



Contribution ID: 409

Type: **Oral Presentation**

A significant example of successful revamping of a wire rod line for the production of special steels

Wednesday 8 October 2025 14:40 (20 minutes)

What are the product characteristics that the special steels market currently demands?

Quality, quality and quality. In terms of dimensional tolerance, achievement of specific and consistent mechanical properties, very high surface and internal integrity of the finished product. To meet these characteristics Kardemir Çelik Sanayi, a leading Turkish special steel producer exporting to more than 110 countries, has chosen Danieli to revamp its existing wire rod line for specialty steel production.

In particular, was chosen to install Danieli's latest and most modern technologies, such as the high-speed shear to remove on line head and tail of the product and avoid the use of operators in finishing area, the water line for the application of the in line Thermomechanical process to increase the metallurgical quality of the rolled products, and the TMB (Twin Module Block) the sizing unit that allows to achieve unbeatable dimensional tolerances.

These equipment and processes have enabled the partner company to gain an even more prestigious place among the world's special steel producers.

Primary author: CIMOLINO, Maicol

Presenter: CIMOLINO, Maicol

Session Classification: Automation & Digitalization

Track Classification: Rolling of long and flat product