

Cogne Acciai Speciali chooses AIC to upgrade the finishing area in Aosta, Italy

Automazioni Industriali Capitanio has been contracted by Cogne Acciai Speciali (Aosta, Italy) for the second and final step of the design and implementation of a safety system for the finishing area of Wire rod & Garrett lines.

The project follows the first part of the cooperation between the companies based on a detailed risk analysis performed during the last year with the technical support of the Italian company NECSI, specialized in health & safety services.

The new project aims to implement all the safety improvements previously identified and, in the meantime, to completely upgrade the PLC and HMI control systems of the finishing area for both Wire rod and Garrett line.

The scope of supply will include:

- upgrade of the existing automation & control system replacing the obsolete S5 controllers with Siemens S7-1500 PLC;
- design, manufacturing, supply, electrical erection and commissioning of the new safety and PLC control cabinets;
- revamping of network interfaces and the communication between new PLC and existing control PLCs of Mill and WTP;
- implementation of new Profinet/ProfiSafe network between new PLC Master and new local equipment equipped with fail-safe cards;
- engineering of safety fences and protections, as well as access gates to the segregated areas;
- design and supply of safety locks and proper sensors for the accomplishment of safety tasks defined into the Risks analysis;
- design, manufacturing, supply, electrical erection and commissioning of the safety boxes for the management of the accesses to different areas of the wire rod and Garrett Finishing line;
- interface with the existing power control panels.

These improvements will allow the customer to rationalize and control all the accesses to a complex area and to reduce as minimum as possible the risk of injuries and the maintenance activities, thanks to a simplified and standardized procedures.

The job will also allow to dismantle and replace the obsolete systems and equipment, to avoid any possible issues of spare parts and to increase the quality & safety conditions of the operators and maintenance workers.

The commissioning will be performed during the next summer shutdown in August 2020.

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.

Cogne Acciai Speciali is one of the leading producers of stainless-steel long products. The company includes steel shop, forging shop, rolling mill, finishing department and machines shop. The production area is equipped with: EAF UHP, AOD converter, RH degassing, continuous casting, blooming mill, integrated mill, CNC machine tools. This allows to produce such products as: ingots, blooms, billets, round and flat forged, seamless tubes and profiles, bars, wire rods, etc.

This press release is available at

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

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