

## **AIC will revamp the automation control system of Acindar Bonelli Rolling Mill (Argentina)**

AIC has been awarded from Acindar Bonelli, part of ArcelorMittal Group, for the complete revamping of Automation control system of Tren Bonelli located in San Nicolás, Argentina

The scope of supply includes new PLC hardware as well as PLC and SCADA software development, according to the following main steps:

- New electrical & PLC cabinet suited with ABB AC800 PLC and Siemens Simotion for the control of Pre-Roughing mill and Shear T4 that are going to be added to the roughing stands already controlled by AIC system and supplied in 2015.
- New RIO cabinets and set of local desks to control and command Hydraulic and Lubrication units
- Upgrade of existing PLC racks for the network optimization.
- PLC software development and, in particular:
  - Control system for the whole mill
  - Shears control
  - Control of Cooling bed and Finishing area
  - Control of new cold shears and tails removing
  - Auxiliary services management (Hydraulic, lubrication and cooling units)
  - Interface with Reheating Furnace and Stacker control systems
- SCADA supervision software and Wonderware Intouch licenses and versions upgrade
- Fine tuning of the mill drives
- PDA iba system for data collection, storage and analysis
- Engineering, manuals and technical documentation
- Factory acceptance test in AIC
- Commissioning, production assistance & training

The project will require a careful engineering phase, because of the challenging time constraints, as well as a careful planning of the different commissioning steps, in order to allow the customer to minimize the plant shutdown and to meet the delivery requirement (July 2016).

This job follows different previous revamping projects performed by AIC from 2014 to 2016 for Acindar Bonelli and will strengthen the fruitful cooperation relationship between the companies.

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AIC is a global system integrator providing advanced and tailored automation solutions for the steel industry, with the aim to continuously improve both efficiency, competitiveness and safety of the production processes. With more than 800 applications worldwide and over 40 years of history, AIC can boast an unique experience in both greenfield and revamping projects in long products rolling mills and continuous casting machines.

*Nowadays, ACINDAR GRUPO ARCELORMITTAL is part of the No. 1 steel producing group in the world. With operations in over 60 countries and around 300,000 employees, it produces more than 100 million tons per year, which represents approximately the 10 % of the world production. [www.acindar.com.ar](http://www.acindar.com.ar)*

This press release is available at

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

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