

PRESS RELEASE

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Microsoft and Tenova Strengthen their Partnership to Innovate the Metals Industry

Microsoft and Tenova renew their collaboration with the aim of guiding companies of the metals industry in their digital transformation journeys. ORI Martin and Tenaris are among the companies that have already benefited from this partnership, thanks to technologies that enable better data management.

Castellanza, September 07, 2020 – Microsoft and Tenova, a Techint Group company specialized in innovative solutions for the metals and mining industries, [strengthen their partnership for Industry 4.0](#). Leveraging on the **Microsoft Azure** platform and Tenova's innovative solutions for the steel industry, the two companies aim to lead the digital transformation of the sector, which plays a key role in the global economic growth, manufacturing products for a total value of \$2,500 billion each year and employing more than 6 million people worldwide¹.

The goal of this renewed partnership is to provide Italian companies in the metals industry with industrial solutions based on **Artificial Intelligence technology**, in order to give value to the large amount of data coming from industrial plants, with the goal to monitor their operations and performances, as well as guaranteeing the quality of the final product.

This collaboration is grounded on three main pillars: **predictive monitoring and maintenance** – which allow to establish the health status of plants, to modify production parameters to ensure high performance and minimize downtime; **optimization of operations and internal process management** – to improve productivity and scalability in a safe and sustainable way; **collaboration and constant commitment to innovation** between technology experts and plants operators (the so-called "**human factor**") – capitalizing on the insights related to the use of the machinery thanks to sector-specific knowledge and expertise, so as to transform raw data into relevant information.

Several companies have already adopted Tenova's solutions enhanced by Microsoft technology, including **ORI Martin** – steel company based in Brescia specialized in the production of high quality steel, Tenova's partner in the ambitious **Lighthouse Plant "Acciaio 4.0"**. The aim is to transform the production site of Brescia into a **Smart Factory** thanks to the application of the enabling technologies of Industry 4.0., thus becoming a model of innovation within the sector, not only at national level.

Tenaris, one of the world's largest manufacturers and suppliers of steel pipes and services to the global energy industry, also established a team of data scientists whose mission is to overcome industrial challenges and exploit digital solutions. Since then, Tenaris has initiated a great variety of use cases related to industrial processes, some of which in collaboration with Tenova and Microsoft, aware that the ability to process and interpret large amounts of **real-time data** plays a crucial role in supporting business continuity globally.

¹ "The Role of Steel Manufacturing in the Global Economy", The World Steel Association, May 2019

*"We are proud of the results achieved so far thanks to the collaboration with Microsoft, through which we have been able to integrate advanced features of the enabling technologies of Industry 4.0 into our systems, with the objective to support customers more effectively in achieving their business goals," said **Antonio Catalano**, Head of Digital Transformation at Tenova. "In the future, we intend to continue to invest in this collaboration to innovate our solutions and to guide steel companies in a radical process transformation, rethinking management models completely and restructuring the organization following entirely new paradigms. Greater network connection and a more efficient use of information will solve many of the industry's current problems, from supply chains in remote locations to market fluctuations, as well as the potential workplace dangers, increasing safety for operators".*

*"The Italian steel industry has a long tradition, contributing significantly to the competitiveness and growth of the Italian economic fabric, characterized for the quality of its products. In order to continue to face new challenges from global markets with players of greater production capacity, it is increasingly necessary to focus on new technologies and production process innovation, aspects that will prove decisive for the success of our companies in the coming years. This is why we have chosen to further strengthen our collaboration with Tenova, a leading company which has distinguished itself in recent years by its ability to leverage our Cloud and its associated artificial intelligence and machine learning capabilities, offering highly innovative services to guide steel companies towards the future," commented **Fabio Moioli**, Director of the Enterprise Services Division at Microsoft Italia.*

About Tenova

Tenova, a Techint Group company, is a worldwide partner for innovative, reliable and sustainable solutions in metals and mining. Tenova, including its TAKRAF affiliates, leverages a workforce of over 2,500 forward-thinking professionals located in 19 countries across 5 continents, who design technologies and develop services that help companies reduce costs, save energy, limit environmental impact and improve working conditions.

For more information, visit www.tenova.com