

Feralpi Siderurgica has chosen AIC to improve roughing area and intermediate shear.

Commissioning was performed during the Christmas 2021 halt, in order to upgrade and align the performance of rolling mill #2 in Feralpi Siderurgica's plant, Lonato (BS, Italy), demonstrating the long-standing collaboration between Automazioni Industriali Capitanio (AIC) and one of the European leaders of rebar production.

The project primarily involved the installation of a new control panel for two roughing area stands (G2 & G5) and an intermediate shear (S6), both of which are powered by ABB ACS880 drives. Components for safety have also been included.

The goal is to optimize and expand the client's production flexibility, thanks to improved motors control, both for shear and stands. This will enable a more linear production process with fewer interruptions throughout time as well as optimal management of all phases.

The communication networks were also adapted, with the modification of the drive interface and the PLC Master for interblocks management, as well as the migration from Profibus to Ethernet communication.

As proof of our commitment to meeting our customers' requirements, tasks were completed on schedule, despite the restricted time available, managing to cope with the criticalities of the supply.



Figure 1 – Drives fitted in the control panel for the project.

AIC Automazioni Industriali Capitanio sites:

- Italy (Headquarters, Engineering & Workshops)
- United States of America (Sales & Service)
- India (Sales, Engineering & Service)
- Brazil (Sales, Engineering & Service)

AIC is a global system integrator providing advanced and tailored automation and robotic solutions for the steel industry, with the aim to continuously improve both efficiency, competitiveness and safety of the production processes. With more than 1000 applications worldwide and more than 45 years of history, AIC can boost a unique experience in both greenfield and revamping projects in meltshops and long products rolling mills.

The Feralpi Group is one of the leading European manufacturers of steel products for the construction industry. The Group is headed by Feralpi Holding S.p.A. Over the years, the Group's development plans have covered the acquisition of major companies in Italy and other European countries. With a total workforce of over 1500 permanent employees in Italy, Europe and North Africa, the Group turns out over two million tons of steel and rolled products a year.

For more information:



Mattia Campanini
Email: mattia.campanini@aicnet.it
Tel: +39 0365 826333

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