



COMPANY PROFILE



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2009

The Laboratorio MIST E-R was founded on June 26th to design a manufacturing platform for mechanics and materials R&D.



2015

Mister begins three challenging years of R&D working on 6 public funded projects and several technology transfer contracts.



2019

10 years of Mister celebrated with the event "Connecting people & ideas" and Mr.Startup, a contest for innovative companies. We hosted 280 participants, international speakers and 50 startup from all over Italy.



2011

Mister joined the Emilia-Romagna High Technology Network. At the same time the Bologna CNR Technopole projects gets underway.



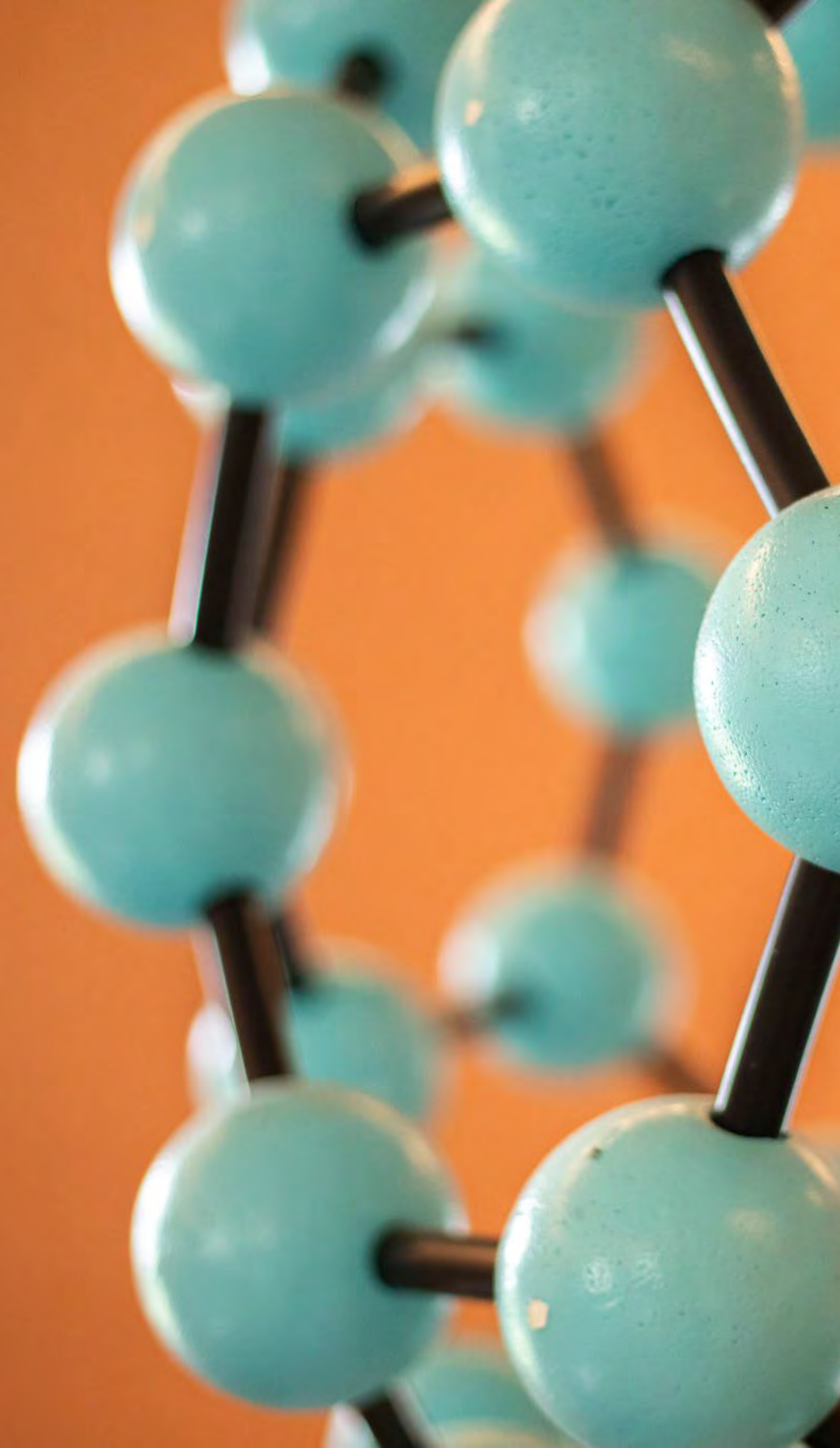
2017

The Bologna CNR Technopole is now up and running and the modern building immediately becomes the new Mister headquarters.



2021

In the years marked by the pandemic, Mister strengthens its industrial research activity, getting funds to start important projects with several companies. The registered capital reaches 1 million with the entry of new strategic partners.





ABOUT US

Founded in 2009, the consortium company Mister Smart Innovation represents a virtuous example of Public Private Partnership. Based in the Bologna CNR Research Area, Mister provides industrial research and technology transfer support. Mister is accredited to the High Technology Network of Emilia-Romagna as a laboratory since 2012. Starting from 2019, the company has also been recognized as a center for innovation. Mister supports start-ups, SMEs and large industries

at regional, national and international level by providing custom solutions for industrial and environmental sensors, lighting, machine learning, computer vision, additive manufacturing and 3D design, health technologies, nanotechnologies for biosensors, innovative materials and more. Since 2017 Mister has been managing the Bologna CNR Tecnopolo, which is based in the structures of the CNR Area of Bologna and the Science Area of Parma.



MISSION

The mission of MISTER Smart Innovation consists in carrying out industrial research projects for and with companies, in order to accelerate the industrial system technological development by providing innovative and tailor-made solutions. MISTER is also the access point to the skills and facilities of the CNR network throughout the national territory.

Adaptable: we do not reject any challenge. As researchers it is in our nature to examine every possibility in search of the best solution to meet the functional and economic needs of our clients. We do not necessarily follow predefined schemes in proposing and designing solutions, but we prefer a disruptive and creative approach. The solution to your problem is often at the crossroads between different areas of our competence.

Reliable: always on schedule, your informations are safe. We put seriousness in first place and let business partners, accreditations and certifications speak for us. More than careful guardian of our inventions, we treat our customers' proprietary technology with the utmost discretion.

Ambitious: we aspire to be the technological vanguard, a step forward in the path of innovation. The ever high customers' expectations motivate us to push technological progress towards a future that for us is already today. We work to be key players in the progress of intelligent and sensitive industrial technologies.



Health-Tech



Industry 4.0



**Smart
Materials**



**Creative
Industries**



HEALTH-TECH

MISTER has been involved for years in the biomedical sector, acquiring over the time functional skills for the realization and improvement of medical devices, mainly sensors. The other branch of industrial research developed by the MISTER team consists in the preparation of prototypes of cosmetic products, with the aim of developing innovative formulations through the identification and processing of new raw materials. Mister is currently working on various health-tech projects in partnership with research institutions, laboratories and companies, relying on its expertise in sensors and material functionalization. We are also proud to underline our strong bond with the biomedical district of Mirandola.



Contain the number of SARS-CoV-2 infections in the months to come will be crucial in fighting the ongoing pandemic. MEDAIR intends to propose an easy-to-use, mobile, and effective indoor air sanitization device in the removal of ultra-fine and viral particles.

MEDAIR

Cosmetics

Automatic testing bench



Biomedical sensors

Microfluidics

INDUSTRY 4.0

MISTER provides its expertise to facilitate the transition to Industry 4.0. We offer electronics, mechanical and IT skills for the design and production of automation and control solutions. These solutions exploit open source platforms for both the microcontrollers and the management of sensitive data collected by IoT nodes. It thus becomes possible to reach the devices in a simple way, read their status, view the data collected or perform data analysis directly on the platform using machine learning techniques. The integration of the devices on our customers' machines takes place through advanced packaging and additive manufacturing techniques. Our platform proposal respects the principle according to which the data collected is owned by the producer and must be available only for those who are the legitimate owners.

Electronics & microcontrollers

Custom & commercial sensors

Additive manufacturing



Machine learning

Mechanical design & packaging

Open source software & IoT infrastructures



The HyPOWERED project aims to study, develop and test in an operational environment a prototype of a new low-polluting condensing boiler model for residential heating and the production of domestic hot water.

 **IMMERCAS**

 **MISTER**
SMART INNOVATION



SMART MATERIALS

In the research and development of smart materials MISTER takes advantage of the precious collaboration with the CNR and the other academic partners. The study of innovative materials represents the basis for the development of new sensors, devices and technologies. MISTER is capable of estimate which, depending on the case, is the most effective application for industrial purposes of smart materials such as graphene, magnetic materials, shape memory materials, functionalized fibers, etc. Working closely with the academic partners we have developed a strong expertise in the adaptation of advanced materials to the most different needs of industrial customers, for whom we propose ourselves as reliable, flexible and competent partner.



HME devices are increasingly used to prevent damage to the tracheo-bronchial system of ICU patients. MEDFil's goal is to design devices for the protection of the respiratory tract, through the administration of a humid and hot technical gas and the early detection of microbial agents.



Graphene & other
2D materials

Biomedical
nanomaterials

Photovoltaic
materials



Magnetocaloric
materials

Lighting materials

CREATIVE INDUSTRIES

MISTER provides technologies and skills for culture and creativity. We offer solutions for cultural heritage monitoring such as sensors for environmental parameters and damaging agents, digital devices supporting conservation and restoration activities (i.e.: advanced AR glasses provided with sensors) and diagnostic systems predicting potential dangers to cultural heritage. We offer solutions for customization and functionalization of products in fashion and craftsmanship based on additive manufacturing technologies, integrated sensors, advanced electronic and lighting devices. We work with clients studying the best approach adding technological value to products opening a new dimension of development to designers' creativity.



Custom & commercial
sensors



Mechanical
design &
packaging



The WE LIGHT project aims to design and develop a sportswear t-shirt prototype integrated with electronic, optical and sensor technology systems able to connect the technical t-shirt with the external environment. The aim is to ensure greater safety for those who practice road sports, in particular cyclists and runners.

Machine learning

Additive
manufacturing

Optical and lighting
engineering systems

WE LIGHT



**EXPLOIT NEW
BUSINESS
IDEAS**

**CONNECTING PEOPLE & IDEAS
SINCE 2009**

LABORATORIOMISTER.IT

THE BOLOGNA CNR TECHNOPOLE

Since 2017 MISTER has been in charge of the Tecnopolo Bologna CNR management activities. The Tecnopolo is meant to be the privileged access point to the Industrial Research Laboratories of the Emilia Romagna High Technology Network for local companies. The Tecnopolo also includes the ProAmbiente Laboratory and technical spaces dedicated to companies and start-ups established in the innovation accelerator within the CNR Research Area of Bologna. The Tecnopolo, with 2 offices and 6000mq of total surface, is equipped with state-of-the-art facilities and also includes service facilities for dissemination, demonstration and information activities.



TECNOPOLO.BO.CNR.IT

OVERVIEW

2016

2018

2020



1.100.000€

1.300.000€

1.100.000€



70 project

100 projects

130 projects



30 partners

50 partners

80 partners



50 events

100 events

120 events

CONTACTS



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