

INVEST  
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## WORLD MANUFACTURING WEEK 2020

Manufacturing: Why Invest in Italy

Italian Regional Manufacturing excellence presented at the WMW by ITA –  
Italian Trade Agency in collaboration with Invitalia

10<sup>th</sup> November 2020

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PIEMONTE  
THE PLACE TO INVEST

ITALY

# Shared competencies in Piemonte advanced manufacturing sectors

*Giulia Marcon, Regione Piemonte,  
Head of International Affairs dpt.*



# KEY FACTS AND FIGURES

## POPULATION

**4.4 m.**

(7,3% OF THE NATIONAL TOTAL)

## PEOPLE LIVING IN TORINO AREA

**2.3. m**

(52% OF REGIONAL TOTAL)

## GDP

**€ 127 bn**

(7.8% OF NATIONAL TOTAL)

## OVER

**1K Towns**

AND 8 MAIN CITIES

## EXPORT

**€ 47.9 bn**

(11,1% OF NATIONAL TOTAL)

## COMPANIES

**436.043**

(7,2% OF NATIONAL TOTAL)

## PIEMONTE RANKS

**4<sup>th</sup> in Italy**

FOR EXPORT QUOTA

# LOCATION ADVANTAGES



- + **22 airline companies** Charter flights to 37 destinations
- + **Over 400 direct flights** every week to 12 national cities and 21 international destinations
- + Half an hour away from Torino city centre

## The city of Torino is located...

- + 150 Km from the **port of Genova**
- + 100 Km from the **port of Savona**
- + 50 min from **Milano-Malpensa intercontinental airport**: 185 destinations in 76 different countries

# AUTOMOTIVE & TRANSPORTATION SECTOR

## Facts & figures

- + Over 1,000 companies
- + 94,000 employees
- + € 19 bn turnover
- + 50% of turnover from foreign markets

## Innovation paths

- + Predictive driving
- + Autonomous driving
- + Collective mobility (e.g. car sharing)
- + Industry 4.0 (Big Data, Analytics, Additive Manufacturing, MMI)
- + Hybrid propulsion
- + Safety (vehicle & infrastructures)
- + Mobility - aimed services
- + Comfort/health
- + Connectivity
- + Energy efficiency
- + Hydrogen railway engine

## Some Key Players



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@VTM

VEHICLE & TRANSPORTATION TECHNOLOGY INNOVATION MEETINGS



Conference



Webinars



Online Meetings



Virtual Exhibition

#VehicleMeetings

italy.vehiclemeetings.com

TORINO AND ONLINE • SEPTEMBER 16/17 | 2020

## A NEW SCENARIO AS DRIVING FORCE

The place to explore the most important themes, trends and technologies that are transforming the automotive and transportation sectors today and provide you with exclusive industry contents.

## Facts&Figures of 2020's edition

60 buyers

135 suppliers

117 companies exhibiting in virtual expo

20 countries represented

1100 b2b meetings

1 plenary conference

12 webinars (live and recorded)

50 speakers

4000 visualization

HOST SPONSORS

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UPO  
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AMMA

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TORINO

torinoWIRELESS

LOCAL PARTNERS

**VTM 2ND EDITION: 30-31 MARCH, 2021**

**<https://italy.vehiclemeetings.com/>**

# AEROSPACE SECTOR

## Facts & figures

- + 1 Aerospace Cluster (DAP – Distretto Aerospaziale Piemonte)
- + 280 companies
- + € 3,9 bn turnover
- + 14,800 employees
- + 17% of national export
- + 26% of exports directed to the USA

## Innovation Paths

- + Aerospace propulsion
- + Space systems
- + Components, systems & subsystems
- + Test and control equipment
- + Satellites
- + Aircraft manufacturing
- + Defence vehicles & systems
- + Engineering
- + Avionics
- + Software creation consultings
- + UAV/UAS/OPV



## Some Key players



# AEROSPACE&DEFENSE MEETINGS TORINO

The graphic features the event title 'AEROSPACE & DEFENSE MEETINGS TORINO' at the top. Below it are four images: a conference room, an aircraft engine, a business meeting, and a satellite. A central blue box says 'TORINO ITALY November 26-27 2019'. Text below reads 'The 7th international business convention for the aerospace industry in Torino' next to a map of Italy. At the bottom, it lists 'Industrial Supporter LEONARDO' and 'Conferences One-to-One Meetings Workshops'. The footer includes 'HOST SPONSORS' (REGIONE PIEMONTE, TORINO CHAMBER OF COMMERCE, INDUSTRY CLUSTERS AND ASSOCIATIONS), 'IN COOPERATION WITH' (Piemonte Sviluppo, ITA), and 'SUPPORTED BY' (Aeroporti Italiani, INAO).

*Turin, November 31 – December 1, 2021*

- 8th edition
- The **only** international business convention for aerospace and defense in Italy

## Facts&Figures of last edition (2019):

- **900** participants
- **35** countries represented
- **7.500** one-to one meetings
- **+ 60%** buyers comparing previous edition (2017)

<http://torino.bciaerospace.com/>



# SMART MANUFACTURING SECTOR

## Facts & figures

- + 1,700 companies
- + 80 big companies
- + 2 Innovation hubs on Smart Manufacturing and ICT
- + 1 Competence center on Advanced Manufacturing
- + 2 Business incubator focused on related fields

## Innovation paths

- + Industrial Internet of Things (IIoT)
- + Additive manufacturing
- + High performance manufacturing
- + Digitization of production processes
- + Process innovation
- + Virtual and augmented reality

## Some Key Players

**DENSO**

**SKF**



**FIDIA**  
Giving shape to design

**STRON**

# COMPETENCE INDUSTRY MANUFACTURING 4.0

**Goal:** bringing the development of new products to a level of technological maturity close to market.

## 5 Pilot Lines:

- Additive manufacturing for advanced intelligent manufacturing.
- Additive manufacturing for **AUTOMOTIVE**
- Additive manufacturing for **AEROSPACE**
- Virtual simulation and digital twinning for the different industrial sectors.
- Enterprise 4.0 Academy (Training for new professional figures)
- **Investment:** 7.5 million €

## The 24 members:



# MANUFACTURING TECHNOLOGY CENTER

- **5 promoting Institutions:** Regione Piemonte, Politecnico of Torino, Chamber of Commerce of Torino, Municipality of Torino, University of Torino.
- **Field of activity:** applied research, professional training, innovation, technology transfer.
- **Main opportunities:** cooperative research between companies, universities and R&D Centers; technology demonstrators; continuous training, laboratories for “proof of concept” prototypes.
- **Located in TNE (Torino New Economy) area,** next to the Competence Industry Manufacturing 4.0
- It will be **operational in 3 years**

**Investment:** 38 million €



Credits: Saverio Lombardi Vallauri

# THE CITY OF AEROSPACE

*A place where the technological-industrial excellence of the big companies of the territory merges with the Academia to create an eco-system open to the development and subsequent integration with the SMEs and start-ups to promote the development of the sector's innovation supply chain.*

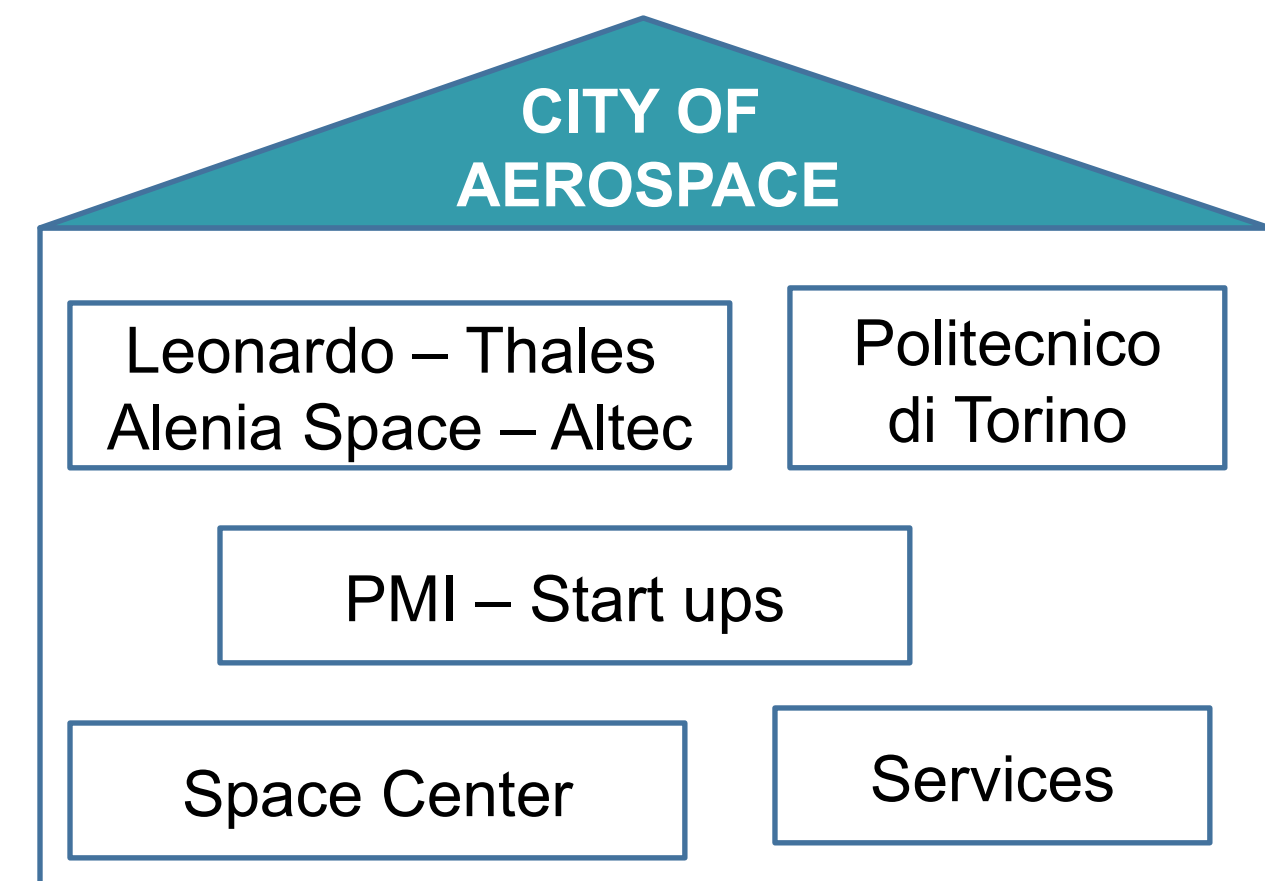
**Promoting Institutions/Companies:** University Politecnico di Torino, Leonardo, Thales Alenia Space, Altec

**Supporting Institutions:** Regione Piemonte, Metropolitan City of Torino, City of Torino, Distretto Aerospaziale Piemonte, Italian and European Space Agencies, Leonardo Foundation

**Investment:** 105 million €

## 5 MAIN PILLARS

- Continuous presence of the **big aerospace industry**, with its know-how and incessant activity of R&D;
- Co-settlement of the **Faculty of Aerospace Engineering of Politecnico di Torino**;
- Gradual setting-up of **SMEs** and creation of an **area for start-ups**;
- Creation of an educational museum complex (**Space Center**), the first one in Italy;
- Development of a **services area** open to the public.



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# THANK YOU

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