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IN ITALY

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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

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REGIONE
LAZIO

Invest in Lazio *Sectors of excellence*

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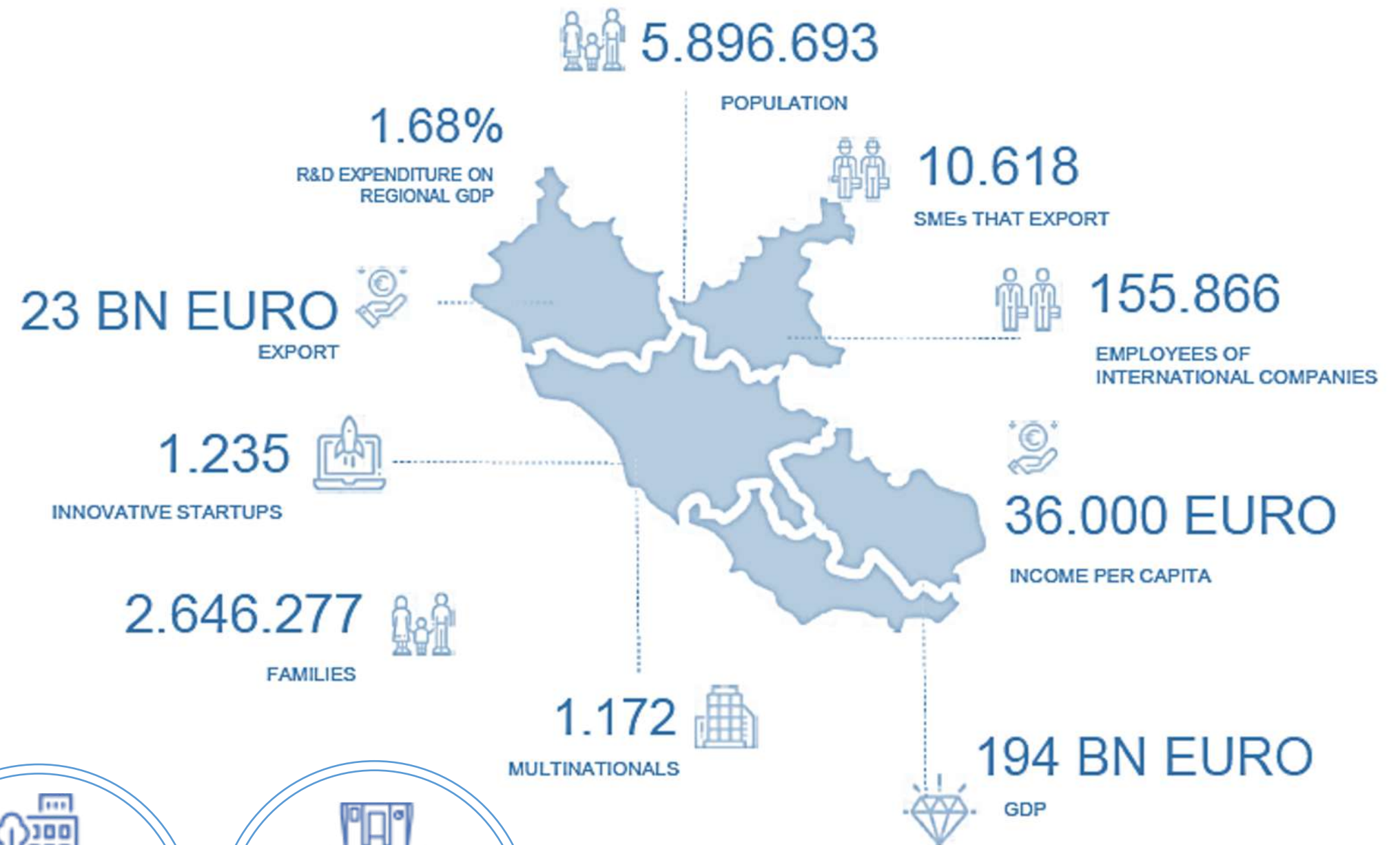
Lazio: Region of Rome, heart of Europe and center of the Mediterranean area

- ✓ Lazio boasts a geopolitical position of global importance: in the heart of Europe and at **the centre of the Mediterranean region**, a crossroads towards the Middle East and South-East.
- ✓ **Rome is the most visited city in Italy and one of the most visited in the world** (with over 20 million tourists per year), it is an high international attractiveness focus point.
- ❑ **2 International Airports** (Fiumicino and Ciampino, over **50 million passengers per year**)
- ❑ **Civitavecchia Port** is the major Italian touristic port and 7th in the world for number of **passengers (2 million per year)**
- ❑ **Main Highways:** A1 Milano-Roma-Napoli, A12 Roma-Civitavecchia; A24 Roma - L'Aquila



Lazio Region KEY Indicators

- ❑ The 2nd Italian Region for GDP: 194 billion euros - 11% of the Italian total amount (2018)
- ❑ One of the most important R&D systems in Italy
- ❑ Location for important industrial and multinational groups with their own R&D centres
- ❑ The Italian region with the highest level of manufacturing specializations in tech knowledge intensive sectors.



Sector of excellence: Aerospace, Security & Space Economy

LAZIO PLAYS A **SIGNIFICANT INTERNATIONAL ROLE** IN THE INDUSTRY OF AEROSPACE, AERONAUTICS, SPACE ECONOMY AND SECURITY, BOTH IN THE **MANUFACTURING INDUSTRY** AND FOR SPECIFIC SKILLS IN **TECHNOLOGICAL SERVICES AND R&D**

MAIN INDICATORS

- 250 companies
- 23,500 employees
- 5 billion euros turnover
- 1.6 billion euros of exports
- 10 Research Centres
- 5 Universities
- 3,000 R&D PhD & Specialists
- 6 Incubators, Accelerators Technology Parks

MAIN SPECIALIZATIONS

- Launchers (Vega, solid rocket motor for Ariane)
- EO, NAV & TLC satellites
- Micro nano sats constellations
- Space surveillance and tracking (SST)
- Manned and unmanned Space Exploration (incl. International Space Station)
- Safety & Security
- Air Traffic Management
- Homeland / Cyber Security



LAZIO AEROSPACE TECHNOLOGY DISTRICT (DTA) was built in 2004 by a Framework Agreement signed by Italy Ministry of Research and Lazio Region. In 2012, the DTA of Lazio was one of the founding partners of the Italian National Cluster for Aerospace Technology (CTNA).

Business Environment

LAZIO IS THE ONLY ITALIAN REGION WHICH HOSTS THE **WHOLE AEROSPACE VALUE CHAIN**. **IMPORTANT BIG GROUPS OF INTERNATIONAL EXCELLENCE IN ELECTRONICS, SENSORS, AVIONICS, COMPONENTS AND INNOVATIVE MATERIALS, “SPACE” AND SATELLITE APPLICATIONS AND SERVICES**, ARE HOST IN THE REGION. THE 85% OF THE BUSINESS LANDSCAPE IS MADE UP OF SMEs SPECIALIZED IN: ELECTRONICS, ICTs, ADVANCED MATERIALS AND AERONAUTICAL AND AIRPORT SERVICES. THE FACTORIES PRODUCE COMPONENTS FOR THE ARIANE AND VEGA LAUNCHERS, SATELLITES, RADARS AND EQUIPMENT FOR AIRCRAFT AND HELICOPTERS.

R&D NETWORK

THE **AEROSPACE INNOVATION ECOSYSTEM** host the major universities and research centers of big enterprises (multinational) and innovative SMEs, that provide: components, services and technical/industrial support. **It covers all areas from research to planning, from design to manufacturing and services.**

SITES AND BUILDINGS

- ❑ **ESABIC** (Business Incubation Centre) Lazio is a partnership among Lazio Region, ASI (Italian Space Agency) and ESA, and it is part of Innovation and Ventures Office (TIA-AI) of the European Space Agency.
- ❑ **Accelerators**: there are many public and private companies that offer incubation and business acceleration services, and host innovative startups and SMEs specialized in the field of space technologies (i.e. LUISS ENLABS, STARTUP BOOTCAMP).



Business Environment: Tiburtino Technology Park- TECNOPOLO SpA

The Tiburtino Technology Park mainly hosts **SMEs, startups and research centers** operating in the ICTs, Electronics Telecommunications and Aerospace & Space Economy. It is part of **Tecnopolo S.p.A.**, a public company created in 1995 with the aim to promote and improve the location and development of high-tech and innovative initiatives

- Presence of **key players** of the *aerospace* and defence industry
- **Innovative infrastructures** and **services**
- Strong links with **universities and research**

70
Hectares

Over 100
companies

AEROSPACE & DEFENCE COMPANIES

- ✓ [ADPM Drones S.r.l.](#)
- ✓ [ATEN IS Srl – Rete di imprese.](#)
- ✓ [Blue Thread S.r.l.](#)
- ✓ [Centrale Valutativa S.r.l.](#)
- ✓ [GEMAC ENTERPRISE NETWORK](#)
- ✓ [HTT – High Technology Transformers S.r.l.](#)
- ✓ [INTECH MICROWAVES S.r.l \(IMW\)](#)
- ✓ [Interconsulting S.r.l.](#)
- ✓ [Latitudo 40 S.r.l.](#)
- ✓ [PROSER S.r.l.](#)
- ✓ [PSI Progetti Speciali Italiani S.r.l.](#)
- ✓ [SDS S.r.l.](#)
- ✓ [Sigma Consulting S.r.l.](#)
- ✓ [SPACEEXE S.r.l.](#)
- ✓ [UrbyetOrbit Srls](#)
- ✓ [Wave Advanced Technology Applications S.r.l.](#)



Sector of excellence: Life Sciences

LAZIO IS THE 2ND ITALIAN HUB AND ONE OF THE MOST IMPORTANT IN EUROPE FOR THE LIFE SCIENCES INDUSTRY, WITH RELEVANT INTERNATIONAL PLAYERS AND HIGHLY INNOVATIVE LOCAL SMEs LINKED WITH THE NATIONAL PUBLIC RESEARCH NETWORK

MAIN INDICATORS

- 300 companies
- 22,000 employees
- 8 billion euro exports (40% of regional exports)
- 45 Biotech companies (about 10% of the total in Italy)
- 25.96% contribution to biotech turnover
- 26 specialized research centres
- 10,000 researchers
- 7,468 graduates in life sciences per year
- Innovation agreements: 200 Million euros for projects concerning R&D

MAIN SPECIALIZATIONS

- Pharmaceutical innovative drugs
- New vaccines (one of the most effective anti-Ebola vaccines is from Lazio) and bio-medical production
- Pre-clinical development of inhibitors for the treatment of solid cancers
- E-Health
- Medical devices



LAZIO HEALTH TECHNOLOGY CLUSTER (DTB) was built in 2008 and is one of the founding members of the Italian National Technological Cluster of Life Sciences ALISEI.

At the forefront of the COVID-19 response

Different **national and international players** have started a set of initiatives to lead the **COVID-19 response**:

SANOFI

- Partnership with GSK to develop a **COVID-19 vaccine**
- Investment in the site of **Anagni** for the **production of the vaccine**
- The company aims at a production of **1 bln doses by 2021** – a huge part will be produced in Anagni

IRBM - CATALENT

- AstraZeneca, the University of Oxford and **Irbm of Pomezia (Rome)** are developing a **COVID-19 vaccine**
- **Catalent** will take care of the **vaccine bottling** in its **production site in Anagni**
- It is expected that the production site will deliver **400 mln doses**

REITHERA

Biopharmaceutical company based in Castel Romano (Rome)

It has developed and produced a **COVID-19 vaccine**

In August 2020, the company has started the **Phase 1 clinical trial** along with the **INMI Spallanzani Hospital** (Rome)

MENARINI

- Partnering with **Tuscany Life Sciences Foundation** on the **MabCo19 project**
- Menarini's **biotech plant in Pomezia** (Rome) started the production of the new drug
- The drug consists of a mixture of **monoclonal antibodies that neutralise the SARS-CoV-2 spike protein**

INMI SPALLANZANI HOSPITAL

- ✓ An **international excellence** in terms of **clinical research**
- ✓ Among the first research institutes to **isolate the DNA sequence of the coronavirus** (February 2020)
- ✓ One of the **leading international centers in the COVID-19 response** – currently developing a vaccine with ReiThera: the GRAd-COV2

Business Environment: Castel Romano Technology Park – TECNOPOLO SpA

The **Castel Romano Technology Park** is one the main Italian centers for **applied research** and a **first-class location for your business**, it is connected to the most qualified national and international partners focused on health and life sciences. It is part of **Tecnopolo S.p.A.**, a public company created in 1995 with the aim to promote and improve the location and development of high-tech and innovative initiatives

- Presence of **key players** of the **life science industry**
- **Innovative infrastructures** and **services**
- Strong links with **universities** and **research**
- Main areas of expertise: advanced manufacturing, **Life Sciences**, new materials, green economy



TAKIS

- ✓ **Italian biotechnology company** based in Rome
- ✓ Part of the **Castel Romano Technology Park** ecosystem
- ✓ Partnerships with Rottapharm Biotech for the development of a **COVID-19 vaccine**
- ✓ In August 2020, Takis announced the start of the **Phase 1/2 clinical trial**



Sector of Excellence: Creative, Cultural and Digital industries

LAZIO HOME OF CULTURE, RESEARCH AND KNOWLEDGE: ACCORDING TO UNESCO, LAZIO IS HOME TO 50% OF ITALY'S HISTORICAL AND ARTISTIC HERITAGE AND ROME IS AMONG THE TEN MOST FAMOUS AND PRESTIGIOUS DESTINATIONS IN THE WORLD, WITH A UNIQUE ARTISTIC AND CULTURAL HERITAGE

MAIN INDICATORS

- 30.000 companies linked to cultural tourism
- 1.800 companies in the sector of cultural heritage
- € 1.3 billion is the value of creative industry
- 210.000 employees
- 1.400 Public researches in humanities and sciences
- 25 million visitors of museums and archeological sites
- 23 million of tourists per year

MAIN SPECIALIZATIONS

- Advanced immersive technologies
- Augmented reality, combined with storytelling techniques
- Conservation of archeological heritage
- Audiovisual and Film industry
- Video Game Industry
- Digital technologies for cinema, 3D animation, photography, television, music, theatre, publishing, utilities and applications on digital platforms



THE LAZIO CULTURAL TECHNOLOGICAL DISTRICT (DTC) contributes to the development of the cultural industry, increasing synergy among universities, culture and production in knowledge, conservation, restoration, enhancement and use of cultural heritage.

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THANK YOU

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Community of Innovators

Aerospace&Security: <https://www.linkedin.com/groups/8847462/>

Life Sciences: <https://www.linkedin.com/groups/8846745/>

Cultural&Digital Industries: <https://www.linkedin.com/groups/12308461/>

Blue Growth: <https://www.linkedin.com/groups/8948257/>