

PIEMONTE



[www.tpafllytech.com](http://www.tpafllytech.com)

# FARNBOROUGH INTERNATIONAL AIR SHOW

Farnborough, July 11 - 17

Hall 1 / Stand A 140



REGIONE  
PIEMONTE

Initiative co- financed  
by the Development and Cohesion Fund

[www.regione.piemonte.it/fsc/internazionalizzazione](http://www.regione.piemonte.it/fsc/internazionalizzazione)

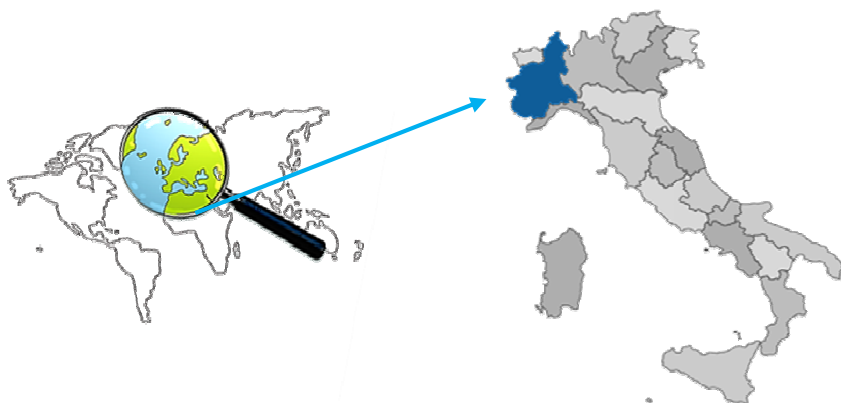


## DISCOVER TORINO & PIEMONTE

North Western Italian region, Piemonte is located right at the heart of Europe.

**Technologically and mechanically advanced, it is a land of excellence with approximately 443,000 enterprises** (more than 7% of the Italian companies) organized in extremely innovative, flexible and efficient clusters and annually exports goods worth 45.8 billion €, i.e. 11.1% of the total national exportations.

It is one of the most industrialized regions of Italy and hosts a distinctive ensemble of manufacturing variety: aerospace, automotive, automation and mechatronics, design and luxury, agrofood and machineries, ICT, energy and environment, railway, gold & jewellery, infrastructures and logistics, design, building and living, home textiles and machineries.



## AEROSPACE SECTOR

The Region is a crossroad of industrial heritage, technological excellence and academic network.

Seventh in the world and fourth in Europe, with a **turnover of over € 12,9 billion** and a **workforce of 44,375 employees** with high levels of specialization, the aerospace industry represents the **largest manufacturing sector in Italy in the field of high-tech integrated systems**.

In Piemonte, the **aerospace sector is one of the productive and scientific excellences**, confirming the regional vocation for technological innovation. In terms of wealth and resources, the **Piedmontese aerospace industry** with 280 companies employs approximately **14.800 people**, with an annual **turnover of around € 3.9 billion**.



### Strong industrial heritage and high capacity in innovation and R&D

- ◆ 200 public and private research centers
- ◆ 380 laboratories
- ◆ 4 Universities
- ◆ 6 science and technology parks



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## WORLD COMPETITIVE SUPPLY CHAIN



Thanks to Leonardo and AVIO Aero for the images

**Torino Piemonte Aerospace** provides international players a free preferential channel to meet and start business with **100 top class aerospace & defense selected enterprises** based in Piemonte, Italy.

The companies were chosen according to **strict parameters of evaluation**, such as: the technical know-how, the presence of innovative products and processes, the quality of the company, the programmes developed, the global coverage, the human resource potential and the ability to work as a team. Moreover, in order to be part of the project, all member companies are required to satisfy product quality standards, project design capabilities and production flexibility, indispensable features to be competitive on international markets.

The resulting group **represents all fields of production** and many enterprises can be placed in more than a sub sector: aerostructures and aircraft manufacturing - UAV / UAS and OPV included -, systems and components, precision mechanics, propulsion systems, design, engineering and prototyping, special materials and surface treatments, on board equipment and avionics, interior equipment and furnishing, satellite, space

payload and telecommunications, services (MRO, technical documents etc.), plants, machineries and tools - robotics, automation, metrology, testing, analysis, control, logistics, ICT for aerospace application included -.

Almost 90% of the companies invest in R&D, while 65% owns national and international quality accreditations and 83% is present on international markets; exports are mostly directed to EU Countries (100%), North America (58%) and Asia/Oceania (43%).

**Torino Piemonte Aerospace** believe in making *your business grow and go global*:

### ENGAGE WITH US

- **unique** manufacturing and engineering know-how
  - high quality production/services
- **global supply chains** sharing commercial objectives, target clients and strategies
  - competitive price
  - high performance
  - manufacturing process optimization
- **technical work groups** welcome foreign companies to work together to develop projects aligned to international players' expectations

**Save money in  
scouting**



**Save effort in  
screening**



**Save time in  
organizing  
personalized B2B**

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## INTEGRATED SUPPLY CHAINS

Integrated supply chains are key points for *Torino Piemonte Aerospace* ([www.tpafllytech.com](http://www.tpafllytech.com)) that constantly fosters **cooperation** among member companies in order to improve their performance and work out **new challenges together**.

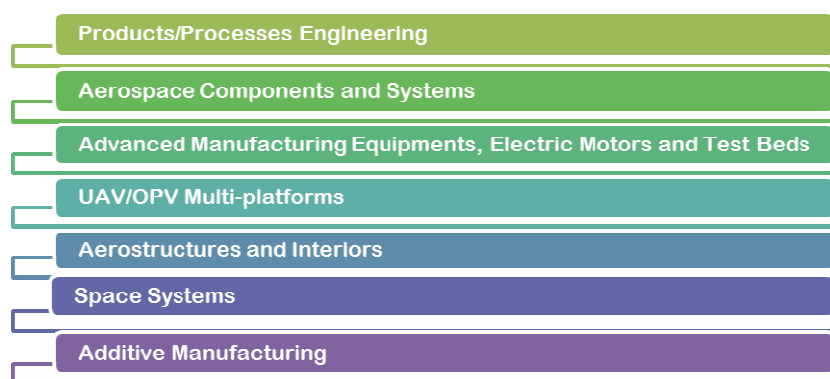
The goal is to identify for each productive sector an **aggregate supply system** able to be more attractive to potential international customers.

Several supply chains are already fully operational to meet demands by international markets:

- On Board & Ground Avionic Electrical Subsystem
- Interiors, Systems and Components – LISA Cluster
- Aerostructures subassembly & subsystem
- Propulsion Systems and Engine Components – AENCOM Cluster
- UAV/OPV Platforms
- AIRMED
- Space Systems

## TECHNICAL WORKING GROUPS

Tailored upon eligible both skills and the know-how of the industries in Piemonte, **Technical Working Groups** are launched on a variety of themes, such as:



Each Technical Working Group is focused on technologically innovative topics aimed at sharing ideas and at launching competitive projects in order to define new technological milestones. Several projects have already been launched, focusing on: *alternative energies, space guide systems, UAV components, innovative sensors, magnetic bearings, high altitude wind energy capture systems, advanced electric actuators, innovative cabin doors, innovative seats, green technologies, fluidic components for space systems.... and much more.*



Connect with our companies and join our activities on [tpafllytech.com](http://tpafllytech.com);  
our team is at your disposal at [technical-aerospace@centroestero.org](mailto:technical-aerospace@centroestero.org)

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**AENCOM**

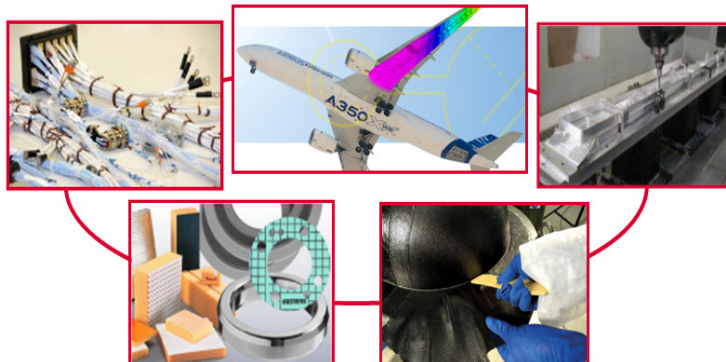
Fully integrated solutions for Aero-Engine  
 components and sub-assemblies.  
 From Design to full rate Production.  
 All in one Group.

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**ALTAIR CONSORTIUM** was founded in 2010 to join the skills and competencies of the partner companies in the aerospace sector and in other relevant experience fields. The synergy of the different skills allows ALTAIR consortium to offer a wide range of products and services and to be a reliable partner on program management, engineering, aerospace product and organizations certification and approval support, maintenance, manufacturing and repair, quality and OH&S management, training, logistic engineering, composite materials, gasket, sealing and insulation, design, test and validation in the aerospace and other sector. Supply of complete aeronautical parts, including material, machining (turning, 5 axis milling and grinding), NDT, thermal & surface treatments and small assemblies, avionic and electric harnesses for civil and military aircrafts, innovative composite materials are products in the portfolio. ALTAIR is also a member of the MRO Net.it network for Maintenance, Repair and Overhaul.

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Five companies with synergistic activities for the development of topological optimization, additive manufacturing, mechanical processing and control, analysis and metrology integrated solutions for their civil, military and space customers. Together they present new solutions of re-engineered components, realized in additive manufacturing and inspected using tomography or old components realized using tomography for reverse engineering and produced with advanced manufacturing techniques.

**AEROTECH** is certified UNI EN ISO 9100 and provides aircraft parts of small, medium and large sizes and assembly aircraft subgroup. Construction molds for composites, foaming and sheet metal. Full supply of any dimension equipment. Cad/Cam, cutting, waterjet cutting, machining 3/5 axes, surface polishing. Mechanical Assembly, special bonding, sealing, nailing rivets. Dimensional test and others. Network of qualified suppliers for special processes.

**ITACAE** offers traditional & innovative CAD & CAE methodologies for product and process design and engineering, coupled with Lean – Six Sigma methodologies aimed at increasing efficiency and quality of production and functional processes. It offer of a platform of services and tools enabling structural design for additive manufacturing.

**PROGEM** offers milling and turning machining of mechanical components in various materials like steel, stainless steel, aluminum, aluminum alloys, special steels, bronze, copper, plastic materials, iron for different sectors like aeronautic, aerospace, defense, mechatronics, food packaging.

**BEAMIT** is one of the three additive manufacturing companies (ISO 9100) with the biggest machine park in Europe, with all metal alloys available for additive processes. It started offering plastic prototyping services and since 2007 it became specialized in additive metal manufacturing. Beam-IT stands out for its willingness to innovate and for a steady research in a sector with incredible potential to growth. The passion and force of its team contributes to the development of the company's expansion on the international market: from the idea to additive production.

**LABORMET DUE** offers custom made technological solutions for the control of materials, production and quality: microscop, hardness tester, dynamometers, 3D optical measuring machine; climatic chambers, industrial CT scanner. The company provide through its tomograph vitomex 300 m G.E. metrology services, failure analysis and reverse engineering.



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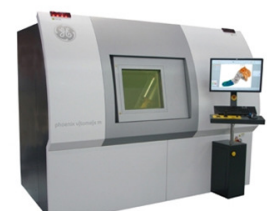
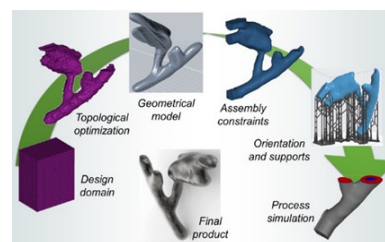
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**MEPIT** has been working in the aerospace sector since 1969 and is specialized in machining of high precision mechanical parts. The company is equipped with multi-axis lathes, milling machines, electroerosion equipped with the best numeric control systems and with the opportunity of connecting to its processing CAD/CAM in its technical office. Mepit works any material, metallic or not: from plexiglas to aluminium, from nylon to steel and all special alloy steel like inconel, hastelloy-X, 17-4PH, 15-5PH, titanium alloy etc. Moreover, so as to offer a complete, all-inclusive service, Mepit is able to supply its customers with a finished product – thanks to its partnership with qualified suppliers – managing even special processes such as: welding, heat treatments, surface treatments, non-destructive testing, varnishing etc. All the activities of Mepit are done with a Six Sigma method and according to EN9100 quality system.



**COMUTENSILI** is an Italian company, employing about 60 people.

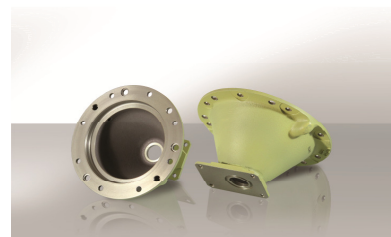
Company activities:

- a) designing and manufacturing of broaches (pine & dovetail for the aerospace) gas and steam turbine industry;
- b) machining blades and vanes for the aerospace and gas turbine industry;
- c) machining superalloy parts (engine disk, vanes, diaphragm, ring etc).

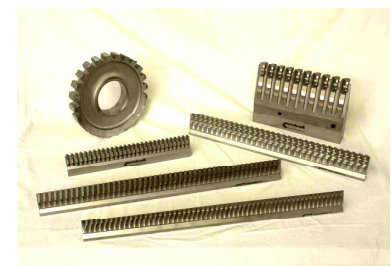
The company is certified according to ISO 9001 and ISO 9100.

Comutensili Quality System is audited and approved by the most important aerospace and powergen companies.

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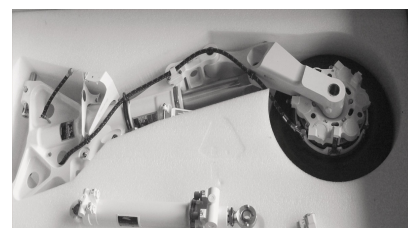


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**MECAER AVIATION GROUP (MAG)** with facilities across Italy, Canada and the United States, offers Integrated Systems for Helicopters, General Aviation & Business Aircraft and Basic Trainers such as flight control, landing gear and actuation systems, as well as cabin comfort systems which include interiors design, development, manufacturing and certification, noise & vibration abatement, sound-proofing, entertainment & communication systems, completion & modification services, as well as MR&O services.

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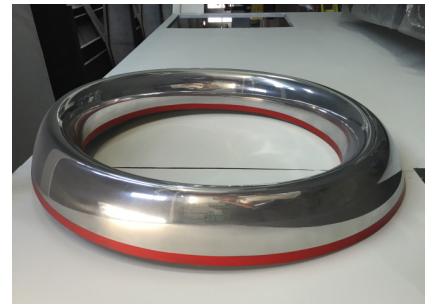
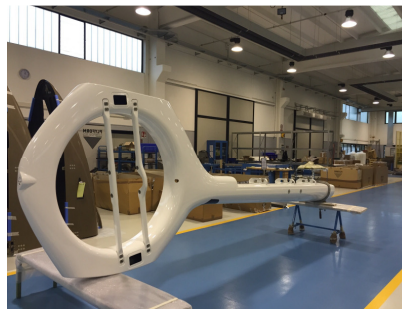
**HTF** was founded in 2008 from a group of engineers, workshop personnel with more than 30 years of experience and production equipment from former company Ilmas. HTF is a center of excellence for complex sheet metal parts manufacturing, machining and surface treatment, NADCAP approved Heat treatments, TIG and spot welding, laser cutting and assembly in the Aerospace field and is able to provide parts and assy ready to install on customer's final assembly lines supporting domestic and international customers.



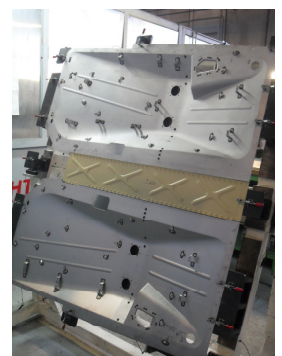
**PLYFORM COMPOSITES** works since the early 80's on structural applications of advanced composites materials with Approvals and Certifications in aeronautical, aerospace and industrial sectors. Plyform offers a complete concept to component service, providing aerostructures assemblies, tooling experiences and all its know-how for co-design or concurrent engineering phase.

**HTF & PLYFORM** have created a strong partnership for the development and manufacturing of loose and mixed composite—metal assy developing together solutions for their customers for civil and military Helicopters, Airplanes and Space vehicles, both supporting domestic and international customers.

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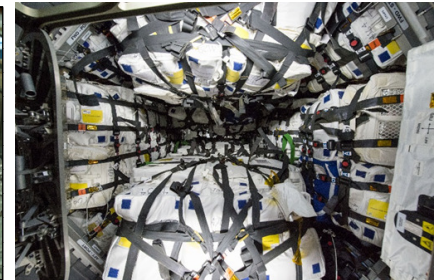




**SABELT** was founded in 1972 by Piero and Giorgio Marsiaj as producer of OEM safety belts and soon became the European leader of the market. Using the deep knowledge and expertise about harnesses, Sabelt extended its business to Racing harnesses and Child Safety System (the restraint system for child seats) while consolidating a strong partnership with TRW which started from the mid 80's.

Sabelt has always been in pole position with Research & Development of its' products. Thanks to this experience, Sabelt has been able to apply similar technology in aerospace, reducing the mass of the retaining systems for the space cargo module up to 40% of its' original weight. Today Sabelt is a leader in OEM composite light seats for supercars and leader in Racing harnesses, while the new — born Special Applications Business Unit has been created to penetrate adjacent markets where safety belts and retaining system knowledge is the added value for customers.

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**TUBIFLEX** since 1951 is undisputed specialist in fluid transfer through stainless steel and tape wrapped convoluted PTFE hoses and assemblies; multilayer strip-wound hoses; stainless steel expansion joints and bellows, pliable solutions and metal bent tubes. Tubiflex products are distributed world-wide to a wide range of industrial market segments.

Some typical Aerospace applications: Air bleed, Oil breathing, Drain systems, Fuel systems, Cable protection, Cabin ventilation, ECS low/high pressure, Air conditioning and Cooling systems.

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# AEROSPACE & DEFENSE MEETINGS TORINO



**TORINO-ITALY** November 29-30, 2017



THE 6<sup>TH</sup> INTERNATIONAL BUSINESS CONVENTION FOR THE AEROSPACE INDUSTRY IN TORINO

One to One meetings  
Conferences & Workshops  
OEMs procurement & supply chain policy sessions  
**Green Aviation Village**

2015 Industrial sponsor:



[www.aerospacemeetings.com](http://www.aerospacemeetings.com)

2015 host sponsor:



In 2015 the initiative was part of the Plan for the Internationalization by Regione Piemonte and Unione Camere Piemonte and was co-financed by the Development and Cohesion Fund

2015 edition in  
cooperation with:



In 2015 supported by:





for Information



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[www.centroestero.org](http://www.centroestero.org)

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## main partners



## technical partner



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