

AIC successfully completed the rolling mill modernization at Acciaierie di Sicilia (Alfa Acciai Group) in Catania (CT), Italy

Automazioni Industriali Capitanio (AIC) successfully completed the rolling mill modernization as a technology partner at Acciaierie di Sicilia (Alfa Acciai Group) in Catania (CT), Italy.

The new project includes the installation of 6 new roughing stands (supplied by Danieli) and the renovation of the rolling mill automation system.

AIC supplied all engineering, electrical and automation (E&A) equipment for the new roughing mill:

- 6 ABB 500 kW AC motors and relative ACS880 820A drives in multidrive configuration with DC Bus;
- ABB ACS880 drives in single-drive configuration for auxiliaries;
- Logic panels equipped with Rockwell ControlLogix PLC;
- Turn-key electrical and automation (E&A) supply with new automation and supervision software. More specifically, new automations parts are from the furnace exit to the cooling bed entrance, including high speed shears and the cooling bed discharge that will be installed in the second phase during New Year holidays;
- New HMI system.

Special attention was given to the safety management through the new PLC cabinets that increased the functionality of the system already implemented by AIC in 2016 and 2017.

The control system of the rolling mill was also replaced: from the legacy system with the control boards to a state-of-the-art system based on Rockwell's PLC and HMI and integrated control platform AIC RACS (Rolling Mill Automation Control System). This allowed to install all the advanced features of AIC's RACS system, such as: process control of the rolling mill (tension and loop regulation, material tracking); control of two intermediate shears; etc.

Moreover, Gennaro Briigliodoro (Production Manager of Acciaierie di Sicilia) mentioned that the team of AIC is "professional, well trained, quickly responds to incoming requests and has 360° competences".

The production has started at full capacity since the first week.



AIC Automazioni Industriali Capitanio sites:

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



ACCIAIERIE DI SICILIA has formed as part of ALFA ACCIAI Group since its foundation in 1998 and it is the only steel mill in operation in Sicily. Located in the industrial park in Catania, the mill produces reinforcing steel for concrete in bars and coils, using EAF technology and ferrous scrap collected from all over Sicily. High-production capacity, state-of-the-art technology, and a wide range of products allow the company to set up an efficient supply chain with customers and suppliers, by providing job to hundreds of people. Due to its geographical position, the company is Alfa Acciai Group's benchmark for the Southern Italy market and for export to other Mediterranean countries.

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 40 years of history, AIC can boost a unique experience in both greenfield and revamping projects in meltshops and long products rolling mills.

This press release is available at

- <http://www.aicnet.it/rassegna-stampa/>

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