

aerospace
valley



PÔLE DE COMPÉTITIVITÉ

AERONAUTICS / SPACE / EMBEDDED SYSTEMS

EASN WORKSHOP

APRIL 12TH, 2018



GOLD



Cluster
Management
Excellence

PROVEN FOR CLUSTER EXCELLENCE



AEROSPACE VALLEY

Bringing together stakeholders from industrial sectors

aeronautics

space

embedded systems

- Large firms & OEMs, SME, R&D labs and universities, training centers, etc.
- An innovative and competitive ecosystem
- A community of technological excellence

NOUVELLE AQUITAINE - OCCITANIE

Aerospace Valley, the leading aerospace economic area in Europe.

146 000 jobs

13 000 students

8500 researchers



ONERA
THE FRENCH AEROSPACE LAB

AIRBUS

PMEs

QUALCOMM

Continental

STELIA

IRT
SAINT EXUPÉRY

ATR

cea

LIEBHERR

ALSTOM

Rockwell
Collins

Bordeaux INP
AQUITAINE

ISAE
Institut Supérieur de l'Aéronautique et de l'Espace

cnes
CENTRE NATIONAL D'ÉTUDES SPATIALES

cnrs

SAFRAN

THALES

DASSAULT
AVIATION

LATECOERE



Our missions

To foster collaborative
R&D projects

To accelerate the development
and growth of our members

To initiate the emergence of services
and innovative products

To be the voice of our members at regional,
national and international level

To animate a dynamic network
rich in its diversity



An efficient network of

8000

contacts



840+

Members

of which 500+ SME



100

Events
per year



530 Funded R&T
projects (1,4 Md€)

Our members jointly cooperate within
8 strategic activity domains

AMP



Aero-structures,
Materials, Procedures

ESE



Energy and electro-
mechanical systems

STA



Solutions for the air
transportation system

TOP



Telecommunications,
Observation, Positioning

SOCLE



Embedded systems,
connected objects, tools
and electronics

IHS



Human System
Interaction

USeR



Factory,
Support/MCO/MRO
and Redevelopment

MSA



Modelisation, Simulation,
data analysis

in order to **propose**, **develop** and **share** R&T projects.

MAIN CHALLENGES

- Industrial performance: capacity, quality, on time delivery
- Cost reduction (redesign to cost)
- Incremental and breakthrough innovation
- Maintenance and more generally services to develop new markets
- Environmental impact : shall be divided by 2 before 2050 while global traffic will have doubled

KEY ENABLING TECHNOLOGIES

- Innovative industrial processes and organizations to face competition and absorb ramp ups
- Materials: cheaper, smarter, cleaner
- Artificial Intelligence
 - To get aircrafts and ATM more autonomous
 - To move from a product focused economy to an open user focused market
- More electrical aircraft: a double emergency
 - Short term: to address the VTOLs emerging markets
 - Mid/Long term : to remove showstoppers to very high voltage/power

WORKING TOGETHER...

- ... with **SMEs**
- European research has many areas of excellence and skills of very high level but can seem fragmented and difficult to decrypt for a SME
- To make access to academic world easier **identifying** the right partner throughout Europe
- To contribute to have strong **collaborative** initiatives to face competition with China and US

LE COLLECTIF QUI REND COMPÉTITIF



JOIN US !



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