Excellence

ITALIAN MAIN PRODUCTIVE SECTORS

INNOVATION

CULTURE

TRADITION

QUALITY

CREATIVITY

SUSTAINABILITY
Since the Renaissance, Italy has been renowned worldwide for its creativity and style, distinctive qualities still shaping its reputation at global level.

But Italy is much more than a cultural superpower. It is home to widely appreciated fashion brands and exquisite food. It is also a world leader in many other important sectors, such as machineries, wood industry, infrastructure and mobility, industrial design, cosmetics, pharmaceuticals and aerospace technologies, just to name a few.

This upgraded edition of "Italian Excellence" comes in the aftermath of the COVID-19 pandemic, which speeded up global processes and trends such as the "twin transitions", green and digital. Also in the fields of renewable energies, recycling, circular economy and sustainability, Italy holds a prominent role worldwide.

The unique combination of tradition and innovation, search for quality and excellence, care for human relations and respect for the environment - the "Made in Italy" in its very essence - allows our Country to succeed in the challenges ahead. Italy’s excellences spread over many fields and productive sectors, sometimes unknown or underestimated.

I am confident that this publication will provide foreign institutions and investors, companies and people interested in our Country, with a better understanding of the widespread array of Italy’s capabilities.
ITALIAN MANUFACTURING EXCELLENCE
ITALY is the world’s second most competitive country in the manufacturing sectors*.

* According to the Trade Performance Index 2019
Italy ranks 4th among G20 Countries for its trade surplus (2020).

Among the TOP100 luxury goods companies in the world, 24 are based in Italy (first country worldwide). Over 2/3 out of these 24 companies operate in the «clothing and footwear» sectors.
SUSTAINABILITY AND CIRCULAR ECONOMY

Italy is leader in Europe for its efficient use of resources in manufacturing processes.
More than 345,000 Italian companies (about a quarter of the total) invest in the **green economy**, that is to say in products and technologies aimed at reducing the environmental impact, saving energy and containing CO₂ emissions.

We are the **1st country** in Europe for turnover per-capita in the field of products developed with biological processes (like bioplastics). Italy is, along with Germany, the **leading country** in Europe for secondary raw material recycled in the manufacturing industry.

Italian performance draws its strength from the very essence of the “Made in Italy”, capable of creating economic value from intangible assets such as design, innovation and quality.

**Italy ranks 1st among the top five EU economies** with the highest percentage of recycled waste (including urban, industrial and mineral) and efficient waste reduction: 43.2 tons per million euros produced. For every kilogram of resource consumed, our country generates (according to the purchasing power) 4€ of GDP.

**1st in Europe in terms of its rate of circular economy.**
18.5% of the total raw material consumption comes from secondary raw materials which is equivalent to saving 21 tons of oil and 58 tons of CO₂.

**2nd in Europe for efficient use of raw materials.** 307 tons of raw materials for every million euros produced.

**2nd in Europe for energy consumption per unit of product.**

Source: “L’Italia in 10 selfie” 2019 edited by Symbola

Source: “Rapporto sull’economia circolare in Italia 2019” edit by Circulation economy Network
AGRIFOOD

Italy is the most sustainable country in the agricultural and the first one in the world for food quality certification.
Italy is among the first 10 global exporters in the agri-food sector (first industry/sector of the country) with an added value per hectare higher than the other EU countries.

The food industry is one of the undisputed leading sectors of the Italian economy. The Italian food industry offers the highest standards in terms of safety and quality, combining both innovation and tradition.

The most exported food products are: wines and sparkling wines, fresh and dried fruit and vegetables, pasta, dairy products. Wine is the most exported product, 20% of processed products’ exports.

With over 200,000 companies, Italy holds almost a third of the Protected Designations of Origin in the world (822 out of approx. 3,000) amounting to €15 billion in production and €8.8 bn in exports.

Italy is the 1st European country for agri-food products recognized by the European Union as Geographical Indications and Designations of Origin.*

* For more details: https://dopigp.politicheagricole.it/en/home

Key data

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turnover (about 9% of GDP)</td>
<td>137 bn €</td>
</tr>
<tr>
<td>Employees</td>
<td>385,000</td>
</tr>
<tr>
<td>Companies (over) in the agri-food sector</td>
<td>56,000</td>
</tr>
<tr>
<td>Italian exports (on a total of 15 bn, 20% of exports)</td>
<td>8.8 bn €</td>
</tr>
<tr>
<td>Farms managed by under 35</td>
<td>55,331</td>
</tr>
</tbody>
</table>

Source: Symbola 2019

Organic producers in the EU, first countries, 2018 (absolute value)

<table>
<thead>
<tr>
<th>Country</th>
<th>Organic Producers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>70 thousand</td>
</tr>
<tr>
<td>Spain</td>
<td>39.5 thousand</td>
</tr>
<tr>
<td>France</td>
<td>36.7 thousand</td>
</tr>
</tbody>
</table>

Source: Fondazione Symbola, Italy in 10 Selfie, 2020
USEFUL LINKS

**Food & Beverages**

- [www.federalimentare.it - FEDERALIMENTARE](http://www.federalimentare.it)
- [www.filierta.it - FILIERA ITALIA](http://www.filierta.it)
- [www.aiipa.it - AIIPA](http://www.aiipa.it) - Associazione Italiana Industrie Prodotti Alimentari
- [www.assobibe.it - ASSOBIBE](http://www.assobibe.it) - Associazione Italiana Industriali delle Bevande Analcoliche
- [www.assobirra.it - ASSOBIRRA](http://www.assobirra.it) - Associazione dei Birrari e dei Maltatori
- [www.mineracqua.it - MINERACQUA](http://www.mineracqua.it) - Federazione delle Industrie delle Acque minerali e delle bevande analcoliche

**Dairy products**

- [www.assolatte.it - ASSOLATTE](http://www.assolatte.it) - Associazione Italiana Lattiero-Casearia

**Meat**

- [www.assica.it - ASSICA](http://www.assica.it) - Associazione Industriali delle Carni e dei Salumi
- [www.assocarni.it - ASSOCARNI](http://www.assocarni.it) - Associazione Nazionale Industria Commercio Carni e Bestiame

**Fruit and Vegetables**

- [www.fruitimprese.it - FRUITIMPRESE](http://www.fruitimprese.it) - Associazione Nazionale Esportatori Importatori Ortofrutticoli

**Olive oil**

- [www.assitol.it - ASSITOL](http://www.assitol.it) - Associazione Italiana Industria olearia

**Wine**

- [www.federvini.it - FEDERVINI](http://www.federvini.it) - Federazione Italiana Industriali Produttori Esportatori ed Importatori di Vini Liquori e affini
- [www.unioneitalianavini.it - UNIONE ITALIANA VINI](http://www.unioneitalianavini.it)

**Fisheries**

- [www.federpesca.it - FEDERPESCA](http://www.federpesca.it) - Federazione Nazionale delle Imprese della Pesca
- [www.ancit.it - ANCIT](http://www.ancit.it) - Associazione Nazionale Conservieri Ittici e delle Tonnare
ART AND ARCHITECTURAL RESTORATION

Traditional know-how and new technologies for the future of our common heritage
Italian culture is not only composed by grand museums or famous cultural sites, but **Italian heritage is also multi-faceted** as it comprises of archaeology, landscapes, traditions and historic locations.

One of the most prominent aspects of Italian Heritage is the vast array of hidden gems around the Country.

This rich cultural tapestry is managed by Italian professionals and specialists trained in several areas of expertise, such as engineering, chemistry, arts.

The sub-sector of architecture and restoration represents 51% of the entire cultural industry in Italy, most of its turnover comes from public investment (90%). This sector includes activities ranging from the analysis and diagnostics to specific production of compatible material for restoration.

New technologies have been developed to preserve and enhance historical and artistic sites.

Innovative technologies such as digital modeling and augmented reality are used to create new opportunities in historical sites and museums (such as highlighting contrast with the current reality on bringing objects or scenes to life), aimed at enhancing broader public access and improving the experience of cultural heritage sites, with a goal towards raising the respect and educating the public about the beauty of the past.
Art and Architectural Restoration

Key data

211,310 Listed historical items and venues

4,400 companies specialized in restoration and maintenance of listed architectonical sites

520 companies dealing with archeology and underground artistic excavation

167 bn € the total value of the activities related to cultural heritage recovery

Source: Assorestauro

USEFUL LINKS

www.arpai.org - ARPAI - Associazione per il Restauro del Patrimonio Artistico Italiano
www.ari-restauro.org - ARI-RESTAURO - Associazione Restauratori d’Italia
www.assorestauro.org - ASSORESTAUDO - Associazione Italiana per il Restauro Architettonico, Artistico, Urbano
www.confartigianato.it/come/categorie/artistico/ (restauro) - CONFARTIGIANATO IMPRESE

Spirito Santo Hospital – Lecce - Italy

Source: Assorestauro
ARTS, CULTURE AND TOURISM

First in the world for UNESCO Heritage World Sites
70% of the worldwide historic heritage is in Italy. Italy is the country holding the record for UNESCO World Heritage Sites with 58 sites in the 2021 list. In 2018, there were 123 million tourist arrivals in Italy with 426 million overnight stays.

Furthermore, Italy is the 2nd European country for number of overnight stays of non-EU tourists. In 2019, the most visited UNESCO Site is the city center of Matera. (photo in the previous page: Padua’s fourteenth-century fresco cycles).

USEFUL LINKS

www.associazioneaicc.it - AICC - Associazioni Imprese Culturali e Creative
www.unicat.it - ANICA - Associazione Nazionale Industrie Cinematografiche Audiovisive Multimediali
www.federculture.it - FEDERCULTURE
www.unesco.it - UNESCO ITALIA
www.associazioneturismo.it - ASSOTURISMO - Federazione Italiana del Turismo - Confesercenti
www.confindustriaculturaitalia.it - CONINDUSTRIA CULTURA ITALIA - Federazione italiana dell’industria culturale
www.enit.it - ENIT - Agenzia Nazionale Italiana del Turismo
www.federturismo.it - FEDERTURISMO CONINDUSTRIA - Federazione Nazionale dell'Industria dei Viaggi e del Turismo
https://museimpresa.com - MUSEIMPRESA - Associazione Italiana Archivi e Musei d’Impresa
The Cultural and Creative Industry (CCI) employs more than 1.55 million workers (6.1% of the total).

CCI exports represent 14% of the total (62 billion euro).

The driving sectors are: software (12%), design (4.3%), performing arts (2.5%), communication (1.2%) and promotion of the historic and artistic heritage.

In the audiovisual industry, Italy is: among the top 10 countries in the world for added value and third in Europe for productivity.
Italy is one of the main world car producers.
Italy ranks among the first countries with the highest percentage of industrial robots used in the automotive industry (9% of companies compared to a 7% European average).

Italy is an example of innovation in the sustainable mobility sector (in 2019 rechargeable cars registration accounted for 1.1% of the market).

Source: ANFIA - Associazione Nazionale Filiera Industria - 2019

Key data

- 93bn € turnover (5.6 of the Italian GDP)
- 44bn € exports
- 253,000 employees (7% of the entire manufacturing sector)
- 5,700 companies
- 1.79bn € in R&D expenditure

Source: Elaborazione Symbola; ANFIA - Associazione Nazionale Filiera Industria 2020

MAIN INDUSTRIAL DISTRICTS AND ASSOCIATION

Piemonte, Lombardia, Emilia Romagna, Abruzzo, Campania, Basilicata

www.anfia.it - ANFIA - Associazione Nazionale filiera industria automobilistica

www.ancma.it - Confindustria ANCMA - Associazione nazionale Ciclo motociclo accessori

Source: ANFIA - Associazione Nazionale Filiera Industria - 2019
COSMETICS

Italian cosmetics industries invest 6% of total turnover in innovation, research and development.
55% of make-up distributed around the world is produced by Italian contract manufactures.

Italian cosmetics industries invest 6% of total turnover in innovation, research and development, almost twice the national manufacturing industry average, estimated at 3%.

Export is the driving force behind the beauty industry: made in Italy cosmetics are increasingly renowned all over the world and constantly gain new market shares, as they are synonymous of quality, technology, safety and creativity.
Italy ranks second in Europe for turnover to GDP ratio in the design sector.
Italy shows remarkable competitive skills in the design field compared to the other main EU countries.

In Italy the design industry employs over 50,000 people, 16.6% of total number of design workers in Europe.

Milan has one of the highest concentrations of design schools in the world and more than 25% of companies working in the field of design.

In Italy 30,828 companies work actively in the design field (15.5% of the total in the EU). Italy is the leading country in terms of business density at national level.

USEFUL LINKS

www.adi-design.org - Adi - Associazione per il disegno industriale  
www.aipl.it - AIPi - Associazione italiana progettisti d’interni  
www.confindustriaceramica.it/site/en/home.html - CONINDUSTRIA CERAMICA  
www.assomarmomacchine.com/en/ - CONINDUSTRIA MARMOMACCHINE  
https://www.assorestauro.org/en - ASSORESTAUR - Italian association for architecture, art and urban restoration  
https://www.assoimmobiliare.it/ - CONINDUSTRIA ASSOIMMOBILIARE
FASHION

The fashion industry (textile, clothing, footwear) generates an added value of 24.2 billion euros.
The fashion industry represents 10% of the Italian manufacturing.

The fashion segment (textile, clothing, footwear) produces an **added value** of 24.2 billion euros.

"Made in Italy" is a fashion industry leader in Europe, both in terms of productions and of generated added value: **33.9% of the added value generated by the fashion industry comes from Italy**.

About 70% of Italian fashion exports (about 51 billion euros) come from ‘haute couture’, holding significant market shares: **16% in footwear** and **21% in leather goods**.

**MAIN INDUSTRIAL DISTRICTS AND ASSOCIATIONS**

**Clothing and Textile**
- Bari, Napoli, Empoli, Rimini, Brescia, Marche, Abruzzo, Gallarate, Carpi, Perugia, Montefeltro, Castel Goffredo, Salento, Como, Val Seriana, Biella, Arezzo, Prato, Schio-Thiene-Valdagno, Treviso

**Footwear**
- Montebelluna, Verona, Brenta, Bari, Casarano, Fermo, Lamporecchio, Lucca, San Mauro Pascoli, Vigevano, Napoli

**Jewelry**
- Arezzo, Valenza, Vicenza

**Leather**
- Arzignano, Solofra, Santa Croce sull’Arno, Tolentino, Arezzo, Firenze

**Eyewear**
- Belluno

Source: Fondazione Symbola, Italy in 10 Selfie, 2020
The Italian infrastructure industry is one of the most important and advanced in the world, in terms of technology, design, execution and management skills.
CONSTRUCTION
First in Europe for number of construction companies abroad

A3 Salerno – Reggio Calabria Highway - Italy
Stavros Niarchos Foundation Cultural Center - Athens Greece
Monte Ceneri Base Tunnel - Switzerland
Third Bosporus Bridge - Turkey

Amount of Contracts per Sector (% on Total Revenues)

Source: ANCE Foreign Report 2018

USEFUL LINKS
www.ance.it - ANCE - Associazione Nazionale Costruttori Edili
www.confartigianato.it/come/categorie/edilizia/ - CONFARTIGIANATO IMPRESE
www.federcepicostruzioni.it - FEDERCEPICOSTRUZIONI
Third in the world, after US and China, for number of firms with projects abroad

Over 60% of the total turnover is made outside Italy. Present in over 180 countries and in all 5 continents.

Source: ENR 2021, OICE Foreign Report 2021

USEFUL LINKS

www.oice.it - OICE - Associazione delle Organizzazioni di Ingegneria e Consulenza

DIGITALIZATION
GREEN
ENERGY TRANSITION
SUSTAINABLE MOBILITY
SUSTAINABLE MOBILITY

Italy is recognized worldwide as a reliable and competent partner in the field of mobility.

FS Frecciarossa 1000 in FS HS Reggio Emilia Railway Station

MILESTONE

• Safety
• Sustainability
• Efficiency
• Technological development
• Digitalization
• Education/training
• Environmentally friendly approach

MAIN ACHIEVEMENTS

ERTMS/ETCS level 2 signaling system: highest level of safety up to 300 km/h
Train Frecciarossa 1000: 360 km/h and almost 100% recyclable
Smart Stations: innovative way of rethinking mobility hub and services
Diagnostic train: High Speed train at 300 km/h for maintenance measures of the line
Smart Road and Pavement Management System: safety systems for roads & highways.

Key data

29,000 km - railway tracks (of which 1,500 high speed), with 9,000 train per day managed
235,000 km (about) - road network (roads & highways)
1,1 billion tons (about) - freight transported (2019)


USEFUL LINKS

www.agens.it - Agenzia Confederale dei Trasporti e Servizi
www.anav.it - Associazione Nazionale Autotrasporto Viaggiatori
www.federturismo - Federazione Nazionale dell’Industria dei Viaggi e del Turismo
MACHINERIES

Among the top world leaders for trade surplus and for technological standards
Italy is among the top world leaders in trade surplus and for its high technological standards.

Italy is the fifth country in the world for machineries’ exports.

Machineries is the first sector of Italian export (18% of total exports - 2019).

Key data

5,150 companies in the machineries sector
193,750 global employment
48.3 bn € turnover
67% of the total production exported
80 bn € exports
50 bn € trade surplus

Source: Osservatorio Economico - Federmacchine 2020

MAIN INDUSTRIAL DISTRICTS AND ASSOCIATIONS

Brescia, Bergamo, Varese, Vicenza, Lecco, Mantova, Bari, Trentino Alto Adige, Padova, Verona (THERMO-MECHANICAL), Parma (FOOD), Reggio Emilia, Modena (AGRI), Vigevano (LEATHER), Rimini, Pesaro (WOOD), Bologna (PACKAGING), Biella (TEXTILE), Piacenza (TOOLS), Udine, Pordenone

www.anima.it - ANIMA - Confindustria meccanica varia
www.federmeccanica.it - FEDERMECCANICA - Federazione Sindacale dell'industria Meccanica Italiana
www.federmacchine.it - FEDERMACCHINE - Federazione Nazionale delle Associazioni dei Produttori di Beni Strumentali
www.aidam.it - AIDAM - Associazione Italiana di automazione meccatronica
www.acimall.it - ACIMALL - Associazione costruttori italiani macchine e accessori per lavorazione legno
www.acimga.it - ACIMG - Associazione costruttori italiani macchine per l'industria grafica e cartaria
www.acimit.it - ACIMIT - Associazione costruttori italiani macchinari per l'industria tessile
www.amaplast.org/it - AMAPLAST - Associazione nazionale costruttori di macchine e stampi per materie plastiche e gomma
www.assomac.it - ASSOMAC - Associazione nazionale dei costruttori italiani di macchine ed accessori per calzature, pelletteria e conceria
www.assomarmomacchine.com - CONINDUSTRIA MARMOMACCHINE - Associazione italiana marmomacchine
www.confartigianato.it/come/categorie/meccanica/ - CONFARTIGIANATO IMPRESE
www.federunacoma.it - FEDERUNACOMA - Federazione nazionale costruttori macchine per l'agricoltura
www.gimav.it - GIMAV - Associazione italiana fornitori di macchine ed accessori per la lavorazione del vetro
www.ucima.it - UCIMA - Unione costruttori italiani macchine automatiche per il confezionamento e imballaggio
www.ucimu.it - UCIMU SISTEMI PER PRODURRE - Associazione costruttori italiani macchine utensili, robot e automazione
Italy is among the top five exporting countries in the world, following China, USA, South Korea and Germany. The pressure equipment sector is a heavy industry branch, which activities are related to the design and manufacturing of process equipment such as tanks, machines, heat exchangers, boilers, pressure vessels, reactors for chemical, petrochemical, Oil&Gas and Energy industries. Over the years, the companies in the sector have acquired the highest level of complex technological knowledge to fabricate high quality products for the international market.

It is therefore a vital sector and a source of sustainability for the Italian system, since it significantly contributes to the trade balance.

For more information, visit www.aipe.it - AIPE - The Italian Association of Pressure Equipment's manufacturers.
MARINE INDUSTRY

Italy is leader of the shipbuilding sector.
NAUTICAL INDUSTRY

Italy ranks 1st in the world for superyachts production (49.6% of the superyachts’ world orders) with 407 boats under construction in 2021 out of a total of 821 globally.

In pleasure boating, Italy is unrivaled: in terms of trade balance, with revenues reaching almost two billion dollars (1.9), ahead of

The Netherlands (1.7 billion), the United Kingdom (831 million), Germany (792 million) and Mexico (689).

CRUISE SHIPS

Italian cruise shipbuilding is a world leader, serving the biggest operators of the sector. The industry counts 20,000 workers and creates around 180,000 jobs worldwide.

More than 100 cruise ships delivered since 1990

1 in 3 cruise passengers sails on ships built in Italy

Next achievements:
• the contribution to the global cruise industry will reach 144 ships.
• a transport potential of over 14 million passengers per year.
• 40 vessels to be delivered.

MAIN INDUSTRIAL DISTRICTS AND ASSOCIATIONS

Liguria, Veneto, Friuli Venezia Giulia, Toscana, Campania

www.assonave.it - ASSONAVE - Associazione nazionale industria navalemeccanica
www.assonautica.it - ASSONAUTICA ITALIANA
www.confitarma.it - CONFITARMA - Confederazione Italiana armatori
www.assarmatori.eu - ASSARMATORI
www.confindustrinautica.net/en/ - CONFOUNDUSTRIA NAUTICA – Italian Marine Industry Association
Italy is the second healthiest country in the world*

* According to the Blumberg Global Health Index 2021
Italy is leader in the EU for pharmaceutical production and first for export growth in the last 5 years.

Despite the pandemic crisis, in 2020, Italian export in pharmaceutical articles increased by +3.8%.

Key data

58 bn € turnover in the life sciences industry

+17% patent applications (European Patent Office) for pharmaceutical, biotechnologies and medical technologies (+6% the world average)

R&D 4th in the world for scientific publications on Covid-19 in 2020 (first among EU countries)

Source: Farmindustria 2021
RENEWABLES

Italy holds a prominent role worldwide in the field of renewable energy
Italy ranks 1st in Europe for share of renewable energy in the gross domestic consumption (17.4%), ahead of Spain (17.3%), France (16%), Germany (14.8%).

According to the University of Oxford, Italy ranks 2nd in the world for the export of green products.

Key data

290.1 bn € of turnover
185,600 employees of energy companies

Italian records in the production of technologies applied for renewables:

23 bn € total turnover
60,000 employees
6th in the world for export of renewable technologies

4.7 bn € the Italian export in the last 5 years

120 companies from hydrogen supply chain with 7 bn € of turnover

Source: Fonte Centro Studi CoMar - Intesa San Paolo, 2021
Italy’s skilled workforce offers a better cost performance compared to other European countries.
36 Italian universities are among the top 1,000 world universities (2020). Italy is the 7th most represented country in the world and 3rd in Europe according to the QS World University Rankings. Italian universities are constantly increasing their position in the ranking among the top world best universities and Italy remains a well-established center of absolute excellence for advanced studies and quality teaching. **Fourth in Europe** for its public University System and **fifth in the world** for most quoted academic publications.

The **University of Bologna** is the most appreciated by the international academic community, followed by **Sapienza University**. The **Politecnico of Milan** is the highest valued by international recruiters. **Bicocca University** in Milan is the first in Italy and 115th in the world for citations per Faculty, the indicator measuring the influence of the research produced, followed by the **University Federico II** of Naples. The **University Vita-Salute San Raffaele** is the first in Italy and thirty-seventh in the world in terms of teachers-students ratio, followed by the **University Cattolica del Sacro Cuore**. The **Libera Università di Bolzano** ranks first in Italy for number of international professors and, finally, the Politecnico of Milan for the percentage of international students.

300,000 students graduate from Italian universities every year. Taking into account 10% of the most quoted academic publications, Italy ranks third in Europe and fifth in the world (Istat-Italian Statistical Data Institute).
USEFUL LINKS

Universities (*)

www.crui.it - CRUI - Conferenza dei Rettori delle Università Italiane
www.polimi.it/en/ - Politecnico di Milano
www.santannapisa.it/en - Sant’Anna School of Advanced Studies - Pisa
www.unibo.it/en/homepage - Alma Mater Studiorum - Università di Bologna
www.uniorama1.it/en/pagina-strutturale/home - Sapienza Università di Roma
www.sns.it/en - Scuola Normale Superiore di Pisa
www.unipd.it/en/ - Università degli Studi di Padova
www.unimi.it/en - Università degli Studi di Milano - La Statale
www.polito.it/index.php?lang=en - Politecnico di Torino
www.unin.it/en - University of Trento
www.unipi.it/index.php/english - Università di Pisa
www.unina.it/en_GB/home - Università di Napoli - Federico II
www.unifi.changelang-eng.html - Università di Firenze
www.ucss.it/ - Università Cattolica del Sacro Cuore - Milano
https://en.uniroma2.it/ - University of Rome Tor Vergata
https://en.unito.it/ - Università di Torino
wcm-3.unipv.it/site/en/home.html - Università degli Studi di Pavia
https://en.unimib.it/ - University of Milano - Bicocca
https://unige.it/en - Università di Genova
https://en.unisi.it/ - Università di Siena
www.units.it/en - University of Trieste
www.unive.it/pag/13526/ - Ca’ Foscari University of Venice
www.international.unimore.it/ - Università degli Studi di Modena e Reggio Emilia
www.unipd.it/en/ - Università degli Studi di Perugia
https://en.unibs.it/ - Università degli Studi di Brescia
www.poliba.it/ - Politecnico di Bari
www.unict.it/en - Università degli Studi di Catania
www.unife.it/it/internazionale - Università degli Studi di Ferrara
https://web.unisa.it/en/home - Università degli Studi di Salerno
www.uniud.it/en/uniud-international?set_language=en - Università degli Studi di Udine
www.uniroma3.it/en/ - Roma Tre University
www.unipa.it/mobilita/en/ - Università degli Studi di Palermo
www.uniba.it/english-version/university-of-bari-aldo-moro - Università degli Studi di Bari Aldo Moro
https://en.unipr.it/ - Università di Parma
www.univr.it/en/home - Università di Verona

(*) best ranking according to the QS World University Rankings 2020
Italy is among the most automated Countries in the world and sixth in the world exports of industrial robots. According to the International Federation of Robotics chart, Italy ranks 8th among the most automated Countries in the world, with 185 robots every 10 thousand employees. It accounts for more than double the global average (74 units every 10 thousand employees).

In 2018 Italy ranked 7th for number of robots produced annually with 8,300 units.

Italian cyber security industry is worth 1,37 bn Euro. From 2017 to 2019 Italian companies producing cyber security solutions increased by 300%. In 2020 the sector counts counts 2,800 units and employs 23,300 workers.

USEFUL LINKS

Innovation and Research

www.cnr.it/en - Consiglio Nazionale delle Ricerche
https://home.infn.it/en/ - INFN - National Institute for Nuclear Physics
www.inaf.it/en?set_language=en - INAF - National Institute for Astrophysics
https://iit.it/ - IIT - Istituto Italiano di Tecnologia
www.humantechnopole.it/en_GB/home - Human Technopole
www.confindustriasi.it - Confindustria Servizi Innovativi e Tecnologici
www.cdpventurecapital.it - CDP Venture Capital Sgr - Fondo Nazionale Innovazione

Business Incubators - Digital Innovation HUB

www.i3p.it/en/ - I3P - Incubatore Politecnico di Torino
www.pollhub.it/en/ - POLIHUB - Innovation Districts & Startup Accelerator
www.torinowireless.it/?lang=en - TorinoWireless
https://nastartup.it/nastartup/ - Startup Ecosystem Accelerator - Napoli
https://startup.enel.com/it/innovation-hub/catania.html - Enel Innovation Hub & Lab Catania
www.intesasanpaoloinnovationcenter.com/en - Intesa Sanpaolo Innovation Center
Italy has been the second country in the world launching a civil satellite into the orbit.

Third contributing country to the European Space Agency (2019 ESA Budget).

Italy contributes to more than 40% of the International Space Station’s budget through the Agenzia Spaziale Italiana - ASI and companies from the private sector.

Among Italian artificial satellites, Prisma deserves particular mention: it is one of the most advanced ever built so far for its instrumental features. Italian radar Marsis identified a large saltwater lake 1.5 km underneath the red planet’s South Pole. It is the first discovery of water ever found on the Red Planet.

**USEFUL LINKS**

**Space, Aerospace and Defense**

- www.asi.it/en/ - ASI - Agenzia Spaziale Italiana
- https://aiad.it - AIAD - Federazione Aziende Italiane per l’Aerospazio, la Difesa e la Sicurezza

**Italian Technological Parks**

- www.apstl.it/en/home-2/ - The Italian Scientific and Technological Parks Network
- www.sardegnaricerche.it/attivita/parcotecnologico - Parco Scientifico e Tecnologico della Sardegna
- www.comonext.it/en/ - ComoNExt Innovation Hub - Lombardia
- www.carnaiindustrialpark.it/en/ - Carnia Industrial Park - Friuli Venezia Giulia
- www.great-campus.it/en/ - GREAT Campus - Genoa Research & Advanced Technology - Liguria
- https://polomeccatronica.it/en - The Mechatronic Industry in Rovereto - Trentino Alto Adige
- www.tecnopolo.it/tecnopolo-tiburtino-2/ - Tecnopolo Tiburtino - Lazio
- www.tecnopolo.it/tecnopolo-castel-romano-2/ - Tecnopolo Castel Romano - Lazio
WOOD INDUSTRY

Italy is second in the world for trade surplus and first for exports in this sector among European countries.
Italy is 2nd in the world for trade surplus: about 10 bn preceded only by China (85.3 billion) but ahead of Poland (9.7 billion), Mexico (6.8 billion), Vietnam (5.2 billion) and Germany (-3.5 billion).

First European exporting country in this sector: 30% of the total EU exports.

**MAIN INDUSTRIAL DISTRICTS AND ASSOCIATIONS**

- Fabriano, Pesaro, Casalasco-Biadense, Brianza, Alto Adige, Bassano, Livenza e Quartier del Piave, Alta Valle del Tevere, Quarrata, Burgia, Forli, Bovolone, Abruzzo, Manzano, Treviso, Venezia, Calangianus
- **www.federlegnoarredo.it** – FEDERLEGNOARREDO
- **www.confartigianato.it/come/categorie/legno-e-arredo/** – CONFARTIGIANATO IMPRESE
- **www.acimall.com/en/** – ACIMALL - Italian Woodworking Technology Association

**SHARE OF RECYCLED WOOD CHIPBOARDS OUT OF THE TOTAL, FIRST EU COUNTRIES, 2018 (% VALUES)**

- **ITALY** 93%
- **BELGIUM** 84%
- **DENMARK** 60%
- **GERMANY** 59%
- **FRANCE** 50%

Source: Fondazione Symbola, Italy in 10 Selfie, 2020