

Feature



SIEMENS EQUIPS NEW PROCESSING LINE FOR BLUESCOPE INDONESIA



Siemens Metals Technologies has received an order from PT BlueScope Steel, Indonesia, to equip a new integrated zinc-coating and painting line. The processing line will be installed at the Cilegon site and is designed for an annual production of 175,000 metric tons of Zinalume® steel. The order value is in the two-digit million Euro range. The new facility is scheduled to start operating in the spring of 2010.

PT BlueScope is a subsidiary of the Australian company, BlueScope Steel Ltd. In Cilegon, around 100 kilometers to the west of Jakarta, the company operates the only production facility in Indonesia that produces coated and painted steel products. Due to its good experience with its processing line in Thailand, which was also equipped by Siemens, BlueScope chose Siemens technology to equip the new line. As a result of the new equipment, the plant's annual production capacity will be expanded to 275,000 metric tons per year.

For the integrated galvanizing-painting line, Siemens is engineering and supplying all the mechanical and electrical components as well as the basic and process automation systems. An inline skin pass mill with subsequent tension

leveler is also part of the scope of supply. A Siemens roll coater will be used for painting. The layout of the installation will allow rapid production changeovers, which will increase the flexibility of BlueScope when the market demands changes.

The electrical equipment includes the medium-voltage distribution system, all the drives, the basic and process automation systems and parts of the manufacturing execution system (MES) level. The operator control and visualization equipment, which features user-friendly process and plant diagnostic functions, is easy to control and will make a significant contribution to fully automation operation of the lines. Special control functions for strip movement will ensure a stable high production speed and prevent damage to the strip even in critical sections such as the furnaces. The components, systems and technological controllers used are part of the "Siroll PL" integrated and modular automation solution, which was specially developed for rolling mills and processing lines. Siemens will also perform commissioning and customer training.