Aeronautic background in Lombardia

Know-How

Innovation

History
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).

Fonte: censimento LAC 2023. Export Istat 2022
Lombardia Production Structure

Source: census of Lombardia Aerospace Cluster 2018
Products: our Pillars

Three levels of flight, three complete supply chains

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
TeleMetry & TeleCommand
Attitude Orbit Control
On-board Data Handling
Propulsion
Batteries
Electronic Power Supply
Power distribution control
Ground segment
Structures & Materials
Components
Our 115 members
Categories of the supply chain and main actors

<table>
<thead>
<tr>
<th>Prime Contractors</th>
<th>Tier 1 Companies</th>
<th>Universities</th>
<th>Research Centers</th>
<th>Air Traffic Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leonardo</td>
<td>Secondo Mondi</td>
<td>Politecnico Milano 1863</td>
<td>IPA</td>
<td>SEA Milan Airports</td>
</tr>
<tr>
<td>OHB Italia</td>
<td>FA Elettronica</td>
<td>Università di Pavia</td>
<td>INAF</td>
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<tr>
<td>Thales Alenia Space</td>
<td>Aerea</td>
<td>Università Cattaneo</td>
<td>Istituto Nazionale di Astrofisica</td>
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<td></td>
<td>Logic</td>
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</tbody>
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Main steps

from Comitato Promotore del Distretto... to Lombardia Aerospace Cluster

- European Aerospace Cluster Partnership
  - June 2010

- Partner of National Aerospace Cluster
  - September 2012

- Foundation
  - February 2009

- Regional District Program agreement Regione Lombardia – MIUR
  - December 2010

- Denomination & Governance Change
  - Regione Lombardia Call
  - October 2014

- Advanced Air Mobility (AAM) project development
  - 2021

- Consolidation
  - Regione Lombardia Call
  - 2016-2018

- Bronze Label
  - October 2014

- 10th Anniversary
  - 2019

- European Cluster Collaboration Platform
  - 2015 - 2016

- Air Aggregation
  - Regione Lombardia Call
  - April 2012
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 promote the productive system and encourage the participation in **national and international airshows**, in order to increase SMEs’ competitiveness.

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

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

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

Technical Scientific Board
COORDINATOR: P. Cerabolini

Technological Advisor
G. Pagnano

GENERAL ASSEMBLY

GOVERNING BOARD

PRESIDENT: A. Vallerani

CLUSTER MANAGER: G. Fornara

COORDINATOR: C. Valerio

Thematic Area Supply Chain and Industry
Team Leader: C. Valerio (ad interim)

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