



THE ENGINEERING SECTOR IN ITALY



Italy is one of the **European and world leaders in mechanical engineering**, more commonly known as « industria metalmeccanica ». Boasting an expertise both traditional and highly technological, mechanics is **the key** of the national economy thanks to renowned industries – such as Fiat, Ferrari, Groupe Finmeccanica, Alenia, Groupe Piaggio, Ducati - and many small and medium-sized companies operating in subcontracting and innovation.

KEY FIGURES:

More than **60.000** companies

More than **1 800 000** employees (2nd country behind Germany in number of employees)

43 Billion in sales

53% of the national exports

THE AUTOMOTIVE SECTOR

The sector represents about **2.500 companies** and employs **170.000 workers**. Italy is the historic headquarters of the international supplier FIAT (become FCA GROUP), producer of the brands Alfa Romeo, Lancia, Maserati, Ferrari, Iveco, Irisbus, New Holland, Magneti Marelli, Comau and, since 2010, Chrysler (Dodge, Jeep...). FCA GROUP sold in 2016 528 189 vehicles, which represent 18.39% more than the previous year, in a sector that has generated €36.9 billion in sales.

The automotive industrial district is mainly focusing in Turin and the Piedmont region with the presence of FIAT and many subcontractors.

➤ The two wheeled vehicles

Italy is a historical producer of mopeds and motorcycles boasting brands recognized all over the world such as Vespa, Piaggio, Guzzini, Ducati, Aprilia, Benelli, Malaguti...

Production sites:

- *Pontedera (Pisa): 2 wheeled vehicles Piaggio, Vespa, Gilera, light transport vehicles, motors for scooters and bikes;*
- *Scorzé (Veneto): Aprilia and Scarabeo 2 wheeled vehicles;*
- *Mandello (Lecco): vehicles and engines Moto Guzzi ;*
- *Martorelles (Barcellona): vehicles Derbi ;*
- *Baramati (India): light transport vehicles for the Indian market;*
- *Vinh Phuc (Vietnam): Vespa scooter for Asian market*

THE AERONAUTICS AND THE AEROSPACE

Italy is a leading in the aerospace sector with an overall annual turnover of **€10 billion, 40 000 jobs** and €1.3 billion of annual expenditure on research and development.

There are 5 industrial districts:

- **The Piedmontese district:** <http://www.tpaflytech.com/>

This district includes **400 companies**, with **5 international aerospace contractors**: Thales Alenia Space, Alenia Aeronautica, Avio, Galileo Avionica and Microtecnica.

Production: avionic and electro-optical systems, systems for radars, spatial propellers, systems for scientific satellites and aircraft systems.

Applications civil transport, telecommunications and defense.

- **The Lombard district:** www.aerospacelombardia.it

Lombardy register **185 companies** operating in the aerospace sector, mainly located in the province of Varese, and which the most important are Alenia Aermacchi, Augusta Westland and Carlo Gavazzi Space.

Production: Training aircraft, Helicopters, satellites, integration systems, systems and equipment's, structures, mechanical components...

Applications: civilian transport, military and defense.

- **The District of Campania:** www.campaniaaerospace.it

Important role of FINMECCANICA for its major contractors: AIRBUS and BOEING for the realization of the 380 and 787.

Principal contractors: Alenia Aeronautica, Alenia Aeronavali, Avio, Carlo Gavazzi Space, Europea Microfusioni Aerospaziali (EMA), Magnaghi Aeronautica, Selex Sistemi Integrati, Ilmas, Piaggio Aereo, MBDA, Geven & Dema.

Production: Construction of complex aircraft components, maintenance and subcontracting of workpieces and equipment.

Applications: Aircraft assembly, civil and military transport.

➤ **The district Latial:** www.lazio-aerospazio.it

The district of the Lazio is composed of **250 companies** and has approximately **30.000 employees**.

Principal contractors: Finmeccanica (8 production sites), Telespazio, Alenia Aeronautica, Selex Sistemi Integrati, Thales Alenia Space, Eltag Datamat, Galileo Avionica, MBDA Italia, Augusta Westland.

Production: radar and satellite systems, manufacture of civil and military aircraft.

➤ **The District of Puglia:** www.apulianaerospace.eu

The district of the Apulia is composed of approximately **50 companies** which generate more than **€1 billion** of turnover and have **5.000 employees**.

Principal contractors: Alenia Aeronautica (Composite materials and carbon fibers for military and civilian use, fuselage sections for Boeing 787 Dreamliner), Alenia Aereonavali (transformation of passenger aircraft into cargo aircraft), Avio (military engines), Augusta (metal structures and helicopter maintenance).

Production: Equipment's, heat treatment of aluminum and steel, components of composite materials, inspection of quality control, assembly and installations, components and electronic and control systems, aircraft interiors, electronic.

Benchmark fairs:

MECSPE: Specialized Mechanics Trade Fair - www.mecspe.com

Dates: 28-30 March 2019

Place: Parma

BIMU: Mechanical exhibition: machine tools, robotics, automation - www.bimu-sfortec.com

Dates: 9-13 October 2018

Place: Milano

AEROSPACE & DEFENSE MEETINGS: Aerospace and Aeronautics Exhibition – www.aerospacemeetings.com

Dates: 27-28 November 2019

Place: Torino

Sources:

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<http://www.fiom-cgil.it/web/attachments/article/3022/dati%20metalmeccanici.pdf>

LA REPPUBBLICA, "Mercato auto 2016, a dicembre ancora crescita: +13,06%", Vincenzo Borgomeo, published on 2 January 2017

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