

A Research Centre for Advanced Sensors under an Agreement between STMicroelectronics and the Politecnico di Milano

Presented this morning in the presence of Minister Giorgetti

Milan, 14 June 2021 – A five-year collaboration between the **Politecnico di Milano and STMicroelectronics**, a global leader in the semiconductor industry with customers in all areas of electronics, was presented this morning in the presence **Giancarlo Giorgetti**, the Italian Minister of Economic Development.

The agreement focuses on establishing a **joint research centre on advanced materials for sensors (STEAM)**. Based on the longstanding collaboration between ST and the Politecnico, the centre was created to give professors, researchers and PhD candidates in Italy a unique opportunity: the means to conceive, design and develop **MEMS** (Micro-Electro-Mechanical System) technology and develop new products.

The agreement will allow the Politecnico di Milano to become even more attractive to talented scholars, with multiple **doctoral fellowships and positions for professors and researchers** in four areas of common interest and in the field of related materials.

This expansion of the existing collaboration will enable further development of the centre of excellence dedicated to cutting-edge sensors in Lombardy.

The agreement also covers **upgrades for major infrastructure**, starting with the construction of a state-of-the-art 200-mm pilot line to support **PoliFab**'s current 150-mm clean room. Dedicated to developing new MEMS technologies, the new pilot line will be used to support research, training and thesis projects.

*'The Politecnico di Milano and STMicroelectronics research centre is the result of an extraordinary commitment to joint activities on key topics such as sensors and artificial intelligence,' the RECTOR of Politecnico di Milano, **Ferruccio Resta**, emphasised. 'This investment aims to revolutionise the manufacturing sector, a driver of the Italian economy. The laboratory, which is open to companies, is part of an ambitious project to create a real innovation district in the Gasometer Park in Bovisa. A real ecosystem of international importance will develop, competing with the best foreign facilities. This centre of excellence reflects the interaction between public and private entities, between universities and companies, situated among the*

university's strategic activities, which are increasingly aimed at developing advanced research and territorial competitiveness.'

*'The agreement between ST and the Politecnico di Milano will make important contributions to our research and development activities in the field of MEMS sensors and technologies. It is an excellent example of what can be achieved as part of our global approach to cooperative research with universities and research institutions: supporting cutting-edge technologies and engineering ecosystems where ST is present, developing talent to build the future together,' said **Jean-Marc Chéry**, President & CEO of STMicroelectronics. 'We see significant opportunities and value in this collaboration because it allows us to understand and develop technologies and skills that enable us to meet our future needs in areas such as advanced and bio-inspired MEMS, motion control, power electronics and galvanic isolation.'*

*'I am happy and proud to be here today for a double appointment that expresses an essential synergy between the Politecnico di Milano and STMicroelectronics, a Made in Italy group of excellence in the production of semiconductors, a strategic sector for our economy and development,' said the Minister of Economic Development, **Giancarlo Giorgetti**. 'I believe that MISE must play a fundamental role in promoting our national industries and on this occasion, I want to confirm my personal commitment to the development and enhancement of Italian production, which must regain an important role among the global economy.'*

Information about the Politecnico di Milano

The Politecnico di Milano is a scientific-technological university that trains architects, engineers and industrial designers. The university has always focused on quality and innovation in courses and research activities, developing fruitful relationships with business and the production sector through experimental research and technology transfer.

While always focused on teaching, the Politecnico di Milano views research as a key commitment that has allowed it to achieve high quality results on an international level, tying it closely to the business world in parallel with multiple collaborations and industrial alliances.

Information about STMicroelectronics

With 46,000 employees, ST develops and manufactures semiconductors for all applications, with a state-of-the-art manufacturing infrastructure. An independent device manufacturer, ST serves more than 100,000 customers and works with thousands of partners, designing and building products, solutions and ecosystems to meet emerging challenges and opportunities for a more sustainable world. ST technologies enable smarter mobility, more efficient power and energy management, and large-scale deployment of IoT and 5G technology. For further information, visit www.st.com.

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