

**Post-high-school technical training:
Mitsubishi Electric collaborates
with ITS Prime to help students acquire
the skills required by Industry 4.0**

*The partnership with the Tuscan high specialization
technical school started in 2019, continues with
a new robotics course which aims at creating a connection
between high school training and companies*

*Aware of the importance of high school training, since 2020
Mitsubishi Electric is also a member of Fondazione Prime:
further strengthening of mutual collaboration and
educational programs*

Agrate Brianza, 27 April 2021 – A deep change in the Italian employment environment is taking place, highlighting a growing need for specialized technical profiles that businesses need to promote their innovation processes. In this context, technical high schools (ITS), born out of the collaboration between business, schools and certified professional training organizations, represent an important resource and are key in connecting educational and industrial policies to support the country's economic development and competitiveness.

The Italian institutions' recent interest in these schools and their training programs comes from the deep connection they create with businesses and communities, and this is part of the grounding of the **collaboration between the Istituto di alta specializzazione tecnologica ITS Prime in Florence and the Factory Automation Division of Mitsubishi Electric to set up robotics courses**, which has been in place since 2019.

For Mitsubishi Electric training is key to spread a culture of automation and satisfy market needs by accelerating innovation and technological development.

ITS Prime is a Tuscan technical high school which develops study plans that represent an alternative to University training in advanced

mechanics, mechatronics and information technology. These are conceived to favour the quick entry of highly specialized figures in the workforce and is addressed to students who have graduated from high school. It offers hands-on technical training combining classroom lectures with lab work and internships at partner companies, and helps students acquire the essential skills required by Industry 4.0.

In 2020, the AcadeMy program of the Factory Automation Division of Mitsubishi Electric, pursuing its goal of developing a training plan not just for industry, but also for school, created a five-lesson course held by the company's Application Engineers who covered different aspects of robotics: maintenance management, safety, basic programming, designing a robotized island, and tracking systems.

Thanks to the use of Mitsubishi Electric **robots in the classroom** and to the **simulation software** installed in each workstation, lessons combine theoretical and practical aspects engaging students and encouraging them to interact, applying the same workflow they would use in a company.

The success of this training experience led Mitsubishi Electric and ITS Prime to **offer a new course on robotics in 2021**, which is set to start in **May** and offering a virtual tour of the Automation & Mechatronics District.

The collaboration with ITS Prime is part of Mitsubishi Electric's commitment to training the talents of tomorrow starting from secondary school through [Mentor ME](#), a free platform supporting technological teaching which is available nationwide and allows students to safely undertake PCTO initiatives.

Furthermore, since December 2020, Mitsubishi Electric has been part, as a participant member, of the Fondazione Prime founded in Tuscany in 2011, with the aim of satisfying local companies' demand for highly qualified technicians in the mechanical, mechatronic and IT fields.

“For many years the Factory Automation Division of Mitsubishi Electric develops technical training offers for specialized technical high schools,

recognizing how this type of training is a pillar of the educational system and anticipating the Italian Government's goals to cover the request of technical graduates", commented **Matteo Cerutti - Division Manager, Mitsubishi Electric Factory Automation & Mechatronics CNC**. "In Italy, the gap between supply and demand for technical professions is still large compared to other European countries and the number of young people who achieve these qualifications is limited. But it is also clear to observe that the great majority of students graduating from ITS schools quickly find employment and very often the profession is consistent with the studies carried out. For this reason, educational training proposals such as ours are important to close the gap and to cover the priority areas of the economic and competitive development of our country, promoting innovation processes in strategic areas".

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Mitsubishi Electric

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For additional information please visit website:
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*(*rate of Exchange: 111 Yen - 1 USD. Source Tokyo Exchange Market on 31.03.2021)*