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
Background - The French “pôles”

70 pôles
9700+ members
80% SME
6.5 bn€ spent in R&D
Three clusters in France dedicated to aerospace

Employment in 2016, source: GIFAS
A strong European cluster policy

“Clusters are seen as an important factor for the explanation of the empirical phenomenon of geographical concentration of economic and innovation activities”.

The concept of clusters:
1. Cluster members benefit from an “agglomeration effect”
2. Cluster facilitates competition and cooperation → “co-opetition”
3. Clusters are characterized by a “social political glue” that hold the different actors together
“Cluster” versus “pôle de compétitivité”

“Geographically proximate groups of interconnected companies and associated institutions in a particular field, linked by commonalities and complementarities” [Harvard, 1998].

The “pôle de compétitivité à la française” are first of all technology oriented, aiming at stimulating innovation and cooperation between industry, research and training (TRL 3-6).
The triple helix cluster concept
Our non-profit association

- 2005 year created
- 40 staff
- 129,000 direct jobs
- 13,000 students
- 8,500 researchers
An efficient network of **8000** contacts

**850+ Members**

of which **500+ SME**

**100 Events per year**

**505 Funded R&T projets (1.2 Md€)**

To foster innovation and collaborative R&D projects

To accelerate the development, growth and international competitiveness 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
... TO SERVE THE MARKETS OF

aeronautics  space  embedded systems  drones

But also

Agriculture  Health  Smart transportation  Energy  Blue Growth
INNOVATIVE PRODUCTS AND SERVICES
Product portfolio

Civil and regional aviation
Business aviation
Military aviation
Turbo-engines
Cockpits
Land gear equipment
Aero-structures
Satellites
Launchers, propulsion and re-entry
Space services
Automotive and railway electronics
European & international Suppliers

Continental
Goodrich (UTC group)
Latécoère
Liebherr Aerospace
Nexeya Group
Safran Landing Systems
Ratier Figeac (UTC group)
Rockwell Collins
Saft
Etc.
A European reference for research and training

8500+ researchers in public and private labs
80 specialised, public research centres
45% of the French R&D potential in aerospace and embedded systems sectors
High-level research centres:
  CEA, CNES, INRIA, ONERA, CERFACS,
  IRT, CNRS labs, ..., universities
3 major “grandes écoles” in aerospace:
  ISAE Supaero Toulouse
  ENAC Toulouse
  ENSMA Poitiers
Engineering and business schools
Training centers: Aerocampus, IAS, etc.
A COLLECTIVE AT THE SERVICE OF ITS MEMBERS

INNOVATION
ENTREPRENEURSHIP
INTERNATIONAL

BIZDEV
FINANCIAL ENGINEERING
INFORMATION - PARTNERSHIPS
Our members jointly cooperate within 8 strategic activity domains

<table>
<thead>
<tr>
<th>AMP</th>
<th>ESE</th>
<th>STA</th>
<th>TOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aero-structures, Materials, Procedures</td>
<td>Energy and electro-mecanical systems</td>
<td>Solutions for the air transportation system</td>
<td>Telecommunications, Observation, Positioning</td>
</tr>
<tr>
<td>SOCLE</td>
<td>IHS</td>
<td>USER</td>
<td>MSA</td>
</tr>
<tr>
<td>Embedded systems, connected objects, tools and electronics</td>
<td>Human System Interaction</td>
<td>Factory, Support/MCO/MRO and Redevelopment</td>
<td>Modelisation, Simulation, data analysis</td>
</tr>
</tbody>
</table>

in order to propose, develop and share R&T projects.
R&D Funding Mechanisms

Accumulated numbers (as of March 2017):
• 947 R&D projects approved by internal Aerospace Valley committee
• 505 projects finally financed with accumulated 1850+ participants

• Total value of all financed projects: 1.23 B€
• Total amount of private funding: 715 M€
• Total amount of public funding: 508 M€ (40% via FUI) (of which 32% for SMEs)
Aéronautique, Espace, Systèmes Embarqués

Energy

Blue growth

Agriculture

Developing economies

Smart cities

Future space applications

ITS
International Cooperation

Formal agreements signed with the following organisations

- AÉRO MONTRÉAL
- HAMBURG AVIATION
- EACP
- CECEMPI
- AED PORTUGAL
- GIFAS
- AVSI
- OSSA
- C-ASTEC
- Skywin Wallonie
- GIMAS
- fac
- subsea valley
Upcoming international events

21-22 November 2017, 1st Aerospace Additive Manufacturing Summit, Toulouse

31 January - 2 February 2018, ERTS² European Congress, Toulouse

26-28 June 2018, Toulouse Space Show

9-14 July 2018, ESOF - EuroScience Open Forum, Toulouse

26-27 September 2018, ADS Show Bordeaux

October 2018, UAV-Show Bordeaux

4-6 December 2018, Aeromart Toulouse
LE COLLECTIF QUI REND COMPÉTITIF

CONNECT US!

contact@aerospace-valley.com  @AerospaceValley  /aerospacevalley  aerospace-valley.com
Merci beaucoup !

WITH THE SUPPORT OF

118 Route de Narbonne
CS 94244
F-31432 Toulouse CEDEX 4
Phone: +33 (0)5 61 14 80 30
schoenfeld@aerospace-valley.com

Crédits photos : iStock, Airbus, Dassault, Valeo, Wikimedia, Pixabay, Aerospace Valley | Design by Dizo