

## **AIC to upgrade Cascade Steel Bar & Wire rod mill**

AIC has been awarded by **Cascade Steel** for the mill drives revamping of the Bar & Wire rod mill located in [McMinnville](#), Oregon USA.

This project is finalized to a deep modernization of the old ABB drives with a state of the art solution. The scope of supply includes, LV distribution panels AC & DC drives and a new safety system for a more efficient lock-out procedure, commissioning and production assistance are also part of the scope.

The main equipment to be supplied are as follow:

- #7 transformer protection circuit breakers panels
- #18 stands DC drives based on ABB DCS800 technology with SIL3 configuration
- #3 start\stop shears DC drives based on ABB DCS800 technology with SIL3 configuration
- 10# auxiliary AC drives based on ABB ACS880 technology with SIL3 configuration
- Arc flash protection devices for all panels according to new United States of America NFP rules
- Ethernet network between drives, automation and HMI
- All drives are still AF100 bus
- ABB RMC automation system and iba integration with new drives
- Safety system composed by Allen Bradley GuardLogix PLC, released coded keys, control desk and HMI
- Detail engineering and technical documentation
- Equipment tests, FAT, commissioning and production assistance

The safety system provided to Cascade steel has been already applied in the USA under the approval of OSHA. The functionalities guarantee operational time saving because there will be no need of electricians to go cutting energy directly on drives and/or feeding transformers. Also lifetime of some single equipment will be prolonged due to better utilization.

The FAT in AIC's facility is expected during spring 2017 and the commissioning during the annual capital shutdown in autumn 2017 without additional down days requirement.



*Drive panels supplied by AIC to Cascade Steel*

### **AIC Automazioni Industriali Capitano sites:**

- Italy (Headquarters & Workshop)
- United States of America (Sales & Service)
- India (Sales & Service)
- Brazil (Sales & Service)

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 boost an unique experience in both greenfield and revamping projects in long products rolling mills and continuous casting machines.

*Founded in 1968, Cascade Steel Rolling Mills is a state-of-the-art steel manufacturing facility that takes recycled metal and turns it into high-quality finished steel products. Located in McMinnville, OR (near Portland), the electric arc furnace (EAF) mini-mill produces a wide range of hot rolled products such as reinforcing bar (rebar), coiled reinforcing bar, wire rod, merchant bar and other specialty products.*

This press release is available at

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

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