

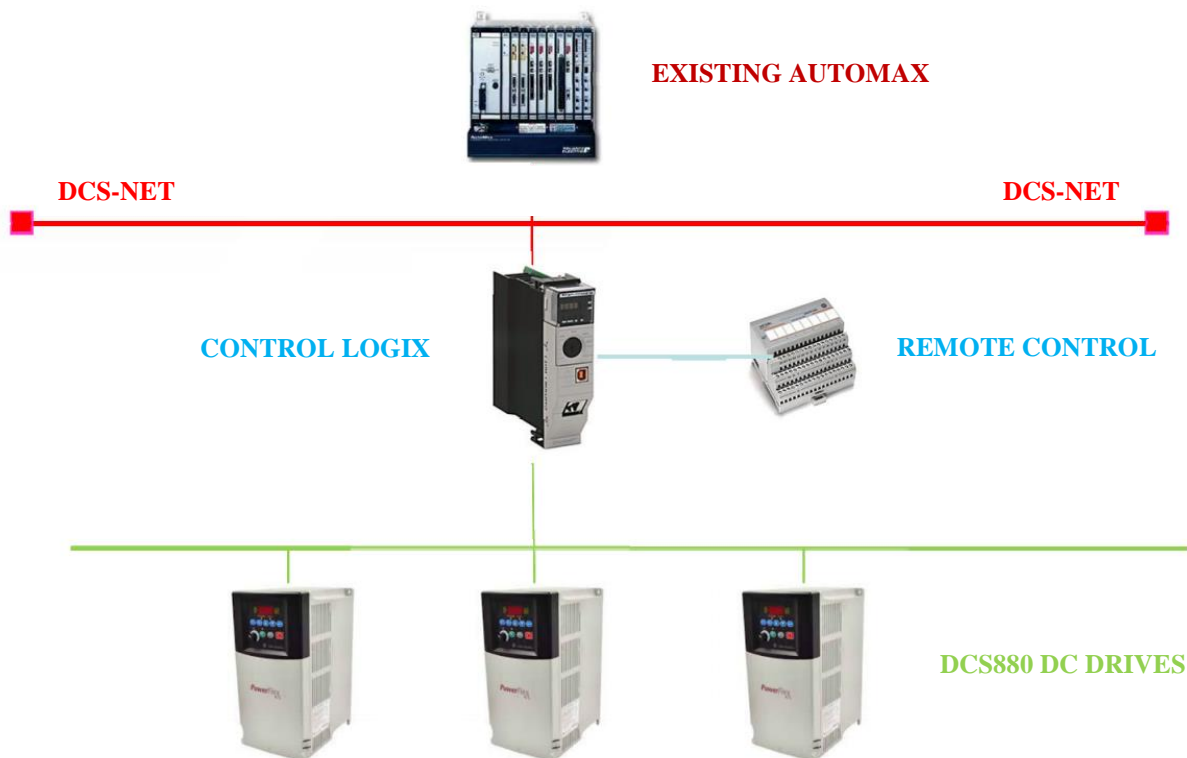
## Rolling Mill modernization at Gerdau's Laisa site in Uruguay

The upgrade at Gerdau's Laisa site in Uruguay will be completed by AIC team in order to guarantee the highest production requirements set by the customer. The automation and DC Drives revamping will focus on improving obsolete reliance drives for the rolling mill to ABB DCS880. Moreover, the new cabinets will replace the existing ones using the same current connection. For this project, AIC will supply:

- ABB DCS880 DC Drives;
- PLC software development based on Rockwell Control Logix 5580;
- Engineering and electrical drawings;
- HMI control system modifications;
- Equipment tests, supervision to erection, commissioning, training and production assistance.

Exploiting the DCS-NET (Automax) network already installed, the digital signals and analogues between the current drives and the PLC Logix will be managed by a remote control, as shown on Figure 1.

This flexible solution will be designed to keep connected to operations, improve productivity and ultimately deliver a cost-effective solution.



**Figure 1 – General configuration modernized by AIC.**

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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.

Uruguay's main steel company is long steelmaker Gerdau Laisa, owned by the largest producer of long steel in the Americas, Brazil's Gerdau. The company produces 70,000t/y, and recycles 100% of ferrous scrap generated in the country, close to 60,000t/y. It produces a variety of steel products from scrap, including bars for construction, structural and reinforced steel wire and electro-soldered steel matrices. Gerdau Laisa was founded in 1980 and is based in Montevideo, Uruguay. Uruguay 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](https://twitter.com/AIC_solutions)
- Youtube: <https://www.youtube.com/channel/UCuHt-UjXoKViAXImXJl3q8Q>

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