

New AIC reheating furnace in operation at Gerdau Divinópolis

Automazioni Industriali Capitanio Srl (AIC) will complete a modernization in the reheating furnace of Gerdau's Divinópolis site in Brazil with a two new PLC ABB AC800M panel solution at the medium bar rolling mill. The furnace will maintain excellent temperature uniformity and will facilitate system maintenance thanks to two different PLC applications, one for controlling the movement and another to control the combustion.

The new contract aims to mitigate any risks and improve safety level of our customer. The main part of the supply includes:

- two AC800-PM866 CPUs with the respective I/O cards to replace current PLCs
- a new HMI based on WinCC with a panel based on Siemens TP1200 Comfort
- software licenses, automation system, HMI equipment and trainings

The entire system and HMI will be completely new, but implementing all functions existing ones. The entire project will be developed by AIC South America, our subsidiary in São Paulo (Brazil). Moreover, the existing network architecture might be also developed by AIC team for future improvements.



Figure 1 – AIC's control cabinets solution.

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

Gerdau is Brazil's largest steel producer, one of the leading producers of long steel in the Americas and of special steel in the world. In Brazil, it also produces flat steel and iron ore for its own consumption. In January this year, it completes 120 years of a history marked by strength, contribution to development and legacy for a society in constant evolution. Guided by its proposition to empower people who build the future, the company is present in 10 countries and has over 30,000 direct and indirect employees in its operations. Gerdau is the largest recycling company in Latin America and uses scrap as an important input: 73% of the steel it produces comes from scrap. Brazil headquarters is a wholly owned subsidiary of Gerdau S.A.

For more information:

- AIC Group: <http://www.aicnet.it/rassegna-stampa/>
- ATS Mechatronics: <https://www.ats.ud.it>
- LinkedIn: <https://www.linkedin.com/company/automazioni-industriali-capitanio>
- Facebook: <https://www.facebook.com/AICnet.it>
- Twitter: https://twitter.com/AIC_solutions
- YouTube: <https://www.youtube.com/channel/UCuHt-UjXoKViAXImXJl3q8Q>

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