

AICNA for rougher mill stands drives upgrade at Gerdau Whitby

The AIC American team has led the restart at the Whitby structural mill in Toronto, after the drive cabinet and PLC/HMI modifications for the replacement of the Rougher DC drives and the conveyors 2H-3H AC drives. All drives were engineered in the same way as the Bar Mill supplied by AIC in 2018.

Namely, the modifications included the 4 rougher stands replacement with the new ABB's DCS880 drive panels. Within the project, 4 converters with master/follower configurations were added and the three conveyor stands between stands 2-3 were also replaced with ABB's ACS880 modules.

The upgrade of the existing automation & control system led to full control of the rougher stands and of the conveyor drives.

Drives alarms and interfaces were added to the existing HMI platform.

The site is owned by GERDAU GLN (part of Gerdau Group) for rebar products.



About Companies:

AIC Group is a technological partner with extensive experience and deep know-how and stands itself as a global power control supplier and system integrator designing, manufacturing, and implementing automation systems, process control, and mechatronic solutions for both greenfield and revamping projects. Focusing on the steel and metals industries for long and flat products, the Group provides cutting-edge technical solutions by handling complex project schedules and thus establishing satisfactory and remarkable partnerships through its 6 international offices.

More than 45 years of modernization for endless reliability processes.

GERDAU is a leading producer of long steel in the Americas and one of the largest suppliers of special steel in the world. Gerdau's North American business division focus on long steel (Gerdau GLN) and special steel products including beams and piling, merchant bar quality, rebar, special bar quality and wire rod products. The company serves the construction, automotive, agricultural, service center and energy markets through its vertically integrated network of steel mills, recycling, and downstream processing facilities.

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