Press release #01
11/01/2025
USA

AIC has been awarded a new project from Aceros DM in their plant in San Luis de Potosi, Mexico

The project includes the modernization of the power and automation systems of the bar mill of Aceros DM located in San Luis de Potosi, Mexico.

The supply encompasses a comprehensive range of components, automation solutions, and engineering services tailored to enhance the operational efficiency and control of the system. The scope includes:

- **Cabinets for Main Converters:**
  A total of 21 cabinets are provided to manage the main converters for rolling mill stands and shears. These cabinets are designed to house power electronics and control systems, ensuring precise and reliable performance of the converters.
- **Automation of the Control Pulpit:**
  The control pulpit is equipped with advanced automation systems, integrating state-of-the-art control technology to provide operators with streamlined management of the production process.
- **Cabinets for Shears:**
  Dedicated cabinets are supplied for the three shears in the plant. These cabinets house the necessary control and electrical components, enabling precise and synchronized operation of Shears 1, 2, and 3.
- **Cabinets for the Rolling mill:**
  Additional cabinets are provided to support the train's operation, ensuring efficient control and seamless communication between various components within the rolling mill.
- **Remote I/Os:**
  Remote input/output modules are included to facilitate distributed control and data acquisition. These modules ensure efficient and reliable communication between field devices and the central control system.
- **PLC Programming:**
  Programmable Logic Controllers (PLCs) are programmed to handle complex control tasks, ensuring seamless operation of the entire rolling mill.
- **Human-Machine Interface (HMI):**
  Fully integrated HMI system based on virtualized platform and on server-client base is provided for the rolling mill, offering an intuitive and user-friendly interface for operators to monitor and control the complete process. The HMI enhances usability and process visibility.
- **Control Pulpits:**
  These pulpits integrate displays, controls, and communication systems for managing various operations.
- **Level 2 System for the Heating Furnace:**
  A Level 2 automation system is supplied for the heating furnace, providing advanced supervisory control and data management capabilities. This system enables optimization of furnace operations through real-time monitoring and analysis.
- **Engineering and Services:**
  The supply package includes detailed engineering services, such as system design, installation, commissioning, and after-sales support. These services ensure smooth implementation and long-term operational reliability.

Together, these components and services represent a fully integrated and advanced automation solution, designed to meet the specific requirements of the operation while enhancing productivity, control, and system efficiency.

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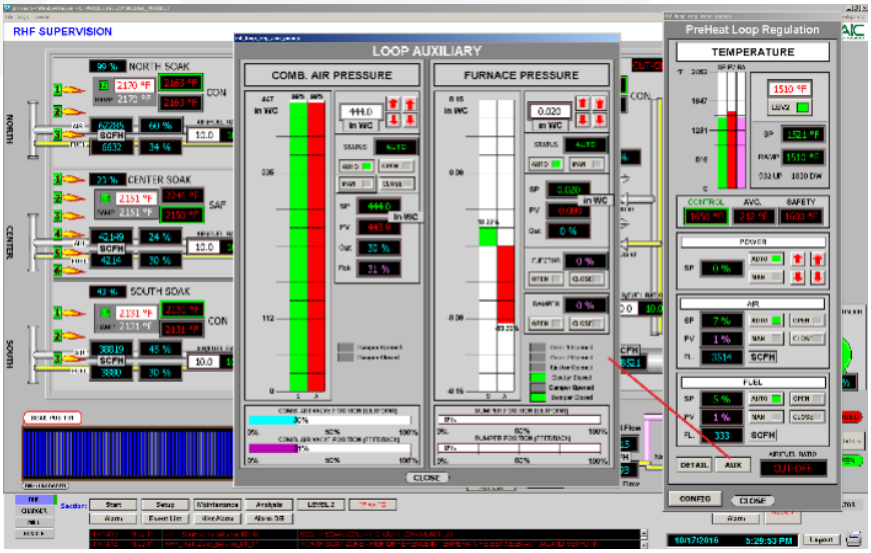

About Companies:

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.

Aceros DM laminates and manufactures reinforcing rod for concrete from 5/16″ to 1 1/2″, wire rod, squares and rounds. It is a national reference in the steel industry in the country, its modern facilities allow a high level of optimization, since its automations from Italian machinery guarantee a production of the highest quality, always complying with international quality standards that the market requires.

For more information:

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