



**AEROSPACE  
& DEFENSE**  
**MEETINGS TORINO**

**TORINO  
ITALY**  
November  
26/27 2019

The **7<sup>th</sup>**  
international  
business convention  
for the aerospace  
industry in Torino

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## CONFERENCES AND WORKSHOPS

NOVEMBER 26 2019

**OVAL LINGOTTO – Via Giacomo Matté 70, 10126 Torino TO**

- 10:15-10:45**    **JIT in Long Cycle Businesses through lean process digitalization and 4.0**  
 Giulio LANZA, Advanced Manufacturing World Class Centre Manager, **ALTRAN Italia**  
 Creating flow and ensuring the right information/part is in the right quantity, reach the right place at the right time for 100% OTD and Cash Flow Optimization. Giulio Lanza will tackle Supplier Connectivity from Capacity planning, Inventory control, to purchase order and delivery, Right-Time Visualization- Digitization of anomalies - Material Replenishment - Production/Service Control adherence and Integrated Logistics and 4.0
- 10:50-11:20**    **Opening ceremony - Institutionals and VIP from Italian big industries**
- 11:25-11:55**    **Opening ceremony**
- 12:00-12:30**    **Aerospace Industry in Morocco**  
 Meryem KABBADJ, Business Development Associate, Aerospace Department, **AMDIE**  
 Aerospace industry in Morocco experienced a growth of 22% last year. The supply base offers a large and diversified amount of capabilities with an integration rate of 34%. Indeed, Morocco offers good proximity and free of duties access to both Europe and US markets, a competitive cost structure and high-quality standards, which makes it a very competitive solution for companies willing to expand their footprint or looking for new competitive suppliers.
- 14:00-14:30**    **Aerospace and Defense Industry in Turkey**  
 Alfredo NOCERA, Country Advisor – Italy, **INVESTMENT OFFICE OF THE PRESIDENCY OF TURKEY**  
 Yilmaz GULDOGAN, General Coordinator, **ALP AVIATION** & General Manager, **ALPTECHNIC AVIATION**  
 Enis ATAS, General Manager, **ALTINAY**  
 Murat KOC, Business Development Manager, **ALTINAY**  
 A cultural and economic hub for the last 25 centuries, Turkey is the 13th economy in the world, with 5,5% average annual GDP growth, and a young, well-educated and dynamic population.  
 Turkey has a flourishing aerospace industry, with civil and military aircraft/helicopters designed and manufactured locally.  
 With 515 aircraft and 210 million passengers per year, Turkey is a major aviation hub, also thanks to the new Istanbul airport, the largest in the world.

Relations between Italy and Turkey are solid and thriving. Italy has been 3rd investor in 2018, and 5th commercial partner. More than 1400 Italian firms operate in Turkey, including major aerospace companies.

**14:00-14:30 Cross Technologies: from Space to Earth**

Cesare LOBASCIO, Innovation Lead, Exploration & Science, Senior Expert, Life Support and Habitability  
**THALES ALENIA SPACE**

Rosa SAPONE, Head of the Aerospace Systems Engineering Unit, **ALTEC** Operational Direction  
Moderated by Diana GIORGINI- Aerospace Industry Manager – Piemonte Agency

Nowadays space related implications on everyday life are becoming more and more evident. Cross technologies have always contributed to enhance our capabilities to pioneer Space, with, as a result, a mutual fertilization of developments: enhancing what is possible on earth thanks to space heritage, and the other way around.

In Thales Alenia Space, with our “Space for Life” we strongly believe in space as humankind’s new horizon to build a better, sustainable life on earth. Several projects have been dedicated to fulfil our mission. ALTEC, the Italian Gateway to the International Space Station, and soon to Mars, is devoted to create and grow this strong link between our planet and Space.

Starting from automotive to medical, passing through agro-food, energy & fashion verticals, several are the practical cases in which Space has a strong synergy with other markets. This presentation, open to an interaction with its participants, helps people and SMEs in understanding how (new) technologies could fit into the discovery path of our universe and beyond.

**14:35-15:40 Aggregation and Collaboration Experiences with Piemonte Companies: Results and Perspectives in the Space International market**

Piero MESSIDORO, Senior Technical Expert, **PIEMONTE AGENCY**

Alessandro BALOSSINO, R&D Project Engineer, **ARGOTEC**

Flavio BANDINI, Product Line Manager of Infrastructure and Transportation Systems, **THALES ALENIA SPACE**

Fabio NICHELE, COO, **TYVAK INTERNATIONAL**

Marco MORRONE, Co-Founder & Chief Business Officer, **Composite Research Start-Up (CoRe)**

Veronica LA REGINA, Director, Global Engagement – EU, **NANORACKS Europe**

This workshop aims to deepen the results achieved through the aggregation of Piemontese SMEs and on the characteristic synergy established with the large companies settled in the territory. Will involve in particular: Tyvak International, Argotec, Co.Re. and D&R solutions cluster, Thales Alenia Space, Nanoracks.

Tyvak International and Argotec will present their Small Satellite platforms and international projects made in collaboration with local suppliers and their growing potentials. The D&R solutions cluster, represented by Co.Re., will introduce a concept of solar panel based on their MadFlex material, realized thanks to a strong collaboration between companies of different sectors.

TAS will present the results of the workshop on the spatialization of the thermal components directly involving several SMEs and their aggregations.

The aim of Nanoracks is to highlight the collaborations undertaken on the territory and the cross-cutting activities in other sectors.

**15:45-16:15 Advanced Laser processing for aerospace parts**

Marcello DI GIANDOMENICO, Business Development Specialist 3D Sales, **PRIMA POWER**

Many critical components of aircrafts and helicopters engines and structures are produced using laser processing.

The use of 5 axis laser systems have allowed Aerospace OEMs to improve the parts manufacturability and at the same time to evolve products achieving higher performance and contributing to fuel consumption reduction and total costs.

Prima Power, global leader in the market of 5 axis laser for Aerospace applications, has a long history (+35 years) as a partner of the major OEMs for the development of the most advanced laser processing solutions for demanding applications.

The presentation will provide to the audience an overview of those applications such as laser drilling, cutting and welding, how they are applied to the parts and what advantages laser systems bring.

Additive Manufacturing technology is showing a big potential for further developments.

Prima Power has recently opened a new division (Prima Additive) to contribute to those developments with its experience and knowledge.

Applications and solutions for Additive Manufacturing will also be presented.

#### **16:20-16:50 South African Aerospace Industry**

Johan STEYN, Managing Director of [AEROSUD AVIATION \(Pty\) Ltd](#) and a Director of [Aerosud Holdings \(Pty\) Lt](#) and [ANDTc](#), and Chairman of the Board of [CAMASA \(Commercial Aviation Manufacturing Association of SA\)](#)

The Commercial Aerospace sector in South Africa includes capabilities in Design, Qualification, Certification and Manufacturing capabilities. Mostly represented by privately owned Small and Medium Enterprises (SMS) as well as a few State owned Entities. The sector employs around 3 000 highly skilled employees and exports around 200 mEuro. Mr Johan Steyn, representing CAMASA will give an overview on some of the products and companies that are active in this sector. A round table will follow with a technical discussion on crucial topics such as composites and additive manufacturing.

#### **16:55 – 17:25 The Czech Aerospace Industry: Opportunities for your business and cooperation**

Marek ATANASCEV, Director, [CZECH TRADE PROMOTION AGENCY](#)

Lucie MEZNIKOVA, Private Sector Specialist, [BRNO CITY MUNICIPALITY](#)

If you want to learn more about the Czech market and the aerospace and defense sector in the Czech Republic, take part in our workshop and we will present you the latest and most important information. We will give you advice that no one else can give you regarding the Czech business environment, while the Czech companies will share their experiences with you.

#### **16:20 – 17:25 ELITE-LEONARDO LOUNGE: How ELITE supports Leonardo's Partners to grow through skills, network and capital**

Paolo ROSTIROLLA, Supplier Development, [LEONARDO s.p.a.](#)

Marta TESTI, Head of Product Management & Italy Country Head, [ELITE, London Stock Exchange Group](#)

Luca PASSARIELLO, Head of Supply Chain and Business Promotion, [Sace Simest, CDP Group](#)

As part of Leonardo's LEAP2020 programme, in February 2019 Leonardo and ELITE established a partnership aimed at fostering the growth of Leonardo's strategic suppliers through the development of the "ELITE Leonardo Lounge", an environment inside the ELITE Program, co-designed to respond to specific requirements of the best companies in Leonardo's supply chain.

The ELITE-Leonardo Lounge allows those suppliers who join the Program to structure their growth and expansion plans, providing structured financial and non-financial tools and solutions, where high transversal skills are required, particularly in terms of international development and internal organisational structure. In May 2019 the initiative has been further boosted through the agreement among Leonardo, CDP and ELITE whose decided to pool their own strengths in order to support the manufacturers on their paths of growth and development by adopting a system approach.

OVAL LINGOTTO – Via Giacomo Matté 70, 10126 Torino TO

<p>09:40-10:45</p> <p>10:50 -11:55 <b>EXPERT PANEL – Transformation of Products and Innovation</b> Moderated by Iain BLACKHALL, Director Global Media, <b>AVIATION WEEK</b> Luca BEDON, Advanced Technologies Engineering Leader, <b>AVIO AERO</b> Armando CIAMPOLINI, Operations &amp; Programs Director, <b>ALTEC</b> Jeffrey MANBER, CEO, <b>NANORACKS</b> Cesare LOBASCIO, Innovation Lead, Exploration &amp; Science, Senior Expert, Life Support and Habitability <b>THALES ALENIA SPACE</b></p>	<p>09:40-10:45</p> <p><b>CONFERENCE</b> <b>Presentation event of «Città dell’Aerospazio»</b> <b>Tentaive Programme</b> Moderated by: La Stampa 9.40 The moderator introduces the initiative and describe the objectives of the event 09:45-10:05 Institutional opening address: Chiara Appendino, Mayor of Torino 10:05-10:15 Guido Saracco, The Rector of Politecnico di Torino, describes general aims of the Aerospace City in the territorial context 10:15-10:25 Valerio Cioffi, Chief of Aircraft Division of Leonardo, describes the technological content of the initiative (Joint laboratories) 10:25-10:35 Alessandro Profumo, CEO of Leonardo introduce the competitive and industrial implications of the initiative for the territory, for Leonardo and for the country 10:35-10:45 Institutional closing remarks: Alberto Cirio, President of Piemonte Region</p>
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**10.50-11.55 EXPERT PANEL - Digital Transformation of Manufacturing Processes**  
Moderated by Iain BLACKHALL, Director Global Media, **AVIATION WEEK**  
Nino ATZEI, Aviation Operating System – Division Process Leader, **AVIO AERO**  
Jean-François CUGY, **DASSAULT AVIATION** Senior Expert for Configuration Management | Global Digital Transformation - **BOOSTAEROSPACE** General Manager  
Giacinto CARULLO, Senior Vice President Procurement & Supply Chain – Aircraft Division **LEONARDO**  
Denzil LAWRENCE, Supplier Development & Diversity, **The BOEING Company**

**12:00-12:30 SECO - your provider of Manufacturing solutions for Aerospace**  
Branko HOHNEC, General Manager, **SECO CANADA**  
Seco works closely with aerospace manufacturers to create and provide solutions that increase productivity and bolster profitability. With 5,000 team members in over 75 countries, we offer a globally networked resource dedicated to solving your challenges and supporting your operations. Through cooperative partnerships with aerospace manufacturers and entities around the world, we monitor trends, identify challenges and develop solutions that overcome the industry’s most demanding applications.  
The aerospace industry faces many challenges, with a primary focus on reducing weight and increasing fuel efficiency. By 2020, the industry has committed to achieving four distinct milestones : 50% reduction of CO2 (carbon dioxide) emissions per passenger per kilometer | 50% reduction in perceived aircraft noise | 80% reduction in N2O (Nitrous Oxide) emissions | Implementation of a greener aircraft life cycle.

**12:00-12:45 Italy: The Perfect Platform for Aerospace Business Opportunities in Italian Aerospace Industry**  
**INVESTING IN ITALIAN AEROSPACE INDUSTRY – THE ITALIAN TRADE AGENCY AS ONESTOP SHOP FOR INVESTMENT PROMOTION**  
12.00 – 12.05 Italian Aerospace Industry Marina DAMAGGIO, ITA - **Italian Trade Agency** / Director FDI Partnership and Sector- based Analyses

MEET PIEMONTE AEROSPACE SYSTEM AT A&DM

12.05 – 12.15 Giulia MARCON, [Regione Piemonte](#) / Head of International Affairs Dept.

LAZIO AEROSPACE TECHNOLOGY CLUSTER KEYNOTES

12.15 – 12.25 Gerardo LANCIA, [Lazio Innova spa](#) / EU Structural Investment Funds TA - Special Projects & Technology Cluster Senior Officer

APULIA: THE AEROSPACE REGION

12.25 – 12.35 Cosimo [BORRACCINO](#), Minister for Economic Development, [Apulia Regional Government](#)

AEROSPACE IN SARDINIA AND ITS UAV TEST RANGE

12.35 – 12.45 Giacomo CAO, [Sardinia AeroSpace District \(DASS\) Scarl](#), Chairman of the Board of Directors and Legal Representative

With a turnover of 15 billion (Euro) and a workforce of over 50,000, the Italian aerospace and defence & security industry ranks 7th in the world and 4th in Europe and represents the largest manufacturing sector in Italy in the field of high-tech integrated systems. Thanks to the quality of R&D and human resources and the large availability of suppliers (there are aerospace clusters in Piedmont, Lombardy, Emilia Romagna, Lazio, Sardinia, Umbria, Apulia and Campania), Italy represents the perfect location for aerospace companies. Incentives are provided by national and regional policies to support investments. InvestInItaly, a project based on a cooperation between the public Italian agencies: Italian Trade Agency and Invitalia, promotes business opportunities in Italy and helps foreign investors, through a portfolio of services, to establish or expand their business in the country.

**14:00-14:30 Digitalization & Security of European Aerospace and Defense Supply Chain : how BoostAeroSpace brings standards to the Industry**

[Patrick FANGET](#), [AIRBUS Senior Vice President](#), [BOOSTAEROSPACE CEO](#)

BoostAeroSpace SAS, was founded almost 10 years ago by Airbus, Dassault Aviation, Safran and Thales, and is the digital hub for collaboration and security of data exchanges within the Aerospace & Defense European industry. Our main mission is to implement standards, secured and collaborative tools and services to increase competitiveness and security of the global Aerospace Supply Chain. When digitalization has become a key lever to accelerate and improve business performance, it is also a success factor to facilitate collaboration among customers and suppliers. BoostAeroSpace acts as an enabler of this collaboration and standardization of processes and digital solutions.

**14:35-15:05 CNS – Centre for Near Space Thesis Awarding**

[Piero MESSIDORO](#), [Senior Technical Expert](#), [PIEMONTE AGENCY](#)

CNS stands for Center for Near Space a no-profit organization part of the Italian Institute for the Future that has the objective to promote the knowledge of the Space as the Fourth element for the humanity.

By means of studies and initiative it would like to advance the large public familiarization with Space challenges and technologies in view of the future Space colonization.

Themes as new Space architecture and innovative stations, new transportation spaceplanes, additive manufacturing in Space, fully regenerative life support concepts, crew collaborative robotics and artificial intelligence in Space, are examples of its areas of investigation.

In this context CNS launched early 2019 inside the Italian Aerospace major Universities a call for Thesis exploiting above themes.

The first two Thesis have been completed in Piemonte Region through a collaboration between Politecnico di Torino, Thales Alenia Space and the small company Ellena specialized in Additive Manufacturing. The two corresponding CNS Awards will be assigned to the Politecnico di Torino MS graduated students which exploited respectively Additive Manufacturing on ground and in Space and a new Condensing Heat Exchanger solution for regenerative Life Support Systems manufactured using AM Techniques.

Both prototypes will be also shown in the A&DM Piemonte Agency exhibition area.

- 15:10-15:40 **Canadian Aerospace Industry at a glance**  
 Matteo PICARIELLO, Head of the [ITALIAN TRADE AGENCY IN CANADA](#)  
 Canada is one of the global leaders in the aerospace industry. This session will present the results of ITA 2019 survey on key trends, purchase criteria and perceptions of Italian aerospace firms.
- 15:45-16:15 **Additive Manufacturing Maturity, Evolution and Perspectives**  
 Mauro VARETTI, Senior Technical Expert, [PIEMONTE AGENCY](#)  
 The advantages and the capability of the Additive Manufacturing Technology have been thoroughly discussed in a lot of dedicated seminars and round tables in the past years.  
 Medical (prosthesis), Aerospace, Automotive (racing) and Industrial Equipment found benefit when adopting this manufacturing technology in prototyping and in the small series production as well. Now is time to harvest the results obtained by the forerunners so far to extend the application to other parts, other fields and other materials and of course to other players. Increase the size and the complexity of the parts to be manufactured. Extend the concept of “Think additive” avoiding the replica of parts conceived for conventional manufacturing technology. Better understanding of the VALUE of a parts designed and produced ADDITIVE. Facing proactively with the issues of process qualification and product certification especially in the aerospace field. The business management must be deeply reengineered to exploit the capabilities and the opportunities that this technology can offer.

<p>14:00  <b>European Aerospace Cluster Partnership General Assembly (EACP GA)</b>          November 27 – 29, Turin, Italy Venue: Oval Lingotto          Via Giacomo Matté Trucco 10126 Torino</p>	 <p><b>EACP</b>          EUROPEAN AEROSPACE          CLUSTER PARTNERSHIP</p>
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