

## Chicago Heights Steel contracted AIC for rolling mill upgrade.

Automazioni Industriali Capitanio was chosen by Chicago Heights Steel to perform rolling mill upgrade with electrical and automation (E&A) supply in Chicago Heights (IL, USA) that allows the plant to improve the diagnostics and the flexibility of the automation system, to reduce the time to identify problems and their solutions, to decrease unscheduled downtime and the maintenance cost. The scope of supply includes new drives, automation & HMI control system for the rolling mill, starting rougher group and going through the bars takeout on the cooling beds.

As a recognized Allen Bradley solution provider, AIC RACS (Rolling mill Automation & Control System) solution will be based on ControlLogix L8x CPUs and Rockwell Software FTViewSe HMI. The platform has been installed by AIC in 50+ plants around the world and achieved very high performances, as well as in the control of shears and its positioning. The IBA system will help the maintenance technicians in a more efficient troubleshooting, the operators to understand better the process and improve the performances of the plant. The new PLC will be available for future expansions of the system. The AIC state of the art solution will give CHS technicians the chance to get a high international level of support necessary for the plant improvement. Moreover, the new platform will allow CHS to implement a safety system and lock out procedures reducing downtime during operational activities.

The reduction of the maintenance cost will be reached by replacing obsolete components and spare parts. All new electrical equipment included in scope of supply are engineered and manufactured according UL standards and markings. All the new supplied equipment will be SIL3.



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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 boast a unique experience in both greenfield and revamping projects in meltshops and long products rolling mills.

Chicago Heights Steel has a long history of producing quality products for a broad range of industries. It holds the distinction of the largest special-market mill in the United States that rolls billet and rail steel goes back more than 100 years. In 1969, Inland Steel Company sold the Chicago Heights facility to Chicago Heights Steel, which has maintained the same level of quality and experience customers expect. Since then, Chicago Heights Steel has upgraded the facility and brought together a team of highly skilled employees who smoothly and efficiently produce a diverse line of products that offer outstanding strength, ease of use and durability for years to come.

This press release is available at

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

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### AIC Automazioni Industriali Capitanio sites:

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- United States of America (Sales & Service)
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