For over 150 years, Politecnico di Torino has been one of the most prestigious technical universities both at national and international level.
With a history of over 150 years, Politecnico di Torino was the first Italian engineering school founded on the wave of the technical and scientific innovation which gave rise to the most prestigious polytechnic schools in Europe in the mid-19th century. It was founded as School for Engineers in 1859, and then it became Regio Politecnico di Torino in 1906.
This long history has turned Politecnico di Torino into one of the top twenty European technical universities for education and research in Engineering and Architecture, with 33,000 students and a teaching staff of more than 800. European technical universities today play a crucial role; the best international universities are required to become key attracting poles of qualified human capital (talented students, researchers and businessmen) and of strategic industrial investments. With a rigorous approach and a scientific methodology, this role will support sustainable growth and meet the great challenges that our society has to face in the coming years on important issues such as energy, health, population, food and climate.

In this context, Politecnico di Torino is a comprehensive Research University where education and research complement each other and create synergies, with an eye to internationalization.

Politecnico di Torino focuses its strategies on an even greater 
commitment in social and economic fields, in order to turn its campuses into central hubs of an international network of academic, industrial and institutional partners, with the aim of sharing results for an even more collaborative and cross curricular research which goes beyond the concept of technology transfer.

As a result, in our Horizon 2020 – Strategic Plan the two key concepts, mission and vision, are defined together with the consequent objectives and the priority actions to be implemented in the short and medium term. Merit and talent are the keywords of the Plan. With this in mind, Politecnico creates and disseminates new scientific and high-tech content knowledge, and trains architects and engineers to face the challenges of our constantly changing society with competence and social responsibility. Politecnico gives a strong contribution to the cultural progress and the competitive and sustainable development of our territory and country.

The culture of quality has been deeply rooted in the University for many years. The Horizon 2020-Strategic Plan is based on this principle and the values it represents. The introduction of assessment and evaluation processes allows the University to comply with the ANVUR guidelines on teaching and research quality, thus continuously improving both processes and results.

At the same time, the University can strive to obtain quality certifications from international agencies. With this perspective, the University has adopted Quality is our Plus as its slogan, which summarises its efforts to deliver excellent results.
The Politecnico campus model is similar to the Anglo-American Universities model, with four main locations in Turin, featuring multi-purpose facilities for teaching, basic & applied research activities, as well as student services. Politecnico also has a regional network of technology centres (Alessandria, Biella, Mondovì, Verrès), dedicated to research, technology transfer, specialized training and local services.

The historical site of our University, located on the banks of the river Po, is the Castello del Valentino, included in the UNESCO World Heritage List and one of the Savoy residences in the XVII century. Most Architecture programmes are taught in its premises which cover 23,000 m².

The main site located in Corso Duca degli Abruzzi, measuring 122,000 m², houses the Engineering Departments. It was opened in 1958 and now extends to the Cittadella Politecnica, a developing area next to the main site located in corso Castelfidardo; it is a modern campus of over 170,000 m², with areas dedicated to students, research activities, technology transfer and services.

The Cittadella of design and sustainable mobility is located in Mirafiori, a redeveloped Fiat industrial site; the same applies for the Specializing Master and Lifelong Learning School which is currently based in the Lingotto site.

Like many international universities, Politecnico has established a number of campuses abroad. Politecnico is now present in Tashkent (Uzbekistan), and in China, in Shanghai, at the Tongji University, and in Guangzhou, at the South China University of Technology.
About 33,000 students attend Politecnico at all levels. Over 5,300 students enrol at Politecnico each year, out of the 11,000 candidates registered for the admissions tests for the Bachelor's degree programmes in Engineering, Architecture, Design, and Territorial, Urban, Environmental and Landscape Planning.

As is common in the best technical universities in Europe, Politecnico di Torino has a comprehensive range of programmes in Architecture and Engineering (22 Bachelor’s degree programmes and 30 Master’s degree programmes in academic year 2016/2017), with 30% of programmes held entirely in English.

The course catalogue is enriched by the first and second level Specializing Masters programmes, by the third level offered by the Graduate School (16 courses for the 32nd cycle) and by the programmes of the School of Specialization in Heritage Architecture and Landscape.

Merit, talent and commitment are at the heart of the student development policies: the Alta Scuola Politecnica merges the great traditions of Politecnico di Torino and Politecnico di Milano, with its joint high-level teaching programme, held in parallel with the Master’s degree programme. Moreover, “Quality & Commitment” is a project developed for the highest achieving students of the Bachelor’s degree programmes. It is an integrated academic path aimed at fostering the personal growth of Bachelor’s students, with the help of a mentor, in order to strengthen their cross curricular abilities, to encourage study and methodological debate and to promote training experiences abroad, as well as to ensure financial aid.
STUDENTS
— A.Y. 2016/2017

31,500 students enrolled in Bachelor’s and Master’s degree programmes
58% students from outside Piemonte
14% international students
5,300 first-year students
360 students enrolled in I and II level Specializing Masters programmes, Lifelong Learning courses and training courses for businesses — A.Y. 2015/2016
700 PhD candidates

COURSE CATALOGUE
— A.Y. 2016/2017

22 Bachelor’s degree programmes
3 in Architecture and 19 in Engineering
30 Master’s degree programmes
7 in Architecture and 23 in Engineering
16 educational paths taught completely in English
1 I level Specializing Masters programme
9 II level Specializing Masters programmes
2 Interuniversity Specializing Masters programmes
7 Lifelong Learning courses
16 PhD programmes, including 5 in cooperation with other universities and research centres
Qualità & Impegno (Quality & Commitment) programme for Bachelor’s students
Alta Scuola Politecnica (ASP) for Master’s students

GRADUATES 2016

6,533
Bachelor’s degree graduates 3,206 — Average age 24
Master’s degree graduates 3,327 — Average age 26

EMPLOYMENT RATE OF MASTER’S GRADUATES ONE YEAR AFTER GRADUATION
— ALMALAUREA 2016, DEF. ISTAT - WORK FORCE
84.6% (Italian average 69.2%)
The Specializing Master and Lifelong Learning School is a centre of excellence which defines ground-breaking educational policies and addresses the demands of the economic context. The School’s programmes are designed to meet the need for high-level technical training that boosts the knowledge base already acquired by students during the traditional degree paths. The programmes also actively address the constantly changing requirements of the world of work, support and develop students’ competitiveness and entrepreneurial skills.

The School addresses the needs of scientific and technological innovation expressed by industry and the service sector. It designs and implements tailor-made training programmes for recent graduates, newly employed staff and senior professionals. To this end, the School has built partnerships with other Italian and international universities, as well as with public bodies and major corporations. In line with the challenges posed by Industry 4.0, the School has enriched its course catalogue with innovative contents such as Additive Manufacturing and Digital Automation. The programmes allow participants to acquire on-the-job training thanks to the opportunity to gain experience in a company, in Italy or abroad. The Masters programmes and training courses are intended for Italian and international students, since they are consistent with the University’s internationalization process and preserve its traditional connection with the local community.
The PhD programme (Doctoral Research programme), which is the third level of university education, represents an even closer connection between education and research. The PhD programme is a three-year programme in which the student is a researcher in training. This can have fruitful results, as experienced by many alumni: some have built successful businesses; others have rapidly reached prestigious positions in international research centres, or in universities in Italy and abroad.

The Doctoral School, founded in 1999, runs all 16 PhD programme offered by the University, three of which are carried out in partnership with the University of Turin and one with the National Institute of Metrological Research (INRIM). Moreover, the School has a strong cooperation with the National Institute for Nuclear Physics (INFN) on electronic devices.

Politecnico’s PhD graduates acquire independent scientific research abilities that allow them to express creativity and methodological rigour in the world of work, for a career in universities and, more often, in industry.

In recent years Politecnico has decided to make substantial investments to finance PhD programmes, which are deemed a strategic target. In order to enhance merit and talent, Politecnico has raised PhD grants by 30% compared to national average levels, and has increased the number of PhD scholarships made available to candidates: 85% of PhD candidates receive a scholarship or other forms of funding for their activity.

Moreover, the highest achieving PhD candidates of each course are awarded additional prizes from a total amount of 100,000 Euro a year.

Out of the 700 PhD candidates at Politecnico, about one third comes from foreign countries: 35% of them take part in important international cooperation projects involving Politecnico as a partner.

PhD graduates represent a bridge which transfers the culture of progress to business, thanks to their ability to manage innovation and their creativity in designing and implementing projects and services.

Over the years Italian and foreign companies have increased their cooperation with the Doctoral School in areas of mutual interest: 30% of PhD scholarships are funded by external non-academic bodies and currently there are 14 PhD programmes which follow the apprenticeship scheme.

The Doctoral School pays significant attention to soft skills, given their high transferability across economic sectors and their great impact on PhD graduates’ professional success. To this end, the School offers an array of courses on soft skills, some of which are delivered online. High-level experiences are also provided, in cooperation with international universities, and other partners such as the CERN in Geneva, and with companies such as UNIDO, Smat, Enel, Eni, Barilla, and the Ministry for Economic Development (MISE).
3 YEARS — 1/3 learning activity — 2/3 research activity

**PhD PROGRAMMES**

**DURATION**

**SCHOLARSHIPS**

85% of PhD candidates receive a scholarship

The PhD grant is 30% higher than national average levels

30% of PhD scholarships are funded by external non-academic bodies

14 PhD programmes offered with the apprenticeship scheme

**INTERNATIONAL PhD CANDIDATES**

28.1%

**EXCELLENCE OF PhD CANDIDATES**

About 82% of PhD candidates have a Master’s degree with final grade of 105/110 and 60% with 110/110

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About 82% of PhD candidates have a Master’s degree with final grade of 105/110 and 60% with 110/110
An international university

443 INTERNATIONAL AGREEMENTS
### STUDENTS’ COUNTRIES OF ORIGIN
— A.Y. 2016/2017

<table>
<thead>
<tr>
<th>Country</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA</td>
<td>25%</td>
</tr>
<tr>
<td>IRAN</td>
<td>8.2%</td>
</tr>
<tr>
<td>PAKISTAN</td>
<td>7.1%</td>
</tr>
<tr>
<td>ROMANIA</td>
<td>5.6%</td>
</tr>
<tr>
<td>ALBANIA</td>
<td>3.9%</td>
</tr>
<tr>
<td>CAMEROUN</td>
<td>3.7%</td>
</tr>
<tr>
<td>SPAIN</td>
<td>3.4%</td>
</tr>
<tr>
<td>COLOMBIA</td>
<td>3.2%</td>
</tr>
<tr>
<td>FRANCE</td>
<td>2.8%</td>
</tr>
<tr>
<td>MOROCCO</td>
<td>2.6%</td>
</tr>
<tr>
<td>TURKEY</td>
<td>2.3%</td>
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<tr>
<td>UZBEKISTAN</td>
<td>2.3%</td>
</tr>
<tr>
<td>LEBANON</td>
<td>2.2%</td>
</tr>
<tr>
<td>PERU</td>
<td>2.1%</td>
</tr>
<tr>
<td>BRAZIL</td>
<td>1.7%</td>
</tr>
<tr>
<td><strong>Other countries</strong></td>
<td><strong>21.6%</strong></td>
</tr>
</tbody>
</table>
Politecnico di Torino is investing in its internationalization process: 14% of students enrolled are international citizens and come from over 120 countries. Over the years, about 1,000 international agreements and projects have been signed by Politecnico di Torino, which takes part in the main university clusters and networks worldwide (Cesaer, Cluster, Eua, Sefi, T.I.M.E.). Politecnico envisages a number of essential targets for the university: establishing Politecnico di Torino among the top technical universities at international level; merging high-level scientific research with high quality education and efficient technology transfer actions; the sharing of knowledge. The goal of making our University a truly international and multicultural environment encompasses many challenges which include the development of an international and cross curricular course catalogue, support for international mobility of students and professors, internationalization of faculty members. Other priorities include attracting students, PhD candidates and researchers from abroad, improving the international campuses of the University, participating in joint research projects and programmes and in the worldwide research network.
INTERNATIONAL CONTEXT

443 International agreements
29 Africa — 108 Asia — 5 Oceania
155 Europe — 26 Middle East
34 North America — 86 South America

453 Erasmus + EU PROGRAMME COUNTRIES agreements
118 Double degree and student mobility agreements

MOBILITY STUDENTS
— A.Y. 2015/16

791 Incoming students
1,163 Outgoing students
Politecnico di Torino is a Research University, particularly focused on the balanced development of fundamental and applied research. The new frontiers of scientific and technological research and higher education require a multidisciplinary and collaborative approach involving all university areas and their partners in the socio-economic system. In order to face the challenges of an increasingly competitive research community, the University has to develop fundraising strategies and to boost international cooperation relationships in research.

**RESEARCH CONTRACTS WITH THE PUBLIC AND PRIVATE SECTOR**

18.9 M € — 2016

**RESEARCH GRANTS**

- 97 H2020 UE Projects
  - 34.7 M € — 2014-2016
- 36 International Projects
  - 3.3 M € — 2012-2016
- 112 National Projects
  - 19.2 M € — 2012-2016
- 324 Regional Projects
  - 40 M € — 2012-2016

**NATIONAL INITIATIVES**

- 10 Smart Cities projects
- 17 PRIN projects
- 5 regional projects: Piattaforme Tecnologiche Fabbrica Intelligente
- 10 National Technology Clusters
In the first three years of the Horizon 2020 programme (2014-2016), Politecnico received funds amounting to 34.7 million Euro for 97 funded projects. It has been rising in university rankings, and it now ranks 4th nationally and 87th internationally, positioned higher than some larger universities and institutions.

In line with its Strategic Plan, Politecnico supports both fundamental and collaborative research projects with internal actions and University calls for proposals funded by banking foundations (for instance, Compagnia di San Paolo and Fondazione CRT).

The H2020@POLITO and ERC@POLITO projects offer faculty members and researchers a systematic set of actions and tools intended for this purpose.

Politecnico fosters the design of research projects by promoting internal competitive calls such as La ricerca dei Talenti project, which promotes the independence of young researchers, and the Starting grant initiative, which aims to attract professors of international standing from other institutions.

Politecnico strongly focuses on the internationalization process of its research activities through several initiatives that boost mobility and enhance cooperation with top international research centres.

EUROPEAN INITIATIVES

11 ERC-funded projects (European Research Council), of which:
9 with the Principal Investigator from Politecnico di Torino
2 with Politecnico as a “Partner institution”

2 ICT FET FLAGSHIPS INITIATIVES UE
— Graphene
— Human Brain Project
Politecnico is the only Italian partner participating in both projects

INTERNATIONALIZATION AND PROMOTION OF RESEARCH

26 projects funded by the “Call for Joint Projects for the Internationalization of Research” (since 2013)
38 projects supported by the MITOR call for proposals between 2009 and 2015
9 internal projects “La Ricerca dei Talenti” call for proposals

Extra-European cooperation projects funded by the Siebel Energy Institute, federal authorities such as NIH (National Institute of Health) and NIST (National Institute of Standards and Technology), US multinational corporations such as IBM and CISCO

Partner of EIT (European Institute of Technology) Inno Energy and Digital KIK (Knowledge Innovation Community)
In this framework, over the years, Politecnico has carried out activities such as the **Call for Joint Projects for the Internationalization of Research** (since 2013) - which aims to strengthen the cooperation with universities ranked in the top 50 positions of international rankings or located in strategic geographical areas - and the **MITOR** programme (since 2009) for the support of joint research projects between the Massachusetts Institute of Technology (MIT) and Politecnico di Torino.

On top of these initiatives, more recent activities include the call for proposals to host visiting professors, the **Create a network around your research idea** pilot initiative (with academic and non-academic partners), the **joint projects to support research collaborations with excellent international organizations** carried out with the contribution of exchange PhD candidates.

For companies interested in innovation Politecnico offers: its own scientific skills, research and consulting services with an interdisciplinary, multiservice and customer-oriented approach, a support for lab tests and analysis, and above all the possibility of sharing laboratories and services within the **Business Research Center** located within the Cittadella Politecnica.

The University participates in **international networks** such as: ECSEL, N.ERGHY, ECTP, NEREUS, IAF, EPIC, EERA, EGVIA, EFFRA. Our University has a large number of industrial partners which include: Alenia Aermacchi, Ansaldo, Avio Aero, ENI, FCA (Fiat Chrysler Automobiles), Ferrari, General Motors Powertrain Europe, Enel, Ferrero, HP, IBM, Indesit, INWIT, Italdesign, Michelin, Microsoft Italia, Nokia, Philips, Piaggio, Pininfarina, Pirelli, Siemens, SKF, STMicroelectronics, Terna, TIM, Thales Alenia Space.

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**MOBILITY OF RESEARCHERS**

- **25** visiting professor applications approved in 2016
- **8** “Joint research projects with top universities”
- **21** H2020 Marie Skłodowska Curie projects

In November 2013 Politecnico di Torino was awarded the **HR Excellence in Research logo** by the European Commission for the University’s commitment to providing international researchers with positive and challenging working conditions and for the implementation of the principles of the European Charter for Researchers & Code of Conduct for the Recruitment of Researchers.
ERC Projects
European Research Council

**BOOST**
Tricking bone cells to fight osteoporosis

BOOST wants to manufacture a scaffold that could mimic healthy bone features and thus could rebalance osteoblast and osteoclast coupling, inducing them to behave like in a healthy tissue.

**TrojaNanoHorse**
A trojan horse to fight cancer cells

The project aims to develop novel non-immunogenic nanoparticles that are safe for the host organism and biodegradable. They will show a double functionality being theranostic nanoparticles, thus able to perform diagnosis and therapy at the same time. Moreover, no chemotherapeutic drug will be required, thus eliminating any side effects associated to their assumption.

**CWASI**
Coping with water scarcity in a globalized world

The CWASI project tackles the problem of globalization of water resources, used for food production. The study of the effects of water relocation on food security and on water crises occurrence is conducted through quantitative methods.

**IDEal reSCUE**
Modelling the complexity of emergencies

The seriousness of extreme events such as earthquakes, hurricanes or terrorists attacks depends on the natural (or not) hazard but also on the human error in dealing with the emergency. The project proposes a new method to assess the performance of critical infrastructures during emergencies that takes into account also human behaviour.

**OPTINF**
From disordered systems physics to biological data analysis

An interdisciplinary project proposing cross-fertilization between statistical physics and computational biology. OPTINF is focused on two objectives: the study of optimization and inference algorithms based on advanced statistical physics methods for disordered systems, and their application to large-scale inverse problems in computational systems biology.

**INTHERM**
Heat conductive nanomaterials based on graphene

The INTHERM project addresses the big challenge of how to tailor heat transfer across interfaces in polymer nanocomposites, by developing and applying the concept of thermal bridging at the interface between graphene particles in a network.

**IDEAL SENSOR**
Building monitoring in emergency situations

The project aims to develop wearable wrist band and a customized structural health monitoring system for managing emergencies. The system will be able to work in different emergency situations without depending on available power and common communication networks.

**CRISP**
The challenge of compressing and processing big data

The CRISP project targets the cutting-edge research field of compressive sensing (CS), and particularly its application in the framework of complex information processing systems, including vision systems and big data. CS is a breakthrough technology that will have a profound impact on how these systems are conceived.

**ToothPic**
Even digital cameras have fingerprints

ToothPic exploits the fact that each optical sensor of digital cameras or smartphones leaves a unique fingerprint in all pictures. The project will develop a search engine that, given as input a camera fingerprint or a photo, returns a list of photos taken by the same camera.
Future Emerging Technologies
FET flagships

Graphene
The Graphene Flagship is tasked with bringing together academic and industrial researchers to take graphene from the realm of academic laboratories into European society over a period of 10 years, thus generating economic growth, new jobs and opportunities. The core consortium consists of over 150 academic and industrial research groups in 23 countries.

Human Brain Project
The Human Brain Project (HBP) is run by a consortium of 116 research organizations. HBP aims to put in place a cutting-edge, ICT-based scientific Research Infrastructure for brain research, cognitive neuroscience and brain-inspired computing.
Technology Transfer

The University has created the Interdepartmental Laboratory for Technology Transfer and the Innovation and Entrepreneurship Centre (EIC) in order to foster interdisciplinary collaboration among different technological and scientific areas within Politecnico and to boost new competences in line with the guidelines of the European Commission on technology transfer.

The Interdepartmental Laboratory for Technology Transfer seeks to enhance the results of research and to improve the University’s capacity to assess the industrial potential and commercial value of the new technologies generated through research. The research work carried out by the EIC Centre is strongly focused on issues of technology transfer, innovation and entrepreneurship.

These initiatives are paving the way for positive results in terms of patents (often achieved in cooperation with other universities, research centres and businesses), quality of spin-offs, increased number and intensity of partnership agreements with large corporations, engagement of young researchers.

More recent initiatives include the launch of a pilot funding project for Proof of Concept (with the objective of promoting the development of research applications, funded by Compagnia di San Paolo); the implementation of activities for the transfer of knowledge and researchers to local SMEs and projects which seek to attract international talented professionals. The consolidation of these activities is Politecnico’s challenge for the near future.
3rd MISSION
KNOWLEDGE
SHARING

519 patents, of which 30% in joint-ownership with companies or international bodies
237 active patents (46% of the portfolio), of which 56% in joint-ownership with companies or international bodies
1.01M € revenue in 2015-16 for exploitation, patent development and Proof of Concept
46 spin-offs
26 existing partnership agreements

FIGURES UPDATED TO 31/12/2016

PUBLIC ENGAGEMENT
ACTIVITIES 2016
1,612 publications in scientific journals
972 contributions to scientific conferences published
About 400 conferences and seminars organized
Over 600 students of our Schools involved in outreach activities

INVENTIONS BY SECTOR

<table>
<thead>
<tr>
<th>Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeronautical, Aerospace and Automotive Engineering</td>
<td>13.6%</td>
</tr>
<tr>
<td>Architecture and Design</td>
<td>2.8%</td>
</tr>
<tr>
<td>Biomedical, Chemical and Pharmaceutical Engineering</td>
<td>14.6%</td>
</tr>
<tr>
<td>Energy and renewable sources</td>
<td>8.4%</td>
</tr>
<tr>
<td>Physical Engineering, Materials and Nanotechnologies</td>
<td>12.7%</td>
</tr>
<tr>
<td>Computer Engineering, Electronic and Communications Engineering</td>
<td>19.8%</td>
</tr>
<tr>
<td>Civil, Environmental and Building Engineering</td>
<td>9.4%</td>
</tr>
<tr>
<td>Industrial, Mechanical and Mechatronics Engineering</td>
<td>18.3%</td>
</tr>
</tbody>
</table>

519 patents, of which 30% in joint-ownership with companies or international bodies
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FIGURES UPDATED TO 31/12/2016
Besides organizing and managing teaching activities, Politecnico Departments coordinate vertical research and promote the sharing of results. Politecnico di Torino has 11 Departments which are University referential structures in the different disciplinary fields of Engineering and Architecture.

INDUSTRIAL ENGINEERING

DENERG
Department of Energy
for the disciplinary fields of energy and sustainable development, with the aim to improve the existing energy technologies and promote new ones, as well as to contribute to the rational and informed use of energy resources.

DIMEAS
Department of Mechanical and Aerospace Engineering
for the disciplinary fields that cover a broad spectrum of manufacturing activities typically associated with an advanced industrial society. These activities cover classical and cutting-edge domains in the mechanical and aerospace fields.

DISAT
Department of Applied Science and Technology
for the disciplinary fields that cover the fundamental principles of matter and energy, their transformation and related engineering applications.
DAD
Department of Architecture and Design
for the disciplinary fields which study the art and science of design, both in architectural and urban buildings, and in product design.

DIATI
Department of Environment, Land and Infrastructure Engineering
for the disciplinary fields covering the technologies which aim at the safeguard, protection and management of the environment and the land, the sustainable use of resources, as well as the optimal and eco-sustainable development of infrastructures and transport systems.

DISEG
Department of Structural, Geotechnical and Building Engineering
for the disciplinary fields which study safety issues and functional and formal planning of constructions, taking into account environmental and human actions and their integration with the natural and built environment, their uniqueness and their local territorial impact.

DIST
Interuniversity Department of Regional and Urban Studies and Planning
for the disciplinary fields which study the processes of territorial transformation and government, both on a local and on a global scale. These processes are analysed from a sustainability perspective in their physical, economic, social, political and cultural aspects, as well as in their interrelationships.

DAUIN
Department of Control and Computer Engineering
for the disciplinary field of Information and Communication Technologies (ICT) which studies the methodologies and technologies used for the management, processing and transmission of information.

DET
Department of Electronics and Telecommunications
for the disciplinary field of Information and Communication Technologies (ICT) which includes: telecommunications, electronic devices, circuits, technologies and systems, electronic measurement and characterization techniques, as well as electronic bioengineering.

DIGEP
Department of Management and Production Engineering
for the disciplinary field which studies the relationship between production systems of goods and services and the economic environment in which they operate, thus blending engineering approaches with economics and management.

DISMA
Department of Mathematical Sciences
for the disciplinary fields dealing with Mathematical Sciences and their interaction with Engineering and Architecture.
Interdepartmental Centres

Large institutions of higher education and especially the major technical universities have to tackle emerging technological and societal challenges and work across the frontiers of several disciplinary fields including advanced robotics, the Internet of Things, neuro-technologies, advanced materials, to mention just a few.

Politecnico di Torino has also set itself the strategic objective of encouraging interdisciplinary cooperation among technological and scientific fields. To this end, the University has established the Interdepartmental Centres, a platform where researchers from different Departments of Politecnico can interact in order to share competencies and produce knowledge in the framework of the so called breakthrough technologies.
I3P
The Innovative Enterprise Incubator

2016 RESULTS

Ideas accepted
600

Projects launched
145

Startups launched
49
of which admitted to I3P
15

Equity investments
8.05 M €
I3P - the Innovative Enterprise Incubator of Politecnico di Torino is one of the most important University Incubators in Europe. Founded in 1999, I3P is based in the Cittadella Politecnica and supports the creation of new high-tech companies, founded by university researchers and entrepreneurs. It provides them with offices, strategic and specialist consultancy and a continuous stream of networking opportunities with investors and corporate clients. Up to the present, over 200 startup companies have exploited research results from various sectors and in the field of Social Innovation. The companies have attracted risk capital investments worth 50 million Euro and created 1,600 new jobs. I3P is part of the global strategy of Regione Piemonte which seeks to support research, technological innovation and new entrepreneurship.
The Sustainable Campus

The Sustainability policy embraced by Politecnico not only addresses the problem of energy consumption reduction, but also contributes to the training, development and overall experience of our staff members and students, and of the communities and networks in which the University operates. To this end, upon request of the Board of Governors, Politecnico has created the Green Team, a group of faculty members, students and employees, which encourages the University to adopt environmental and social policies in accordance with the guidelines of the Horizon2020-Strategic Plan.

Vertical actions in the field of sustainable energy, mobility, urban impact, food, water, waste management and procurement are integrated with cross-cutting actions that have a wider impact within the scope of the “third mission” of universities. This includes advocacy campaigns for the inclusion of sustainability issues in research and teaching activities, internal and external dissemination actions towards the community intended in its broader sense, as the city and the networks of sustainable universities in Italy and worldwide. Since 2015, Politecnico has been a member of the ISCN Network (International Sustainable Campus Network) and among the founders of the RUS Network (Rete delle Università per lo Sviluppo Sostenibile), and it coordinates the RUS Energy Table.

In November 2016 Politecnico published its first sustainability report and organized the first sustainability week, with 55 events and over 1,500 participants.
The University Single Budget for 2017
The University’s expected revenue for 2017 exceeds **250 million Euro**. In recent years, the University has been able to avail itself of a sound financial and economic situation. This is due to the increase of the discretionary contribution awarded by the Ordinary Financing Fund (FFO), the rise in international competitive grants and the consolidation of partnership agreements with the private sector. The budget allocates extensive investments in: improvement in the quality of education and scientific research, upgrading of facilities, promotion of technology transfer policies and, above all, the enhancement of human capital as our most valuable resource.

For 2017 Politecnico is planning investments of over **50 million Euro**.

- **54%** MIUR funds
- **13%** Student fees
- **7%** On-demand research and technology transfer
- **7%** UE and international research funds
- **2%** Regional and local research funds
- **2%** Research funds by other organizations
- **2%** Research funds by MIUR and other Ministries
- **7%** Other funds
- **6%** Other contributions (except for MIUR)
Human capital is Politecnico’s greatest asset. The training of our human resources and the engagement of the entire academic community are at the heart of the University’s development policies. The attraction of talented young researchers is part of the guidelines proposed by the Strategic Plan of Politecnico di Torino, which intends to develop quality and to promote the culture of evaluation in the pursuit of shared growth.

TEACHING STAFF

209  Full Professors

384  Associate Professors

261  Researchers

27.4%  Female population

ADMINISTRATIVE STAFF

871  Staff members

59.7%  Female population

FIGURES UPDATED TO 31/12/2016