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

- **Services**: 24% of companies, 12% of employees
- **Generic Materials**: 2% of companies, 1% of employees
- **Mechanical Components and Sub-systems**: 28% of companies, 30% of employees
- **Avionics, Systems, Systems Integration, Equipment, Structures, Testing, Maintenance, Special Materials**: 39% of companies, 39% of employees
- **Trainer Aircraft, Helicopters, Satellites & scientific payloads**: 7% of companies, 30% of employees

Source: census of Lombardia Aerospace Cluster 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 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
Categories of the supply chain and main actors

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

Tier 1 Companies
- Secondo Mond
- EA Ingegneria
- Aerea
- ASE
- Logic

 Universities
- Politecnico Milano 1863
- Università di Pavia
- 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

- **FOUNDATION**
  February 2009

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

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

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

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

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

- **AIR AGGREGATION**
  Regione Lombardia Call
  October 2014

- **CONSERVATION**
  Regione Lombardia Call
  October 2014

- **BRONZE LABEL**
  October 2014

- **10th Anniversary**
  2019

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

Thematic Area:
- Supply Chain and Industry: Team Leader: C. Valerio (ad interim)
- Internationalisation: Team Leader: S. Merletti
- Business Networking: Team Leader: M. Maronati
- Education and Human Capital: Team Leader: A. Ciserani