

GENOA'S SCIENCE AND TECHNOLOGY PARK - ERZELLI

Genova High Tech S.p.A.





IASP

International Association of Science Parks
and Areas of Innovation

*A science park is an organization whose main aim is to **increase the wealth of its community** by promoting the culture of innovation and the competitiveness of its associated businesses and knowledge-based institutions.*

To enable these goals to be met an STP:

- **stimulates and manages the flow of knowledge and technology** amongst universities, R&D institutions, companies and markets
- facilitates the creation and growth of innovation-based companies through **incubation and spin-off processes**;
- provides other value-added services together with **high quality space and facilities**.



SCIENCE AND TECHNOLOGY PARKS (STPs) AS AN ENGINE FOR THE RENEWED NORTH-WEST INDUSTRIAL TRIANGLE

TORINO

General Motors, Politecnico Torino,
Big Data....

***“Human
technopole
Italy 2040”***

MILANO

Post Expo
500.000 square
metres gross floor
surface
Università statale
IIT
Assolombarda

GENOVA

Erzelli

410.000 square metres gross usable
surface

Facoltà ingegneria, CNR, IIT, Esaote,
Ericsson, Siemens, TAG, Confindustria

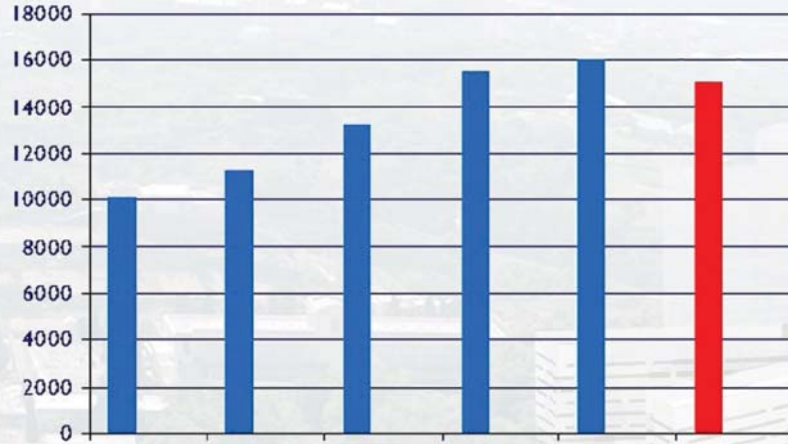
GENOVA 2009 -2016

- Framework Agreement for Ericsson Research Centre
- Siemens MES Research Centre
- Framework Agreement for CENTER FOR HUMAN TECHNOLOGIES (CHT)
 - robotic surgery development
 - elderly care and rehabilitation
 - genetic diagnostic development
- Hi-Tech Enterprises Incubator
- Coworking Campus
- Compunet Data Centre
- **Research Centre for Smart Cities and Energies**

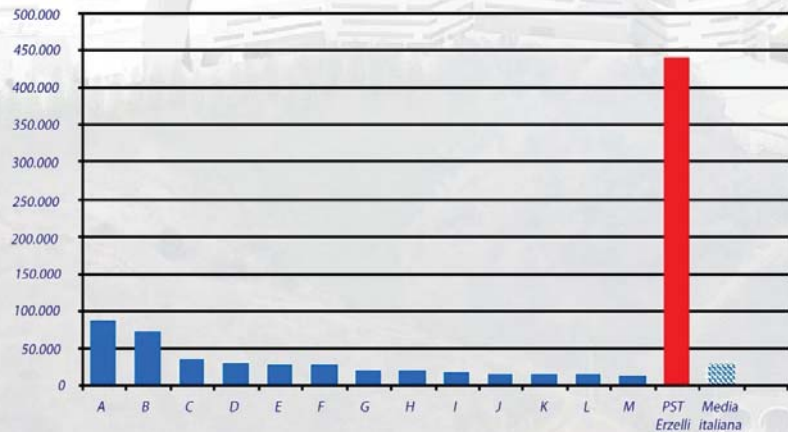


ITALIAN STPs – STATS

Totale Numero Addetti Impiegati nei Parchi Italiani vs PST Erzelli



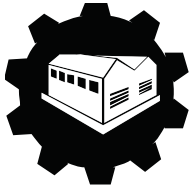
Superficie dei Parchi (superiori ai 10.000 m²)



Comparison between Genoa STP and the largest Italian STPs.

Measuring the extension of other Italian STPs against Erzelli STP it's clear how, with a surface of more than 400,000, Genoa STP is far larger than any other one in Italy. The projected number of operators in the Park is about **15.000 people**.

WHY GENOA?



Well-established network of high-tech enterprises operating in the automation, robotics and biomedical industry, employing **15.000 people** (80% with higher education certificates), with an employment rate which is more than double the national average.

Over 100 Hi-Tech companies: Ansaldo STS, Ansaldo Energia, Selex ES, Ericsson, Siemens, ABB, Esaote, Piaggio, Datsiel, Alcatel Lucent, D'appollonia...



First rate university departments, boasting the highest degree of **interdisciplinary interaction** and development and research programmes bonding together different scientific disciplines (Engineering, Medicine, Chemistry, Molecular Biology).



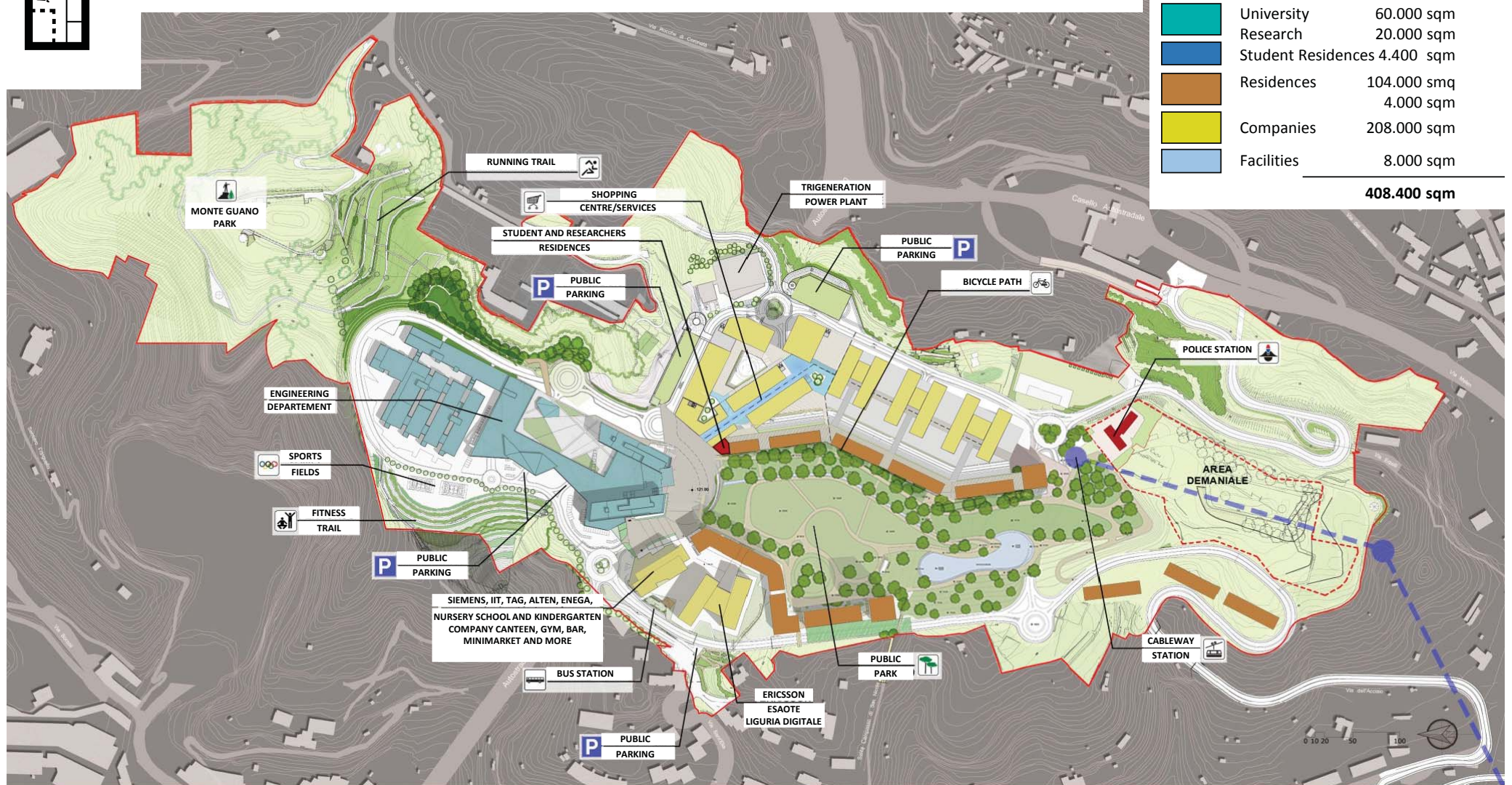
Genoa hosts several Research Departments of Consiglio Nazionale delle Ricerche – the national research institute - (Biophysics, Information Technologies, Automation, Marine Sciences e Macromolecole) and the Headquarters of the Italian Institute of Technology (IIT), which employs more than **2000 people** working on world-leading research on robotics and nanomaterials nanotechnology



Genoa has a high standard of living and a thriving cultural life



MASTER PLAN (Studio Mario Bellini Architects – Studio Gnudi – Studio Hembert Penaranda Officina Architetti)





R&D
DISTRICT

More than 200.000 sqm



1000
RESEARCHERS



5000
STUDENTS



12000
EMPLOYEES



COMPANIES and RESEARCH INSTITUTES INSIDE THE STP FROM JUNE 2016 : 2.000 Workers





COWORKING

Talent Garden Genova is the coworking space located inside the Science and Technology Park.

Born in December 2013 is now the benchmark for digital innovators in the area.



Innovation Culture Hub



Natural Business Accelerator

Talents

46



Start-ups

9



Contacts

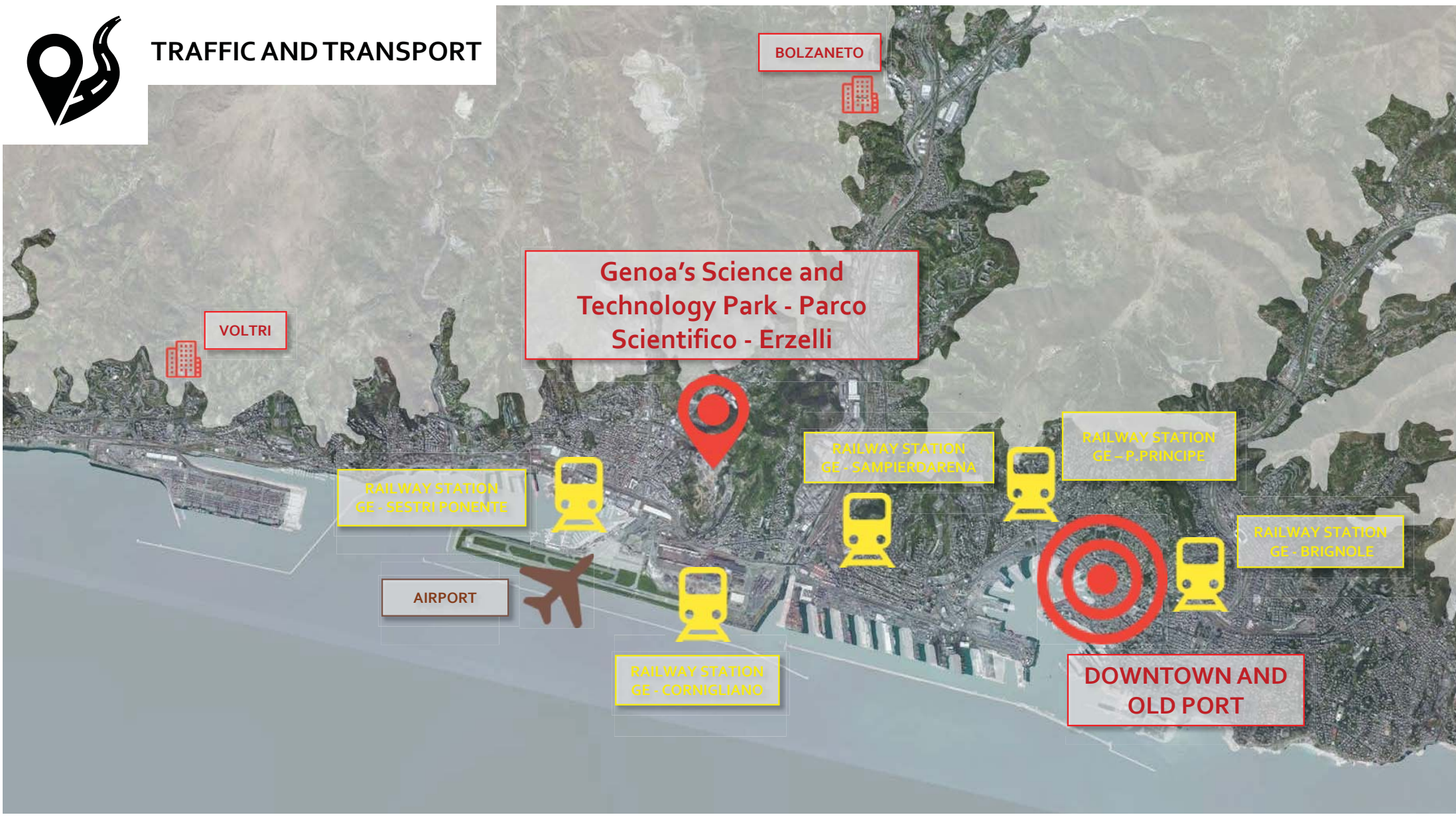
+7000



Open Innovation Network



TRAFFIC AND TRANSPORT



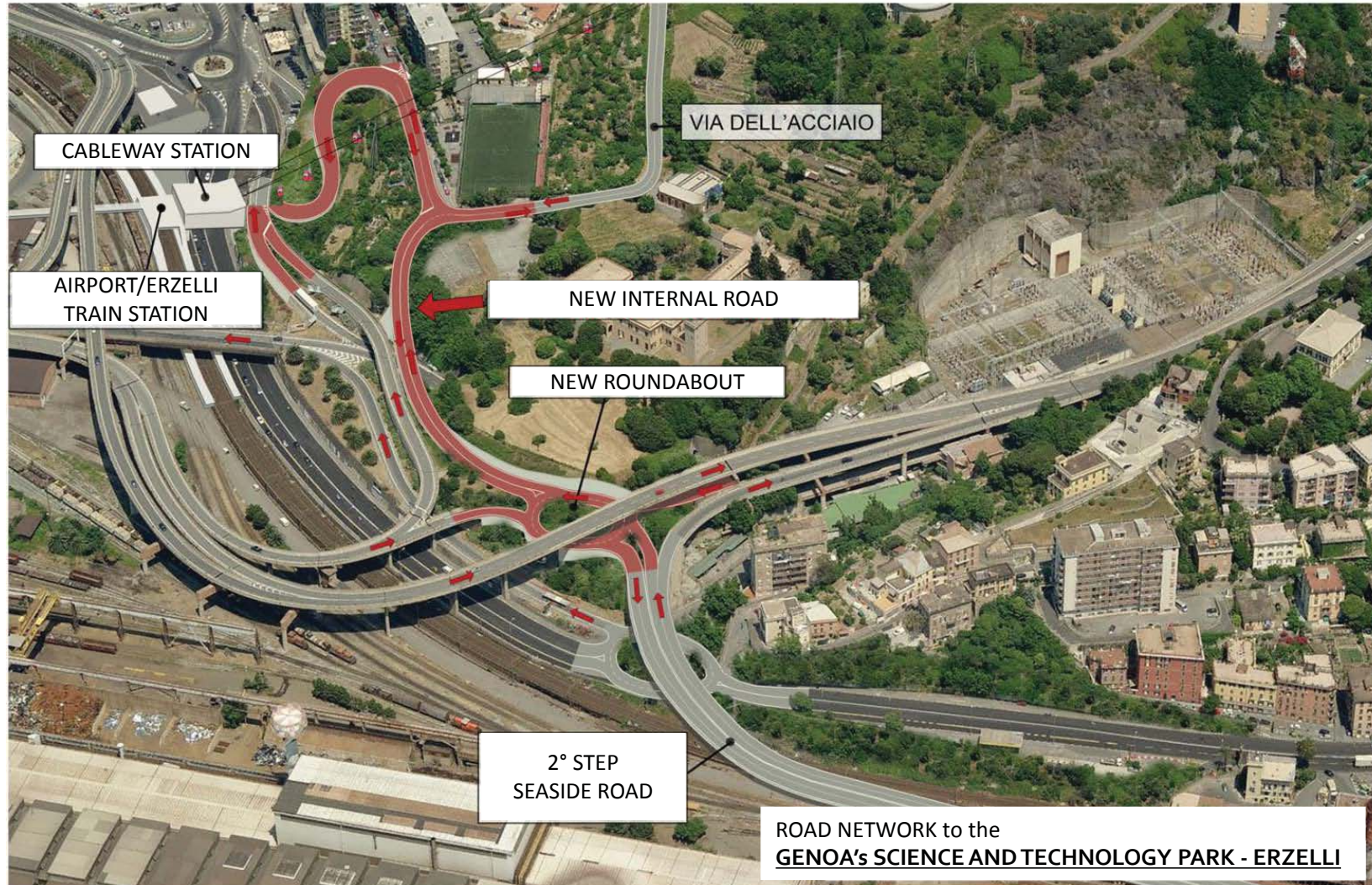


TRAFFIC AND CONNECTIONS





TRAFFIC AND CONNECTIONS





TRAFFIC AND CONNECTIONS

Cable car project and subway station (R.F.I.) - Aeroporto / Erzelli





THE PARK: HOW IT WAS





AN EMPTY SPACE BETWEEN TWO DISTRICTS OF THE CITY

VALUE OF URBANISATION AND INFRASTRUCTURE

VALUE OF THE WORKS OF URBANIZATION ALREADY MADE IN 2015

BUILDINGS CONSTRUCTED IN 2015

about 100 M€

about 40 M€

10%





URBANIZATION WORKS



Roads Network

about 3 km of roads already done
about 1,5 km of roads still to do



Hydrogeological Works: 3 rivers (Rio Campasso, Rio Negrone, Rio Secco)

Plant Engineering Networks



Drinking Water:

1,6 km of Main feed pipe
1 tank at the service of the Science Park (350 mc)



Water for industrial use:

3,2 km of pipes
1 tank at the service of the Science Park (350 mc)

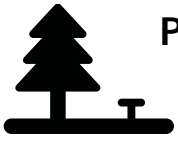


GAS: 2 km of pipes

1 decompression power station serving the park



Buries Power Line: about 2,7 km circa



PARK 220.000 sqm





COMMUNITY SPACES

The central square and the University Campus square, the shopping centre and the urban park are the STP's meeting places, where the users will be able to spend their spare time and could find every service they may need: stores, a post office, a bank, nursery school, books and music stores, restaurants, wi-fi and entertainment areas.



NURSERY SCHOOL AND
KINDERGARTEN



COMPANY CANTEEN



POLICE STATION



ROUTES SYSTEM



SPORT: - GYMS;
- BEACH VOLLEY COURT;
- MINI BASKET COURT;
- RUNNING TRAIL(10 km)



BARS, STORES AND
SHOPPING CENTRE



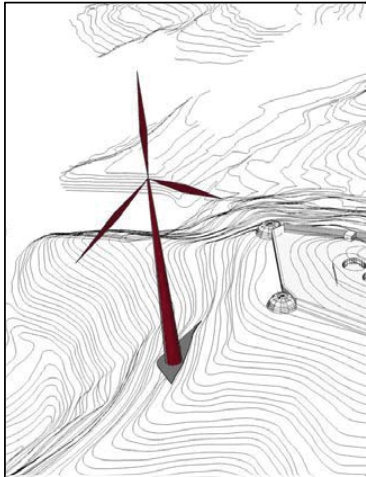
AUDITORIUM AND
COFERENCE ROOMS



OPEN AIR AUDITORIUM



SMARTCITY



GREEN ENERGY
 - BLADE WIND 3 MW
 (1000 INHABITANTS)
 - SOLAR THERMAL
 - PV



TRIGENERATION PLANT
 PRODUCE:
 - Hot
 - Cold
 - Electricity
 (houses and STP)



OPTICAL FIBRE
 (wiring 30 km)
 Between project
 Remote control
 (Plant consumption control)




BUILDINGS INSULATION
 'A' RATE

LIGHTING
 LED



✓ **AUTOMATED VACUUM WASTE COLLECTION SYSTEM**
 (Fast, clean and quiet)



+ ↑↑↑ -CO₂ = €

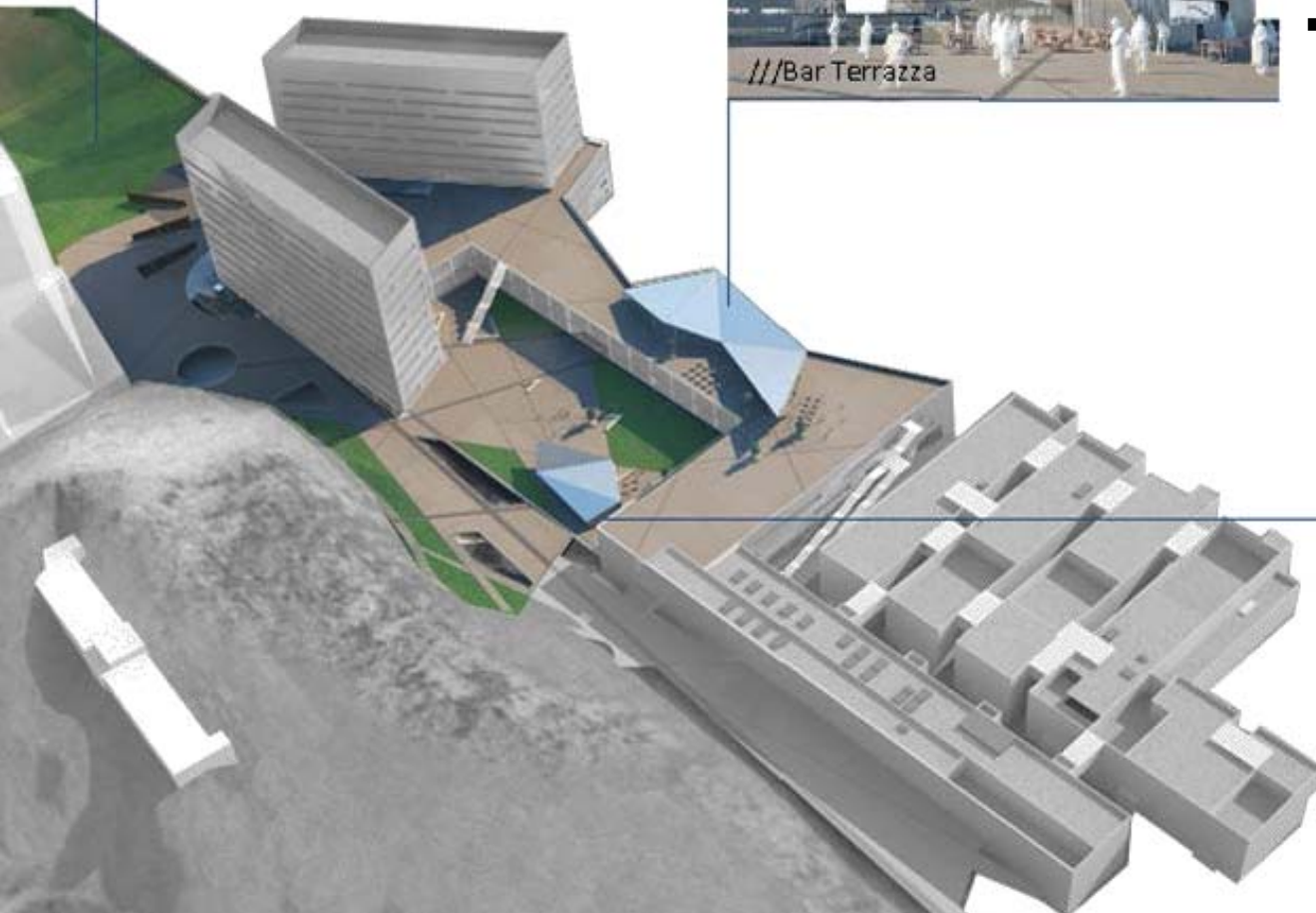
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CAR POOLING



UNIVERSITY

///Parco

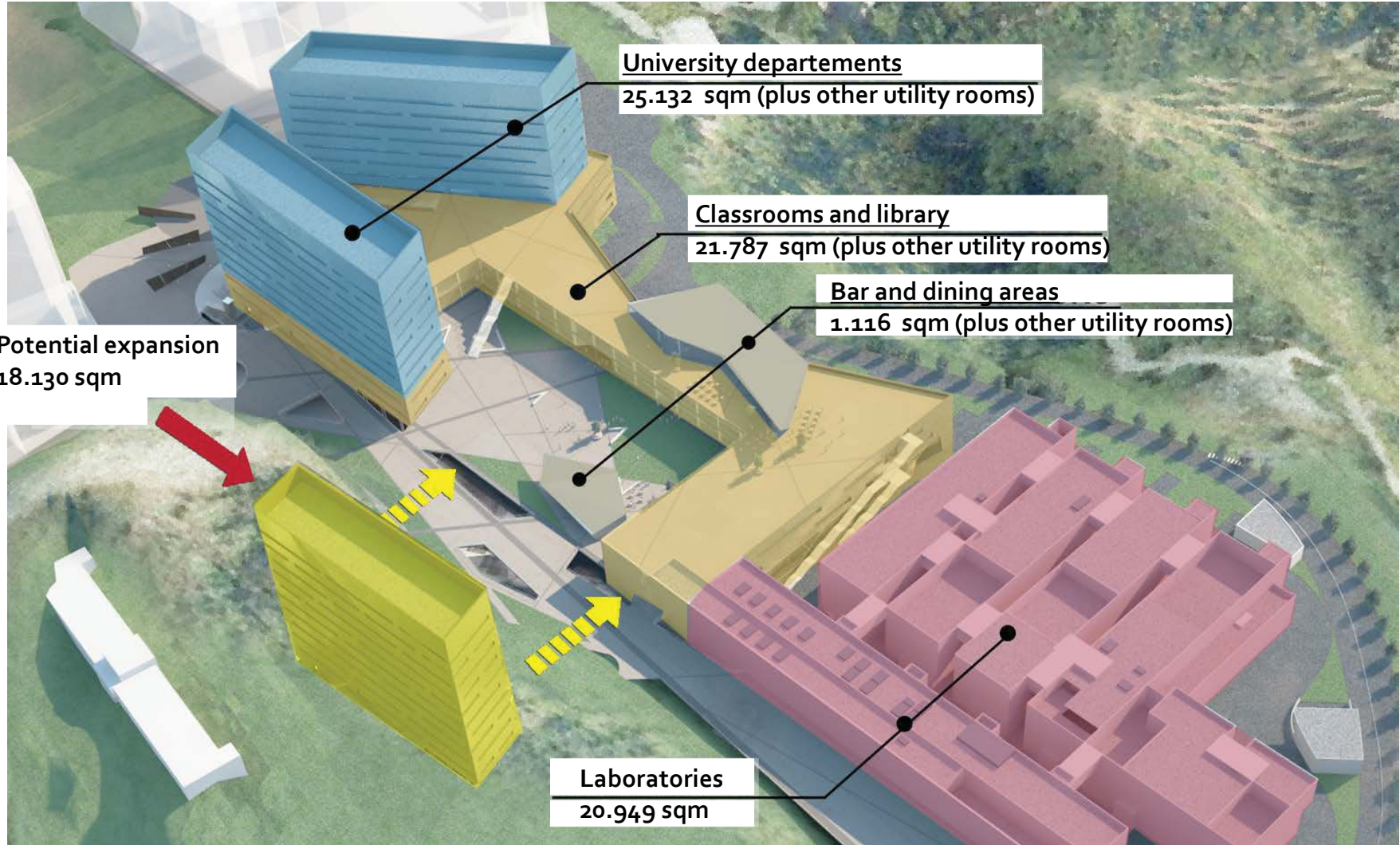


- Taylor made buildings
- Private car park and public underground parking garage
- Bus stop with escalator and fast connection with the other areas
- Auditorium, bars and cafeteria.





UNIVERSITY : 60.000 sqm with planned extension of 14.500 sqm





HOUSING

100.000 square metres of living space in order to offer different solutions for rent, rent to buy and purchase and develop Erzelli in a lively place 24/7, a safe green area with the feeling of a friendly neighbourhood

- ✓ Private underground garages, public parking spaces for guests, close to the bus stop
- ✓ Low running costs
- ✓ Technological and advanced equipments
- ✓ Big terraces and modern apartment solutions
- ✓ Automated Vacuum Waste Collection System
- ✓ Park view or sea view



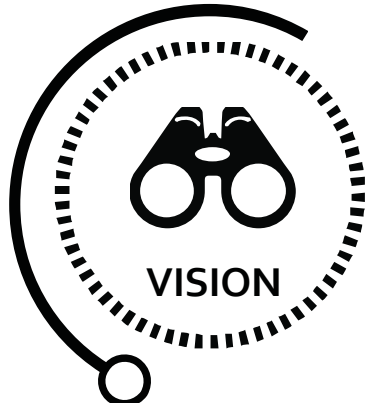


MISSION & VISION



Genova High Tech' s goal is to improve the Italian **Technology and Innovation Rate**, fostering research and technological innovation with the mean of the creation of a new-generation Science and Technology Park, with advanced and unique features aimed to produce creativity and innovation in a efficient and effective way.

This endeavor is born from the vision of a group of entrepreneurs from Genoa and Milan, and has involved, since its inception, Universities, Insitutions and corporate giants such as Ericsson, Siemens ed Esaote.



To create a living ecosystem able to stimulate creativity and innovation, leveraging direct interactions between scientists, technicians, students and managers that work in research centres and enterprises or attend University. Genoa Science and Technolgy Park will grow in a living and dinamic entity, a lively, creative, multi-cultural place to work and study but also to reside and live in.






Genova High Tech S.p.A.



GREAT CAMPUS
Genoa Research & Advanced Technology



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