

PRESS RELEASE

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New Tinning Line with Insoluble Anodes for High Quality Strip to PERSTIMA, in the Philippines.

Castellanza, January 11, 2021 – Tenova, a leading company specialized in innovative solutions for the metals and mining industries, has been contracted for a 200,000 ton/year new high-speed electrolytic tinning line with insoluble anodes by **Perusahaan Sadur Timah Malaysia (PERSTIMA) Berhad**, premier producer and supplier of high quality tinplate in South East Asia. This cutting-edge technology will be implemented in PERSTIMA's plant in Batangas (Philippines).

The electrolytic combined tin-plating and tin-free steel line will work at 550 meters/minute at entry/exit and 420 at the process section, for annual production of 200,000 tons. The steel strip will be 550-1000 mm wide and 0.10-0.60 mm thick, and the line will process all the main grades of steel for a product mix which will satisfy the most recent demand of the high-quality market. A minimum tin coating thickness of 1.1 g/m² is guaranteed.

The line is equipped with a dedicated section (cells and recirculation equipment) for the production of tin free steel process as well. Tenova will provide the state-of-the art automation with an enhanced Web-Based Level 2 and Roll Management Software to automatically schedule roll activities in the processing line.

“Tenova insoluble anodes technology will permit an easier handling of the process section with highest safety for the operators. Tenova developed an advanced system for the tin-dissolution reactors, achieving very low tin losses in the sludges. This represents a very positive aspect both for economic and environmental reasons”, affirmed **Giuseppe Zanzi**, Tenova Italmimpianti & Strip Processing Sales Manager SEA & India. *“This new project will allow our customer to address the request of higher quality tinplate and TFS in the region, confirming our position in high-standards tin-plating market, after previous important contracts in Spain and in China, among the others”,* affirmed **Stefano Marelli**, Tenova Global Sales Manager South East Asia.

Finally, a further improvement in the quality of the tin-plate has been achieved through the development of special edge-masks. These devices prevent the “white edge defects” due to tin overcoating at the edges while processing strips with different widths. In addition, Tenova edge-mask design guarantees easy inspection and access to the cell.

Tenova Insoluble Anode Technology with IGBT Rectifiers globally permits a large operating saving in tin and electrical consumption, guaranteeing the top of quality. The electrolytic line is expected to be put into operation by Q4-2021.

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.

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