

ESTEP has already a track record of success over a number of years, during which it has operated under the umbrella of the European Steel Association (EUROFER).

“We decided to be founding member of ESTEP because we believe that Tenova, as provider of innovative and sustainable solutions, can bring a valid contribution to the attainment of the new organization’s strategic mission. Collaboration among multiple stakeholders creates synergies to further step up the efforts towards a sustainable EU steel industry”, stated Andrea Lovato, Tenova CEO.

Tenova’s strong commitment to support ESTEP in enhanc-

ing innovation and sustainability across the industry was confirmed by the appointment of Roberto Pancaldi, Tenova Metals CEO, to the Board of Directors – together with Axel Eggert (EUROFER), Carl De Maré (ArcelorMittal) and Eva Sundin (Swerea).

“It’s an honor to be granted a seat in the Board. I really appreciate the activities that ESTEP has been carrying on throughout the years and I am confident that Tenova’s commitment and positive attitude at cooperating will be an asset to the organization”, said Mr. Pancaldi.

Tata Steel launches Sm@rtFAB - India’s first branded welded wire fabric

Tata Steel recently launched Sm@rtFAB, a new construction reinforcement solution. This is India’s first branded welded wire fabric, commonly known as wire mesh. The prefabricated reinforcement solution, which was unveiled at a function held in Dubai on March 22, 2018, aims to bring speed, value and convenience to construction projects.

Mr T V Narendran, CEO and MD, Tata Steel, and Mr Anand Sen, President TQM & Steel Business, Tata Steel, formally unveiled Sm@rtFAB at the inaugural Construction Conclave that was organised by the Industrial Products, Projects and Exports (IPPE) department of Tata Steel in Dubai, in the presence of valued customers, eminent construction experts, speakers and representatives from Tata Steel Europe and Natsteel.

With Sm@rtFAB Tata Steel strengthens its portfolio of construction and house building solutions and establishes its innovative and technological proficiency.

Sm@rtFAB is made of cold worked and ribbed wire rods which are fused together using electrical resistance fusion welding giving the fabricated sheet the desirable strength to be used as reinforcement. It is available in diameters ranging from 5 mm to 12 mm in an interval of 1 mm and is completely customised as per the project’s design requirement. Tata Steel



produces a wide range of reinforcement products which serve major construction companies across India.

Pune Techtrol collaborates with South Africa’s Allpronix to offer advanced laser-level measurement in India

Laser level Measurement and Process Automation specialist for various industries, Pune Techtrol Pvt. Ltd. has now embarked on nationwide distribution of a breakthrough,

South African technology in India. For this, it has inked an agreement with Allpronix which comprises exclusive sale and distribution rights of a new series of laser-level transmitters.

This marks the advent of a new era of laser-level measurement in India.

A laser-level/distance transmitter functions by leveraging a high-speed laser pulse for distance measurement. Pune Techtrol will distribute the first laser-level transmitters of their variety to possess a programming keypad and an onboard display. The AL40 model can measure from 10 centimeters to 40 meters, while the AL100 model can measure from 10 centimeters to 100 meters. They have an optional dust tube, which enables to retain a dust-free lens for a long duration. They boast of a precision of 0.1% FS.

Pune Techtrol awaits new avenues in Indian industries such

as Coal and Mining, Food and Beverages, Chemicals and Fertilizers, Cement, Steel, Plastic and Wood Chips, Paper and Pulp, and many pertinent domains with this tie up. It can soon leverage its existing, well-established distribution and sales network in India to the advantage of current and new customers.

Allpronix; which is based in Randburg, South Africa; has garnered a reputation of supplying the latest-technology, economical, and supreme-quality Process Control and Industrial Networking instrumentation. It is second to none in flawless customer service backup and support for all its products.

Steel Dynamics to revamp push-pull pickle line with Umlauf Bridles

BTU Bridle Technology has received an order from SES Engineering LLC covering the design, construction and supply of three Umlauf Bridles for a revamp of a push-pull pickle line operated by Steel Dynamics Flat Roll Group (SDI). After the revamp that pickle line will be the first in the world to use exclusively Umlauf Bridles to transport the strip through the line. Umlauf Bridles build up strip tension high enough to ensure that also thick-gage and high-strength strip will leave the pickling line leveled. Once revamped, the pickle line will be able to operate at much higher speeds than before, as scale breaking will be much more intensive.

SDI expects from the pickling line revamp in Columbus/Mississippi, for which SES acts as general contractor, above all a solution capable of producing very high strip tension in the line. Therefore SES chose the Umlauf Bridle technology from BTU. Thanks to their special design, Umlauf Bridles of the latest 3.0 generation are able to apply much higher forces onto strip in processing lines than conventional bridle roll units. What is more, Umlauf Bridles distribute the strip tension extremely uniformly across the complete width of the strip.

The first of the three Umlauf Bridles will be arranged directly behind the pay-off reel. There it will immediately bite the very first centimeters of the head of the up to 13 mm thick and up to 1,880 mm wide strips and guide them into the stretch-leveler. The stretch-leveler will be supplied by SES. In connection with the second Um-



SDI's push-pull pickle line in Columbus will be the first in the world to operate with three Umlauf Bridles

lauf Bridle arranged behind the leveler, strip tensions of up to 1,250 kN can be reached during stretch-leveling. A very intensive scale breaking effect will result from the thus achieved elongation rates of 0.5 to 1.0 percent. This will make it possible to operate the line at speeds of up to 150 m/min.

As the strip is actively pulled through the leveler by the Umlauf Bridle, no roller drive equipment is required in the leveler. This reduces investment and maintenance costs and prevents roller slipping.

The second Umlauf Bridle pushes the leveled strip into the pickling tank, and the third one will be arranged at the run-out to bite the head of the pickled strip and guide it into the recoiler. At the same time, it creates the strip tension needed to produce exactly wound coils.

Daniel Cullen, Senior Sales Manager of SES Engineering, explains the reasons for choosing the Umlauf Bridle technology: "The most important aspect for us was to find a technology that would be able to reach very high strip tension and allow us to control that strip tension in a very precise way. Apart from that, the simplicity of the Umlauf principle convinced us: we will be able to set the right strip tension exactly where in the line we need it – without any conventional bridle rolls, driven rollers in the leveler or an additional braking unit. Moreover, in future stretch-leveling