Aeronautic background in Lombardia

History & Culture

Know-How

Innovation
Located in the north of Italy, Lombardia counts about **215 companies** in the aerospace sector, with a total amount of about **21,800 employees**.

The turnover is 6.3 billion euros and the export is about 1 billion euros per year (1/4 of the Italian export).

Source: census of Cluster 2023. Export Istat 2022
Lombardia Production Structure

Trainer Aircraft, Helicopters, Satellites & scientific payloads
- % of Companies: 7
- % of Employees: 39

Avionics, Systems, Systems Integration, Equipment, Structures, Testing, Maintenance, Special Materials
- % of Companies: 39
- % of Employees: 30

Mechanical Components and Sub-systems
- % of Companies: 28
- % of Employees: 18

Generic Materials
- % of Companies: 2
- % of Employees: 1

Services
- % of Companies: 24
- % of Employees: 12

Source: census of Lombardia Aerospace Cluster 2018
Hydraulic & electromech. actuation
Electric power generation
Electric power management
Flight Control System
Radio communication equipment
Avionics & Navigation
Landing gear system
Storage carriage & launching
Ground support equipment
Structures & Materials
Components

Hydraulic servoactutors & Dampers
Electric power generation
Electric power management
Radio communication equipment
Vibration reduction systems
Interiors
Noise reduction systems
Avionics & Navigation
Landing gear systems
Structures & Materials
Components

Thermal control systems
TeleMetery & TeleCommand
Attitude Orbit Control
On-board Data Handling
Propulsion
Batteries
Electronic Power Supply
Power distribution control
Ground segment
Structures & Materials
Components

Products: our Pillars

Three levels of flight, three complete supply chains
Main technologies

Source: Cluster processing 2018
The Cluster
Our 114 members
<table>
<thead>
<tr>
<th>Members List</th>
<th>Sectors description notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>e.g. Hardware and Software</td>
</tr>
<tr>
<td>Aerospace Equipment &amp; Sensors</td>
<td>e.g. Training, consulting, design, maintenance</td>
</tr>
<tr>
<td>Communication, Navigation, Surveillance</td>
<td>e.g. actuators, special materials, tools</td>
</tr>
<tr>
<td>Earth Observation &amp; Related Services</td>
<td></td>
</tr>
<tr>
<td>Engines &amp; Mechanical Components &amp; Surface Treatments</td>
<td></td>
</tr>
<tr>
<td>Equipment &amp; Sensors</td>
<td></td>
</tr>
<tr>
<td>Systems Integration</td>
<td></td>
</tr>
<tr>
<td>trainers aircraft</td>
<td></td>
</tr>
<tr>
<td>Training Systems</td>
<td></td>
</tr>
<tr>
<td>Helicopters &amp; Tilt Rotor Radars &amp; EO/IR</td>
<td></td>
</tr>
<tr>
<td>e.g. actuators, special materials, tools</td>
<td></td>
</tr>
<tr>
<td>e.g. training, consulting, design, maintenance</td>
<td></td>
</tr>
</tbody>
</table>

Click here to view the list of our members on our website
Main steps from Comitato Promotore del Distretto... to Lombardia Aerospace Cluster

- **EUROPEAN AEROSPACE CLUSTER PARTNERSHIP**
  - June 2010

- **REGIONAL DISTRICT**
  - Program agreement Regione Lombardia – MIUR
  - December 2010

- **PARTNER OF NATIONAL AEROSPACE CLUSTER**
  - September 2012

- **AIR AGGREGATION**
  - Regione Lombardia Call
  - April 2012

- **DENOMINATION & GOVERNANCE CHANGE**
  - Regione Lombardia Call
  - October 2014

- **CONSOLIDATION**
  - Regione Lombardia Call
  - 2016-2018

- **EUROPEAN CLUSTER COLLABORATION PLATFORM**
  - 2015 - 2016

- **BRONZE LABEL**
  - October 2014

- **FOUNDATION**
  - February 2009

- **10th Anniversary**
  - 2019

- **Advanced Air Mobility (AAM) project development**
  - 2021

- **10th Anniversary**
  - 2019
VISION

→ To provide the Lombardian aerospace system with a united, visible and identifiable collective identity, in constant communication with the outside world.

→ To be the interface with Institutions and third parties about initiatives involving the Cluster as a whole (large companies, SMEs, universities, research centres).

MISSION

To stimulate the **competitive growth** of SMEs through the sharing of technological scenarios, the aggregation and development of shared projects.

To foster **innovation**, the key feature of the Cluster, and promote support for research programs, especially towards SMEs.

To modernize the **supply chain** to ensure the competitiveness of SMEs towards major international players.

To promote the productive system and encourage the participation in **national and international airshows**, in order to increase SMEs' competitiveness.

To support and expand the excellence of the Lombardian aerospace and space industry through the creation of a **network** of large companies, SMEs, knowledge system and institutional subjects, which can safeguard the knowledge in the region.

To strengthen the role of **institutional representative** towards Regione Lombardia with regard to industrial, national and European politics in the aerospace sector.
Governance

General Assembly

Governance Board

President: A. Vallerani

Cluster Manager: G. Fornara

Technical Scientific Board

Coordinator: P. Cerabolini

Technological Advisor

G. Pagnano

Thematic Area Supply Chain and Industry

Team Leader: N. Crespi

Thematic Area Internationalisation

Team Leader: S. Merletti

Thematic Area Business Networking

Team Leader: M. Maronati

Thematic Area Education and Human Capital

Team Leader: A. Ciserani