



## **AREA SCIENCE PARK**

**An ecosystem of research, innovation and enterprise**

### **The Research Organisation**

Area Science Park is a national public research organization supervised by the Ministry of University and Research (MUR). It was established in 1978, to develop the science and technology park in Trieste. Over the years, Area has gained expertise in technology transfer, integrated system design and innovative services. Today, the institution's main areas of action are: specialised research, innovation models supporting the entrepreneurial system and the management and development of the science park.

### **In-house Research Activities**

Area Science Park carries out research in the fields of omics sciences, new materials and data science. Its researchers have specialised skills in Big Data management, from artificial intelligence techniques to the production of FAIR-by-design data. There are three active state-of-the-art laboratories:

- The Genomics and Epigenomics Laboratory focuses on the analysis of DNA and RNA sequences and genotyping to study viruses and pathogens of human, animal or plant origin.
- The Electron Microscopy Laboratory is dedicated to analysing the nanostructural, electronic and chemical-compositional properties of materials, with applications in electronics, sensors and energy.
- The Data Engineering Laboratory provides advanced computing and data analysis services and conducts research and development in the field of Artificial Intelligence to extract knowledge from data.

### **Innovation Supporting the Entrepreneurial System**

Area Science Park has thirty years of experience in developing innovation projects, thanks to the expertise accumulated in aligning the needs of the world of research with those of businesses in various sectors, with particular focus on the digital transition and environmental sustainability. Area Science Park also supports the development of new enterprises with a strong technological specialisation, focusing particular attention on deep-tech innovation processes – generating innovative solutions from cutting-edge research.

### **The Science and Technology Park**

Located in the Trieste Karst Plateau region, Area Science Park's science and technology park has two campuses, in which companies, R&D laboratories, university spin-offs and research centres working in the following scientific and technological areas:

- Life Sciences
- IT and telecommunications
- Physics, materials, nanotechnology
- Energy and environment
- Specialised services

There are internationally renowned centres of excellence in the park, such as the ELETTRA synchrotron light source, the FERMI free-electron laser and the International Centre for Genetic Engineering and Biotechnology (ICGEB).



Two new scientific and technological infrastructures, dedicated to life sciences and to the study of new materials, have recently been added to the park's existing infrastructure, offering valuable resources to both the research and business communities.

**A few figures (as of 31/12/2023)**

**59** settlements based in the park: **52** companies (**5** are innovative startups/SMEs) and **7** research centres

**2,800** employees in total

**5** scientific-technological clusters: IT/electronics/telecommunications, physics/materials/nanotechnology, life sciences, energy/environment, specialised services

**89.4%** occupancy rate of rentable spaces on the Padriciano and Basovizza campuses

**144** active patents, filed by **23** entities residing in the park

**119** projects developed and funded between 2022 and 2023