+ people: **World's Largest MEMS R&D Institute**
- All 8" and 12" MEMS technologies in-house

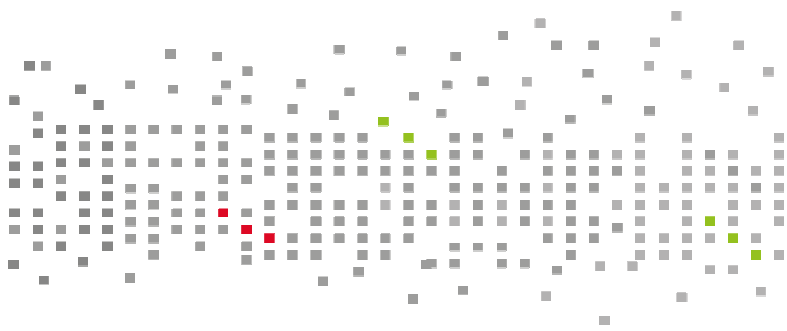
- 330-patents portfolio in the MEMS field
- 30 new patents and 65 publications/year

- 25 ongoing industrial collaborations
- 20+ industrial transfers
- 7 startups created

**PLEASE COME TO GRENOBLE
GOOD OPPORTUNITY TO VISIT OUR SHOWROOM
TO VISIT OUR CLEANROOMS
AND TO DISCUSS WITH OUR EXPERTS**

ENJOY THE WORKSHOP AND LET'S HAVE A DRINK AFTER ALL TOGETHER





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PLANCHE DE PICTOS

DISPOSITIFS MÉDICAUX	INTERNET DES OBJETS	CAPTEURS	IMAGING SENSOR	SERVEURS ET CALCUL INTENSIF	NANO ÉLECTRONIQUE	COMPOSANTS PHOTONIQUE	ÉNERGIE ÉLECTRONIQUE DE PUISSANCE	SÉCURITÉ	RF
									
									
									
									
									
									
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