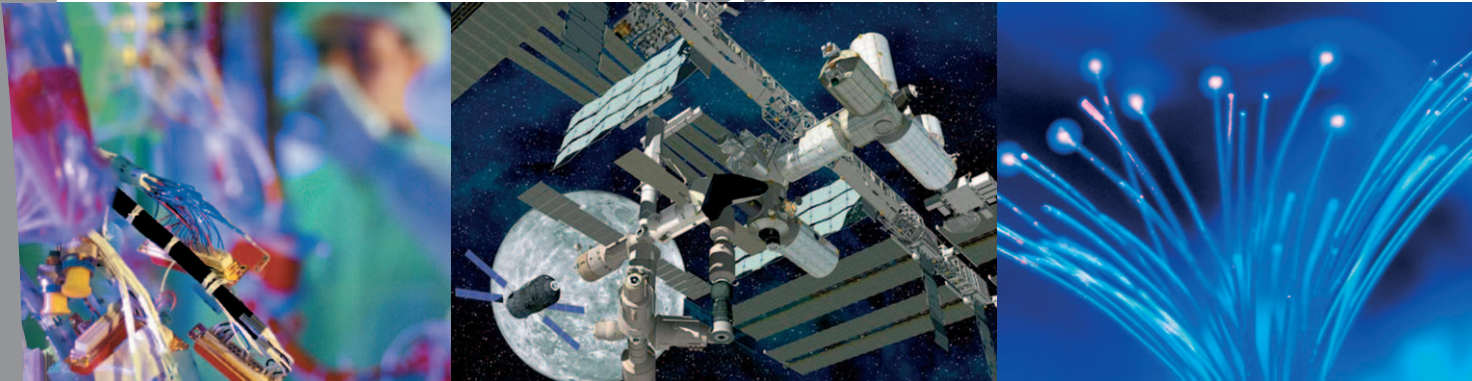


# Information Communication Technology



in Torino Piemonte  
*Northwest Italy*



CENTRO ESTERO INTERNAZIONALIZZAZIONE  
PIEMONTE *Agency for Investments, Export and Tourism*

Promoted by Regione Piemonte and Chambers of Commerce

# A favourable environment



## Piemonte facts & figures

- 4.4 million inhabitants
- € 119 billion GDP (more than 8% of the national total)
- € 37 billion exports of goods and services
- 1.7% of GDP invested in R&D (about 80% comes from the private sector)
- Over 200 public and private R&D centres, 380 laboratories, 4 universities, 6 science and technology parks
- 1st Italian region for private investment in R&D
- 1st Italian region for expenditure on innovation in the manufacturing sector
- 1st Italian region in terms of capacity for collaboration between universities and industries
- 1st Italian region to have established a regional agency dedicated to inward and outward investment
- 1st and unique Italian region to have created a dedicated financial tool for attracting and supporting FDI
- Torino 1st Italian city in terms of FDI inflows
- Torino second centre in Italy for venture capital operations
- Torino host city of Euroscience Open Forum - ESOF 2010

## Piemonte ICT sector

- 1st Italian region in terms of number of employees
- about 13,250 SMEs
- world class companies
- 20% of national patents
- public and private funding to support both research and the creation of new entrepreneurial initiatives
- Torino Wireless, the first technology district in Italy, links companies to R&D centres and to venture capital funds
- CSI-Piemonte, a unique ICT player in Europe in the domain of public services and the 15<sup>th</sup> largest Italian company in the ICT sector

## Telecommunications infrastructure

- total broadband coverage by 2008
- top-ix ([www.top-ix.org](http://www.top-ix.org)), the Torino Piemonte Internet Exchange, also integrating satellite technologies
- SkyPark ([www.skylogic.com](http://www.skylogic.com)), the Torino-based teleport, one of the leading satellite platforms for broadband and broadcast services

## Venture capital companies:

- **Piemontech**  
[www.piemontech.it](http://www.piemontech.it)  
the holding company of the Torino Wireless Technology District, provides venture capital to the most promising Piemonte-based companies operating in the field of information and communication technologies, biotechnologies, biomedics, advanced mechanics, energy, innovative and high value-added services.
- **Innogest Capital**  
[www.innogest.it](http://www.innogest.it)  
promoted by Torino Wireless and Ersel and managed by Innogest SGR, with € 80 million of committed capital is the largest early stage fund in Italy.

## Torino Wireless

[www.torinowireless.it](http://www.torinowireless.it)



is an ICT-based Technology District in Piemonte that brings together national and local public authorities, enterprises, universities and financial institutions in a shared system of values, strategies and actions to increase the area's competitiveness. The District's activities are coordinated by the Torino Wireless Foundation, a leading structure that steers R&D activities on ICT applications connected to market needs, with the aim of generating new business ventures and developing more positive spill-over effects. To favour the creation and growth of high-tech companies, Torino Wireless runs training and mentoring activities aimed to support technology innovation processes and foster internationalisation. Specific technology transfer projects from R&D centres to SMEs are fully financed by the Foundation that has created an ecosystem of public and private investors in innovation-based companies.



Piemonte Agency is the unique, free reference point for companies wishing to locate in Piemonte.

The inward investment team can advise you on every aspect of starting and running a business in Piemonte, providing assistance at every stage of the project.

The team also supports foreign companies which have already invested in Piemonte, in order to facilitate operations and development in the region.

## How we can help

- **assessment and information phase**
  - specific economic and market data
  - legal / labour / tax
  - incentives, grants, fiscal bonuses
  - economic and industrial climate, competencies, know-how and key sectors
  - skilled workforce, specialist training programmes
  - real estate
- **start-up and assistance**
  - advice on how to set up a legal entity in Italy
  - site selection for production, services and R&D activities
  - selection of grants and incentives for investment, R&D, training
  - introduction to local and regional institutions, science and technology parks, R&D networks, innovation hubs
  - links to universities and centres of excellence
  - pre-feasibility studies
  - Regional Investment Contract

Our services are free, responsive, tailored to your needs and totally confidential. We can provide assistance at every stage of your project.

For a confidential discussion about the ways we can help you, please contact:  
[investment@centroestero.org](mailto:investment@centroestero.org)



# The ICT sector in Piemonte: *a wide range of specializations*

- **Multimedia:** virtual reality, web design, multidimensional graphics, e-learning, IPTV, Content Management System, technologies with high potential growth
- **Security:** extremely interesting products and services answering the latest international demands. Companies can offer innovative solutions also on an aggregated level (video recorded surveillance, biometrical solutions, access control, software etc.)
- **ITS-Intelligent Transport Systems:** Piemonte tradition in car manufacturing and the number of enterprises active in this field have driven the development of strong competencies in the monitoring and management of mobility problems
- **ERP:** management solutions are points of reference for the regional entrepreneurial context. Many internationally renowned vertical products are made in Piemonte
- **Industrial automation:** this is one of the sectors where ICT companies answer the needs of the regional production plants by providing advanced solutions to support the automotive, aerospace, textile, agro-food and wine industries
- **Telecommunications:** service providers, data transport technologies, digital terrestrial television, broadband communication services
- **Finance:** quality and customised software and hardware solutions for financial and insurance groups
- **Hardware/Firmware development:** dedicated software and new business applications offer further possibilities

**The Think Up project** ([www.thinkupict.org](http://www.thinkupict.org)) promotes abroad a selection of best in class ICT companies from Piemonte



## **a highly prized system of R&D centres**

*The numerous private and public R&D centres and universities of Piemonte offer a network of top quality skills and facilities. Three major universities – Politecnico di Torino ([www.polito.it](http://www.polito.it)), Università di Torino ([www.unito.it](http://www.unito.it)), Università del Piemonte Orientale Amedeo Avogadro ([www.unipmn.it](http://www.unipmn.it)) – with over 100,000 students enrolled, provide the backbone to Torino-Piemonte's education system. The region's universities have a strong R&D base and a good track record of industry collaboration.*

### **Istituto Superiore Mario Boella (ISMB)** [www.ismb.it](http://www.ismb.it)

one of the most successful examples of synergies between universities and the industrial system, is an applied research centre in wireless technologies with about 250 researchers active in the synergic sectors of photonics, electromagnetic compatibility, fixed and wireless networks, e-security, satellite positioning systems, microelectronics and nanotechnologies, radiomobile technologies for multimedia systems and relevant applications and it expresses competencies in the fields of RFID, DTT, SWN and satellite receivers. The presence in the same area of researchers from the Institute, the



## Technology transfer

Science and technology parks together with business incubators contribute to the technology transfer system in Piemonte. The Virtual Reality & Multi Media Park ([www.vrmp.it](http://www.vrmp.it)), in particular, is specialized in digital creativity, the videogame industry, and simulation for the new generation of e-learning. Tecnogranda ([www.tecnogranda.it](http://www.tecnogranda.it)) develops ICT applications for traceability in the food supply chain.

### ILO Piemonte-Industrial Liaison Office

[www.ilopiemonte.it](http://www.ilopiemonte.it)

stems from a synergy project between Piemonte's universities for the transfer of technology and knowledge between academic research centres and businesses, with the objective of fostering high potential projects, to make the best use of the research results and help to transfer them, facilitating the encounter between companies' demand for innovation and what the academic world can offer, supporting the growth in competitiveness of firms operating in the region.



Politecnico di Torino and industrial partners makes it possible both to reduce the costs of research and cut the times to market. Several European and national projects as well as industrial cooperation initiatives are in progress.

### Avago Technologies

[www.avago.com](http://www.avago.com)

which was spun off from Agilent Technologies (formerly Hewlett-Packard), provides an extensive range of semiconductor components and subsystems for electronics, wireless, networking and imaging applications. Torino hosts the R&D labs of the Fiber Optic Product Division and the Manufacturing Pilot Line for Semiconductor Laser fabrication.

### National Institute of Metrological Research-INRIM

[www.inrim.it](http://www.inrim.it)

is the national public body with the task of performing and promoting scientific research in metrology. INRIM conducts studies and research on the realization of primary standards for the basic and derived units of the International System of units (SI). Inrim also performs research in many other fields.

### Institute of Electronics and Computer and Communication Engineering of the Italian National Research Council

[www.ieiit.cnr.it](http://www.ieiit.cnr.it)

conducts scientific and technological research in the field of ICT engineering together with national and foreign research centres and universities.

### Microsoft Innovation Center of Torino

[www.microsoft.com/italy](http://www.microsoft.com/italy)

is a Microsoft centre of excellence for research on "embedded" technologies housed in the Business Research Center of the Politecnico di Torino.

### Motorola Electronics

[www.motorola.it](http://www.motorola.it)

based in Torino is entirely dedicated to research and development. The Centre, today one of Motorola's leading centres of excellence, provides integrated design and development of hardware and software components and conducts interoperability tests. It has managed the entire development of some of the leading products in the Motorola catalogue.

### Technological Innovation and Research Centre (CRIT)

[www.crit.rai.it](http://www.crit.rai.it)

of the RAI-national broadcasting company supports the RAI Group in its technology choices and in the phases of experimentation and introduction of new products and systems. The Centre is active in many European and national projects and cooperates with universities and industries.

### Thales Alenia Space

[www.thalesgroup.com/space](http://www.thalesgroup.com/space)

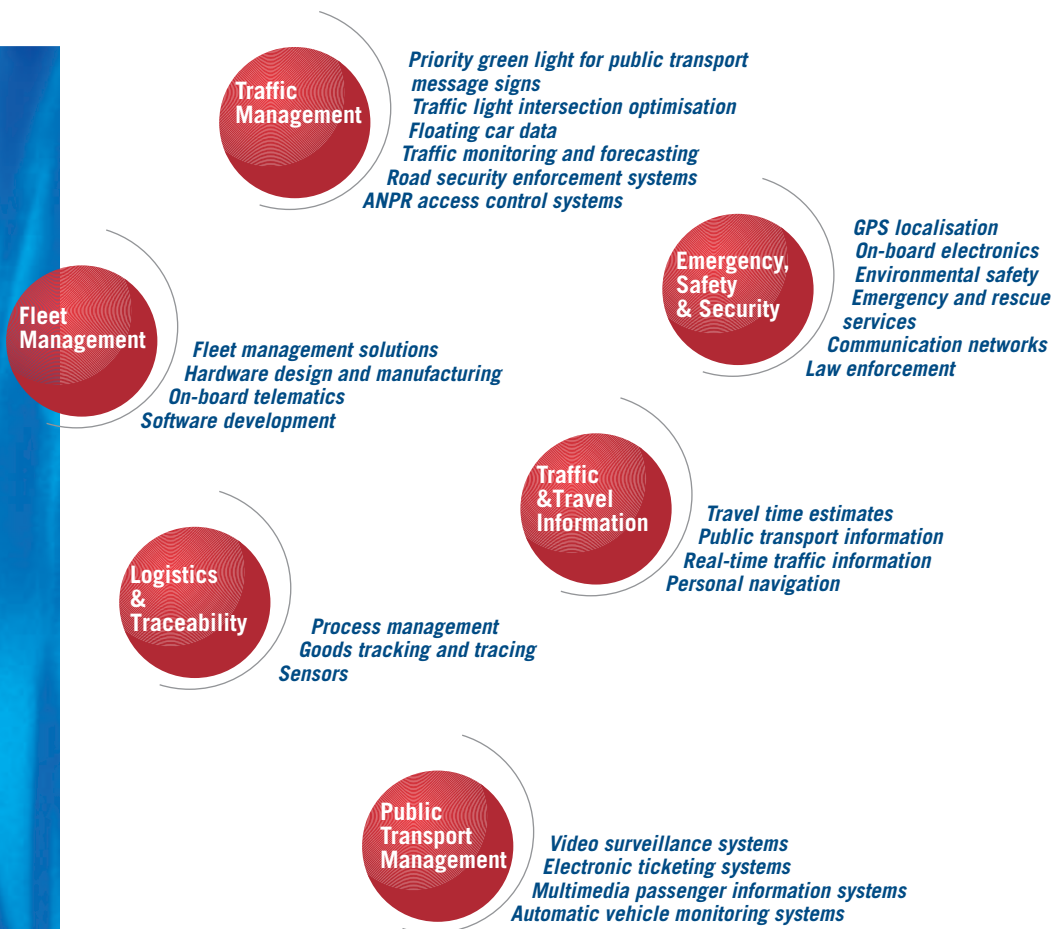
is the biggest space company in Italy and is the Italian branch of one of the leading European and worldwide space industries. The Torino facility – which hosts laboratories, clean rooms and production lines – over the last few years has contributed to 50% of the production of the key elements of the International Space Station.

### TILab

[www.telecomitalia.com](http://www.telecomitalia.com)

about 700 patents registered, has helped in the development of major successes including GSM, MP3 and optical transmission. It plans and develops fixed-line and mobile networks, engineers improvements to trunk networks, develops services and platforms, and conducts trials of next-generation terminal devices.

# Industrial sectors, world-class skills in Piemonte: *Intelligent Transport Systems*



## **Infomobility Promoting Committee**

### *Logistics and sustainable mobility*

set up by Piemonte Region, Province of Torino, City of Torino, Finpiemonte, to promote structural actions for a systemic approach to infomobility, support economic and industrial growth in the logistics, transport and ICT sectors, and foster the creation and development of SMEs in the infomobility industry

## **Projects and initiatives**

### *Regional mobility management system*

project aimed to develop and implement innovative mobility management systems, through the integration of local mobility management centres on a regional basis and using moving vehicles as "mobile traffic sensors" (floating car data)

### *Regional ticketing system - BIP*

project launched by Piemonte Region for the development of the regional ticketing system

### *GAL-PMI*

project funded by Piemonte Region and coordinated by Torino Wireless, with the goal to help set up a centre of excellence and high competence in technologies and services for the *Galileo satellite system*

### *Open Gate*

project aimed to create the know-how needed to realize and develop infomobility services focused on traffic congestion control and road pricing schemes

# Resources available

*for new investments in industry, research and services*



## ITS facts & figures

- over 150 public and private R&D centres and companies active in the ITS field in Piemonte
- over 30 research projects on ITS subjects being developed presently with the participation of at least one company or R&D centre (more than 20 million euro investment in the next 2-3 years)
- 2,000 skilled staff with competencies in the ITS and infomobility field
- historical tradition: since the 1980s Torino has been one of the leading cities in the world in devising an advanced system of traffic and public transport
- technical and entrepreneurial tradition: presence of FIAT Group, Iveco, Magneti Marelli and related activities
- Memorandum of Understanding between Torino and Munich to promote a European network for the standardisation and certification of solutions in the field of road mobility
- Infomobility Promoting Committee with members from all public authorities

## The Regional Investment Contract

The RIC is an innovative financial tool managed by Piemonte Agency, aimed to encourage the arrival and development in Piemonte of investments in industry, services and research from abroad.

*Beneficiaries:* small, medium and large companies wishing to locate an operating unit in Piemonte

*Sectors:* production of innovative goods and services, renewable energy

*Initiatives:* creation of new production or service facilities and headquarters, restructuring or conversion of an existing production plant or re-activation of inactive plants or facilities, creation of R&D centres, competency and design centres, laboratories; development of research projects

*Guarantees:* rapidity and certainty of timing for administrative procedures, investment support with grants or soft loans, commitment of the local authorities, universities and research bodies involved, the creation of infrastructures, the running of research activities in cooperation with the company, assistance in all stages of the project

For further information about the Regional Investment Contract, contact Piemonte Agency: [investment.contract@centroestero.org](mailto:investment.contract@centroestero.org)

## Incentives and grants

Resources are also available within the EU and regional financial framework 2007-2013

- POR (Regional Operational Programme) 2007-2013: over half the funds are dedicated to R&D and innovation
- Regional Law number 4/2006: aimed to support SMEs' R&D and innovation programmes
- Regional Law number 34/2004: aimed to support R&D and innovation especially for collaborative research, technology platforms and internationalisation

For further information on incentives and grants in Piemonte, please contact Piemonte Agency: [investment@centroestero.org](mailto:investment@centroestero.org)

## Innovation Hubs in Piemonte

Piemonte Region has launched a new financial measure aimed at the start up of eight Innovation Hubs. Food and agriculture, bio and biomedical technologies, sustainable chemicals, mechatronics, advanced production systems, digital creativity and multimedia, renewable energy, energy saving and sustainability, ICT and textiles are the sectors and technological frameworks identified by the Regional Executive together with the areas of reference, related to all the provinces. The creation of the hubs - made up of groups of companies that operate in a specific sector and a management body - aims to stimulate the development of business research and innovation activities, enhancing the potential already present, fostering internationalisation processes and increasing the attractiveness of business investments in Piemonte.



## Centro Estero per l'Internazionalizzazione *Piemonte Agency for Investments, Export and Tourism*

*Piemonte Agency is the first Italian agency dedicated to internationalisation that brings together institutional development actors, public and private business associations, the academic and research worlds. Piemonte Agency focuses chiefly on attracting foreign direct investment, increasing the presence of local companies and their competitiveness on international markets, and promoting the region's tourist offer and products worldwide. Piemonte Agency is the unique, free reference point for companies wishing to locate in Piemonte.*

### Promoting members



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### Foreign network

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