

PRESS RELEASE

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Tenova and ORI Martin Launch their Lighthouse Plant “Acciaio_4.0”

At MECSPE 2019, Tenova and ORI Martin will present their Lighthouse Plant “Acciaio_4.0”, a project which aims to create a Cyber Physical Factory by integrating the enabling technologies of Industry 4.0 in the steelmaking process.

Castellanza, March 26, 2019 – On March 28-30, Tenova – a company of the Techint Group specialized in innovative solutions for the metals and mining industries – and ORI Martin – one of the main European integrated steel groups specialized in high-quality steel for the automotive, fastener, mechanical and building sectors – will attend the 2019 edition of MECSPE, the most important event dedicated to the Italian manufactory industry, which will take place in Parma (Italy).

The two partners will present their project “Acciaio_4.0” in the “Innovation Tunnel”, a special area at the entrance of the fair, completely dedicated to the Lighthouse Plants – four innovation projects selected by the Italian Smart Factory Cluster (**Cluster Fabbrica Intelligente**), on behalf of the Italian **Ministry of Economic Development**.

“Acciaio_4.0” aims to develop a **Cyber Physical Factory** that, thanks to the enabling technologies of Industry 4.0, will allow the vertical, horizontal and transversal integration of the entire steel making process, making it more efficient, flexible and sustainable. This project entails a total investment of **€14 million** – of which €8.5 from public funds – in a R&D plan with the goal of creating the first model of massive application of the Fourth Industrial Revolution’s most innovative technologies at ORI Martin.

In the project, ORI Martin is system integrator of Industry 4.0 technologies, transforming its steel plant in Brescia into a **smart factory** that has the ambition of becoming an innovation model in the sector, not only at the Italian level.

Tenova, as industrial technological partner, works to design innovative models of integrated process control for the plant, using smart sensors (IoT) and gathering data in cloud systems to develop applications of Machine Learning, remote support and predictive maintenance, taking into big consideration **environmental sustainability, people’s safety and data security**.

In addition, the project has the objective to establish a network with **academic and research institutes** of excellence, as well as with highly specialized **SMEs**, giving them the opportunity to grow and gain a foothold in the national and international market, increasing their competitiveness.

“In a sector like the metals one, characterized by a high level of volatility and cyclicity, it is fundamental to adopt a flexible production process, able to promptly respond to market demand, both in terms of quality and quantity. This is the model we want to introduce with our project, through the

*enabling technologies of Industry 4.0. Tenova is ready to face the challenge of Digital Transformation together with an excellent partner like ORI Martin, with whom we have collaborated for several years to make the steel making process more innovative and environmentally friendly”, said **Andrea Lovato**, Tenova CEO.*

*“We decided to join this initiative with determination, absolutely sure of the positive advantages that this new factory model will bring to ORI Martin. In addition, we are proud that this partnership has been selected among the first four Lighthouse Plants by the Smart Factory Cluster (CFI), giving a concrete example of digital transformation to the metals industry”, commented **Uggero De Miranda**, President of the Board of Directors at ORI Martin.*

About Tenova

Tenova, a Techint Group company, is a worldwide partner for innovative, reliable and sustainable solutions in metals and mining. Leveraging a workforce of over three thousand forward-thinking professionals located in 22 countries across 5 continents, Tenova designs technologies and develops services that help companies reduce costs, save energy, limit environmental impact and improve working conditions.

For more information, visit www.tenova.com