



Test Laboratories
Advice & Engineering
Training

Design of Test benches
Maintenance
Calibration

ITALIAN MEETING ON CONNECTED VEHICLE AND ITS



Electrical Safety
Radiofrequencies
EMC
Climatic & mechanical
Reliability
Hydraulic
Acoustics

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EMITECH Group
01/12/2015

EMITECH EUROCEM ADETESTS



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presentation



A UNIQUE PARTNER

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EMITECH EUROCEM ADETESTS

A UNIQUE PARTNER / CEO WORDS



26 years (1989 – 2015)

Words of our CEO

« Proximity, Global offer »

« if you think about TESTS, think about EMITECH »

« consider EMITECH as your deported laboratory »

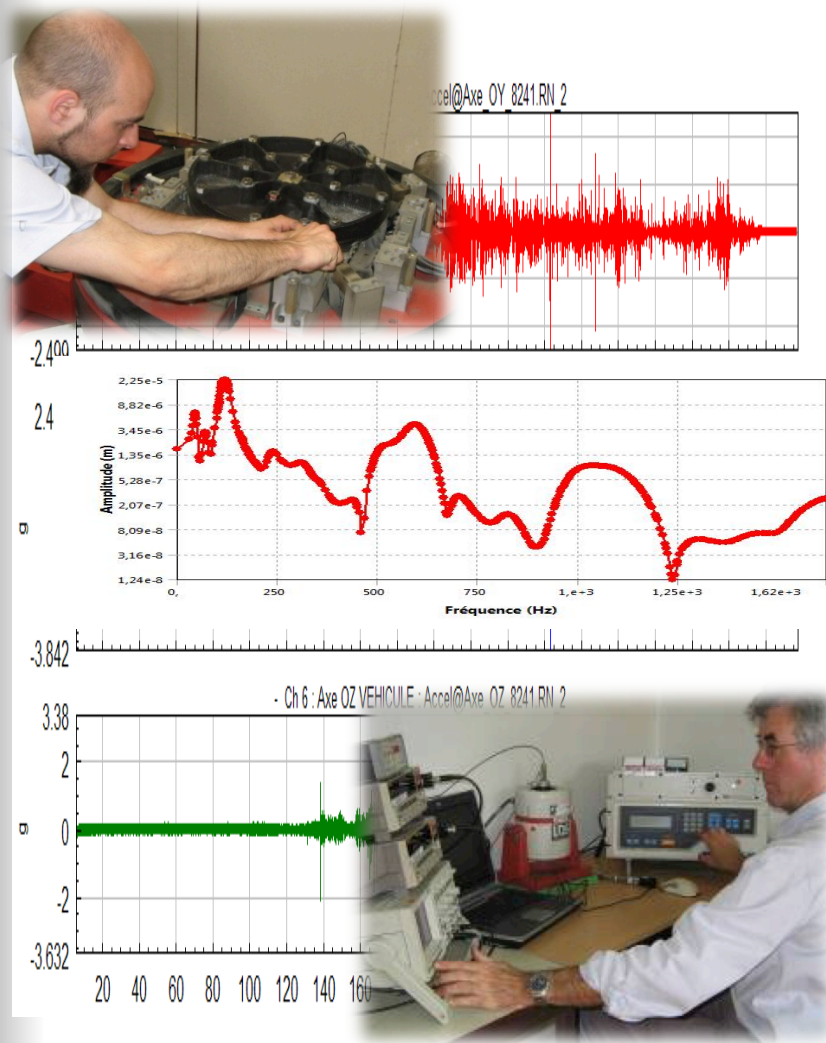
« We are willing to be the leader in France and Europe »

Our investment policy is one of the main growth lever. It represents each year from 10 to 15% of our turnover. We stay in tune with our customers' needs and standards evolutions : so are realized our arbitrations.

Since 2009, four laboratories, Adetests, Eurocem, Environne'Tech and Dirac, have joined the Group. New areas of expertise's, like Hydraulic, increase our know-how. New activities as test benches design, maintenance and calibration, complete our global offer.



A UNIQUE PARTNER/ THE HISTORY



The creation of EMITECH follows on from a scattering of MATRA Group.

Founded in 1989, the first laboratory dedicated to **environmental characterization** offers its skills in the **electromagnetic compatibility** field.

Development and external growth enrich **a global offer** becoming one of the widest of the market.

The local geographical coverage allows to combine **customer proximity** and **diversification of skills**.



A UNIQUE PARTNER / IDENTITY CARD



➤ Independent Group

The Capital is divided between Emitech Finance (71%), Mister Matthieu COGNET Chairman and CEO (24%) and employees (5%).

➤ Staff

300 Employees with 80% of engineers and technicians.

➤ Localization

16 centers in France dedicated to laboratories with a surface area of **21.000 square meters** and more than **7 500 test facilities**.

➤ Turnover

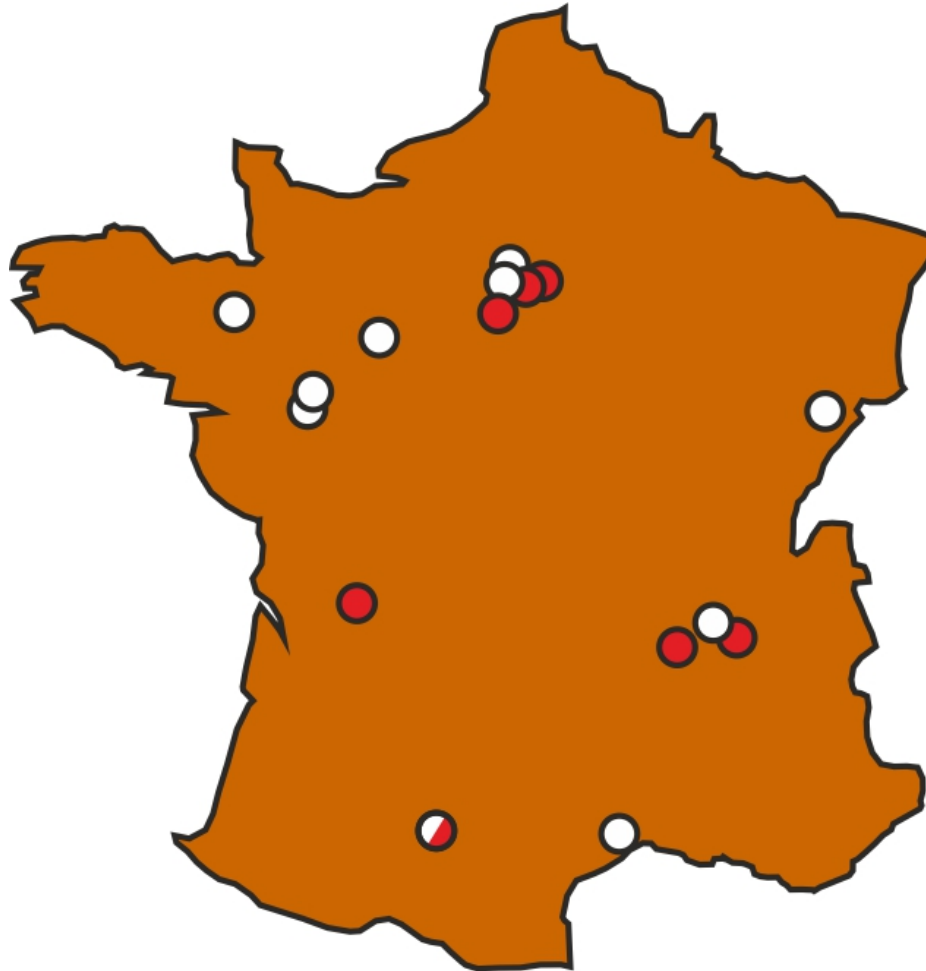
27,4 M€ in 2014 (**10% export**)

➤ Headquarter

Montigny le Bretonneux (Region of Paris)



ORGANIZATION / GEOGRAPHICAL COVERAGE



- EMC/Electrical branch
- Climatic & Mechanical branch

REGION OF PARIS

Montigny Le Bretonneux,
Orgeval, Versailles,
Courtaboeuf, Dourdan.

EAST AREA

Sochaux,

LYON AREA

Lyon, Saint-Etienne,
Bourgoin-Jallieu,

SOUTH AREA

Montpellier,

WESTERN

Le Mans, Rennes, Angers,

SOUTH WEST AREA

Angoulême, Toulouse.





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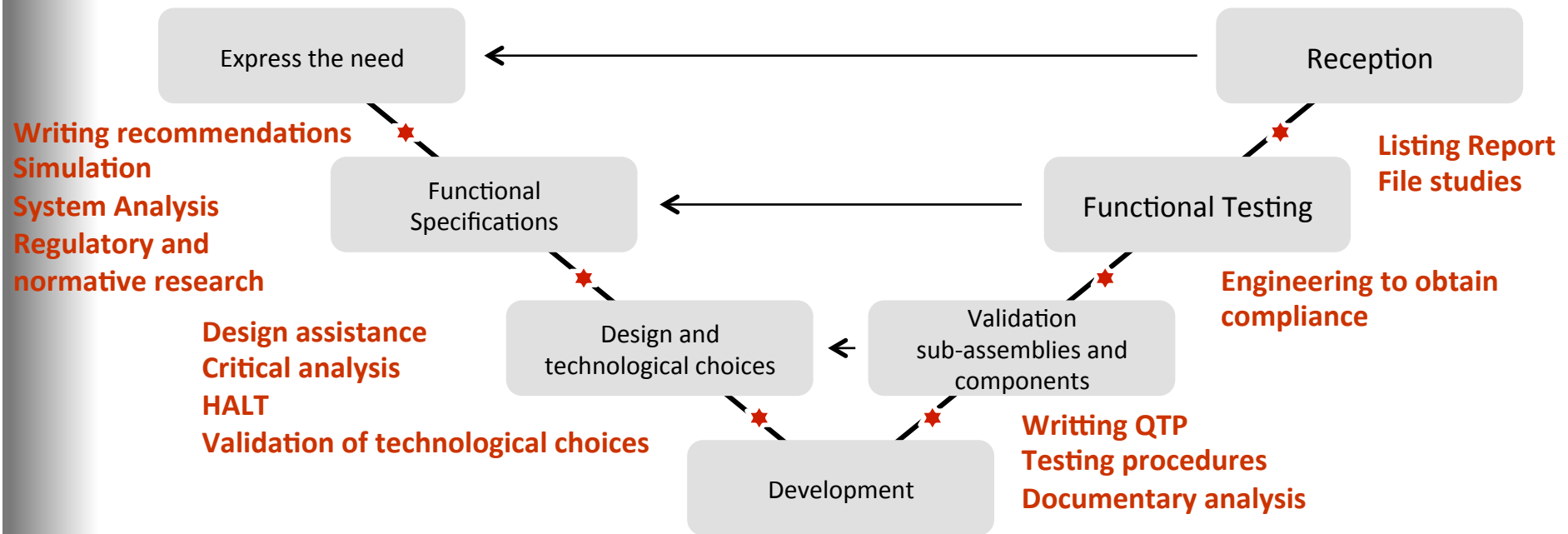
A GLOBAL OFFER



ANTICIPATE, OPTIMIZE, QUALIFY



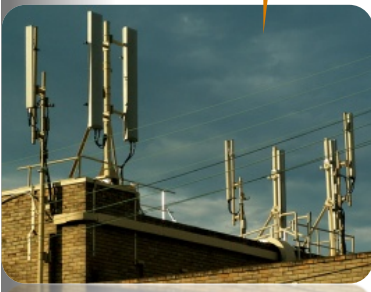
A GLOBAL OFFER / ENGINEERING



A GLOBAL OFFER / TESTS & MEASURES

TESTS

- which insure that a product is in compliance with a legislative standard, **REGULATORY APPROACH** :
 - . Markings (CE, KC, GOST etc.).
 - . Support for International certification access,
 - . Machine directives, Medical directives.
- Measures which allow to quantify the electromagnetic waves exposure levels of public and employees, **HEALTHY APPROACH** :
 - . In situ measures according to ANFR protocol
 - GSM/Radar/TV Antennas.
 - . EMF (CE Marking/Low Voltage Directive).
 - . Specific Absorption Rate Measures (Radio transmitters).



A GLOBAL OFFER / TESTS & MEASURES

TESTS

- which insure that a product is in compliance with technical specifications, **VOLUNTARY APPROACH** :
 - . Investigation
 - . Qualification according standards, Qualification Test Plan, Technical Note...

Beyond, tests can be worsen to appreciate the margin of the equipment functioning : this approach falls within a quest of **OPERATIONAL RELIABILITY**.



A GLOBAL OFFER / TESTS & MEASURES INSTRUMENTATION

45 shielding rooms
3 open area test sites
5 steering mode chambers
Specific lightning & electrical test equipments

15 hydraulic vibrators (200 kN)
38 electrodynamic vibrators (105 kN)
2 piezoelectric vibrators (50 kN)
12 hydraulic cylinders

75 climatic chambers

2 earthquake test benches

Fluid mechanics – hydraulic : cycled
pressure benches ...

Thermal shock chambers, shock machines,
centrifuges...

HALT & HASS tests means

Acoustics test equipments (semi anechoic
chambers, 3 reverberated rooms etc.).



A GLOBAL OFFER / MAINTENANCE OF THE MEANS



MAINTENANCE OF THE MEANS

METROLOGY, verification and calibration of your measurement instruments.

MAINTENANCE preventive and curative.

FLEET MANAGEMENT and **RISK MANAGEMENT**, Failure Modes, Effects and Criticality Analysis (FMECA), maintenance policy's definition, test means' monitoring.



A GLOBAL OFFER / TRAINING



TRAINING

ACCREDITED BODY since **1994**:

- . Training on our sites or our customers' sites
- . Training combined with test campaign
- . Practical Demonstrations
- . Case studies

An **EDUCATIONAL TEAM** composed with engineers and experts from our **ENGINEERING, TESTS** and **MEASURES** Departments.





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QUALITY APPROACH

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QUALITY APPROACH / FRAMEWORK

All EMITECH laboratories are accredited NF EN ISO/CEI 17025

- . Technical validity
- . Referenced tests (traceability, metrology)
- . Guarantee of a third party laboratory (impartiality, integrity)
- . Confidentiality of our services





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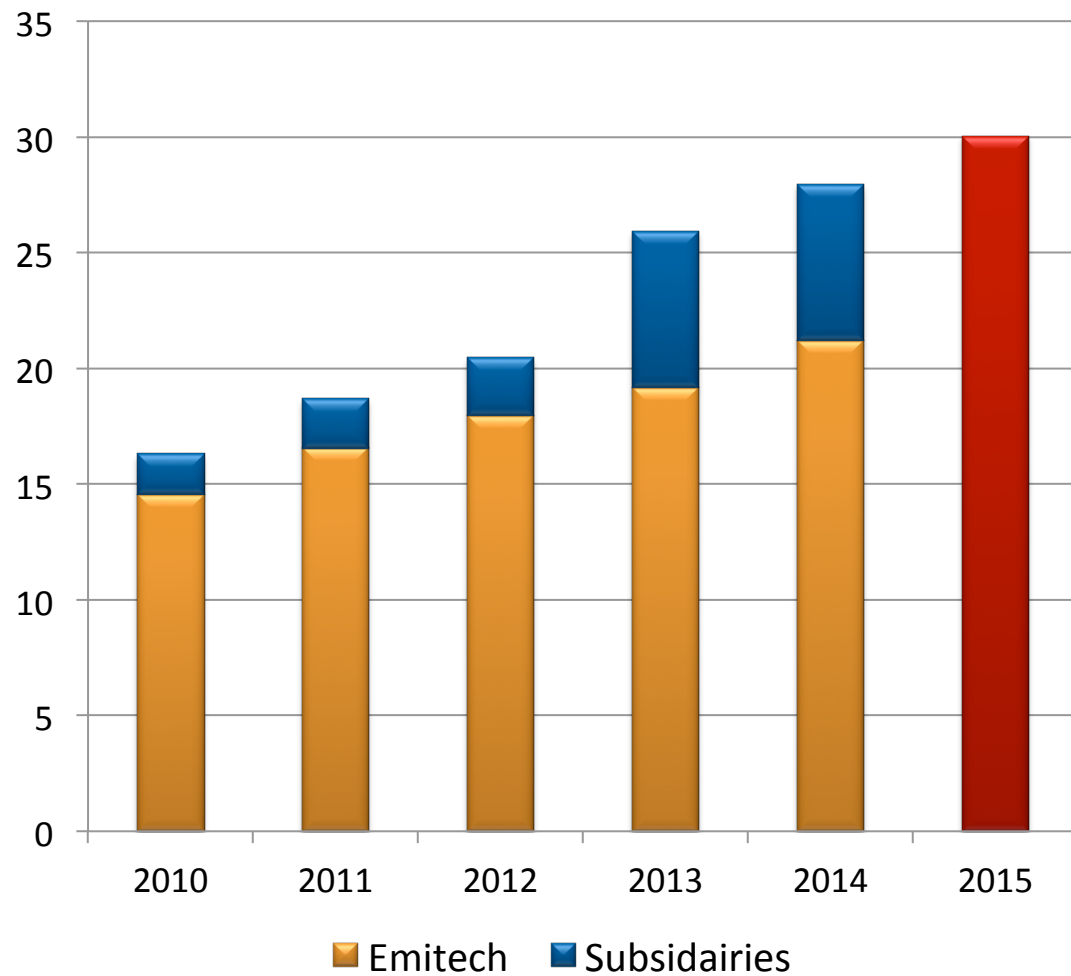
RESULTS



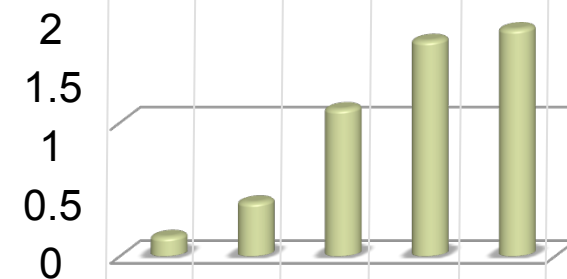
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RESULTS / TURNOVER

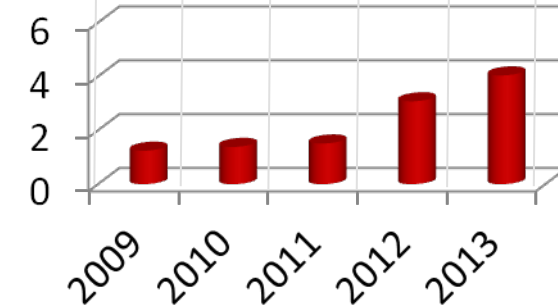
Turnover 2014 : 27,4 M€



Net Profit (M€)



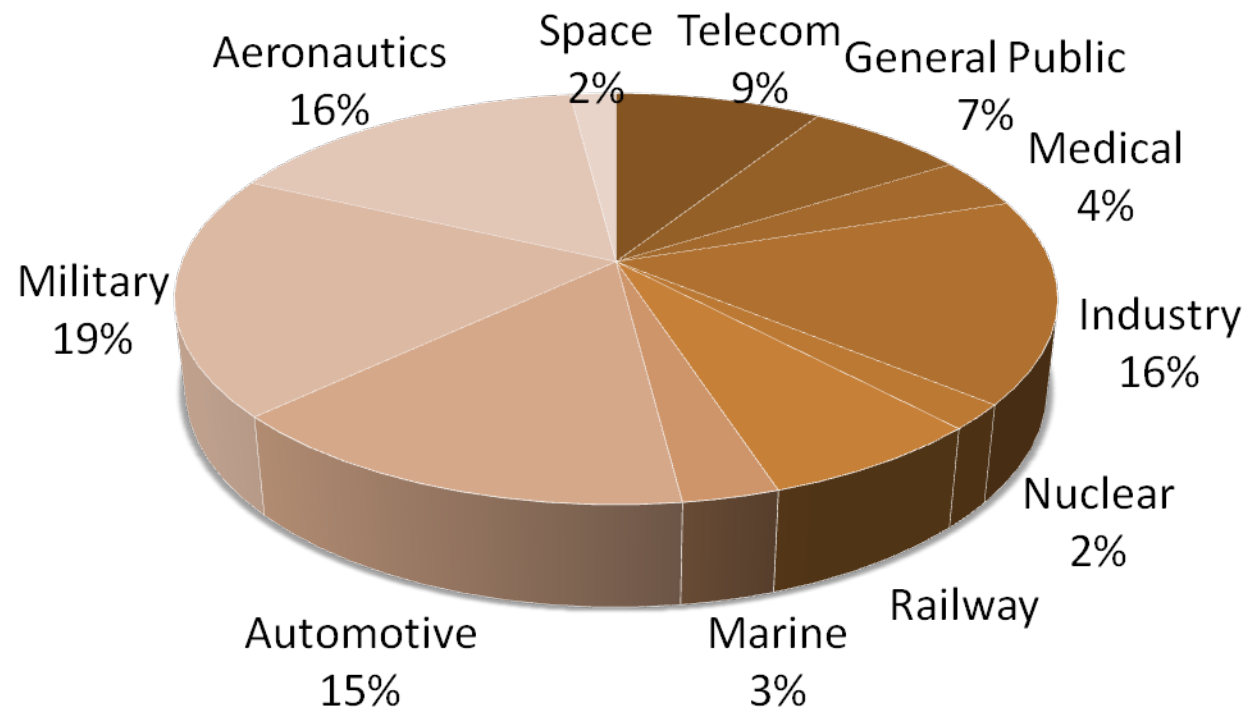
Investments (M€)



➡ **Investments :**
From 10 to 15% of turnover



RESULTS / BUSINESS REPARTITION



The first 40 customers represent 36% of the turnover
About 1200 customers are part of more 64% of the turnover



RECOGNITIONS

AERONAUTIC/ DEFENCE

SAFRAN
THALES
ZODIAC
AIR FRANCE
DAHER-SOCATA
LIEBHERR
CASSIDIAN
PGA ELECTRONIC
MBDA FRANCE
PANHARD GENERAL DEFENSE...

TRANSPORT

RATP, SNCF
BOMBARDIER
FAIVELEY TRANSPORT
ALSTOM TRANSPORTS
ANSALDO STS FRANCE
SIEMENS TRANSPORTATION

INDUSTRY / GENERAL PUBLIC

SIEMENS
AIR LIQUIDE
ERDF, GDF, SUEZ
THALES COMMUNICATIONS
EADS SECURE NETWORKS
GENERAL ELECTRIC
ESSILOR
SOMFY
SFR, ORANGE, FREE
CORA, CARREFOUR...

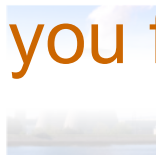
RENAULT
PSA
VALEO
AUTOLIV
KOITO
CONTINENTAL...





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