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
Main technologies

Space tech.  Avionics  Electronics  Sensors  Structures  Mechanics  Materials  Propulsion  Engineering

Source: Cluster processing 2018
The Cluster
**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 servoactuators & 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 113 members
Categories of the supply chain and main actors

Prime Contractors
- Leonardo
- OHB Italia
- Thales Alenia Space
- Thales

Tier 1 Companies
- Secondo Monti
- ELA
- Aerea
- ASE
- Logic

Universities
- Politecnico Milano 1863
- Università di Pavia
- LIUC Università Cattaneo

Research Centers
- Istituto per il Rilevamento Elettromagnetico dell'ambiente
- Istituto Nazionale di Astrofisica

Air Traffic Management
- SEA Milan Airports
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

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

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

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

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

- **BRONZE LABEL**
  - October 2014

- **FOUNDATION**
  - February 2009

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

- **10th Anniversary**
  - 2019
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).

VISION

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

General Assembly

Governing Board

President: A. Vallerani

Cluster Manager: G. Fornara

Technical Scientific Board

Coordinator: P. Cerabolini

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