

## **AIC to supply new control system for Fast Finishing area for Line A and Line B of African Industries Ltd, Nigeria**

AIC has been awarded from the Nigerian Company, African Industries Ltd to design and supply a **new control system** for the Fast Finishing area of the Line A and Line B of the bar mill supplied by Taiwanese OEM.

The contract signed the last October is the starting milestone of the first job for AIC with African Industries Ltd and follows several projects recently accomplished or ongoing in African Continent, such as South Africa and allows AIC to continuously make its presence in Sub- Saharan Africa Stronger.

The main Control equipment to be supplied are summarized in the following list:

- N°1 PLC cabinet suited to control the following equipment
  - Crop and Cobble Shears
  - Pinch rolls upstream and downstream the water box
  - Dividing shear for dividing cut, dividing cut optimization and cooling bed entry sequence.
  - Tail Braking Pinch rolls
  - Rake

The control of the cooling bed line will be implemented with Siemens Simotion units:

- Integration of the new equipment with existing iba platform
- Upgraded HMI system which will integrate all the existing and new equipment into one SCADA system with upgraded WinCC License
- PLC and HMI software development
- Integrated with the HMI is a Recipe system, which will offer the customer the basic flexibility to operate and produce different dimensions and also provide the customer a basic reporting system aiming to improve operator productivity
- Engineering and technical documentation
- Equipment tests, supervision to erection, commissioning, training and production assistance

The time-table of the job foresees an accomplishment of the whole project within summer of 2019.

Thanks to its long-time experience and know-how in shears control applications, AIC will ensure to African Industries first class cut performances and tolerances and will allow the customer to optimize the efficiency of the production process and improve the yield substantially

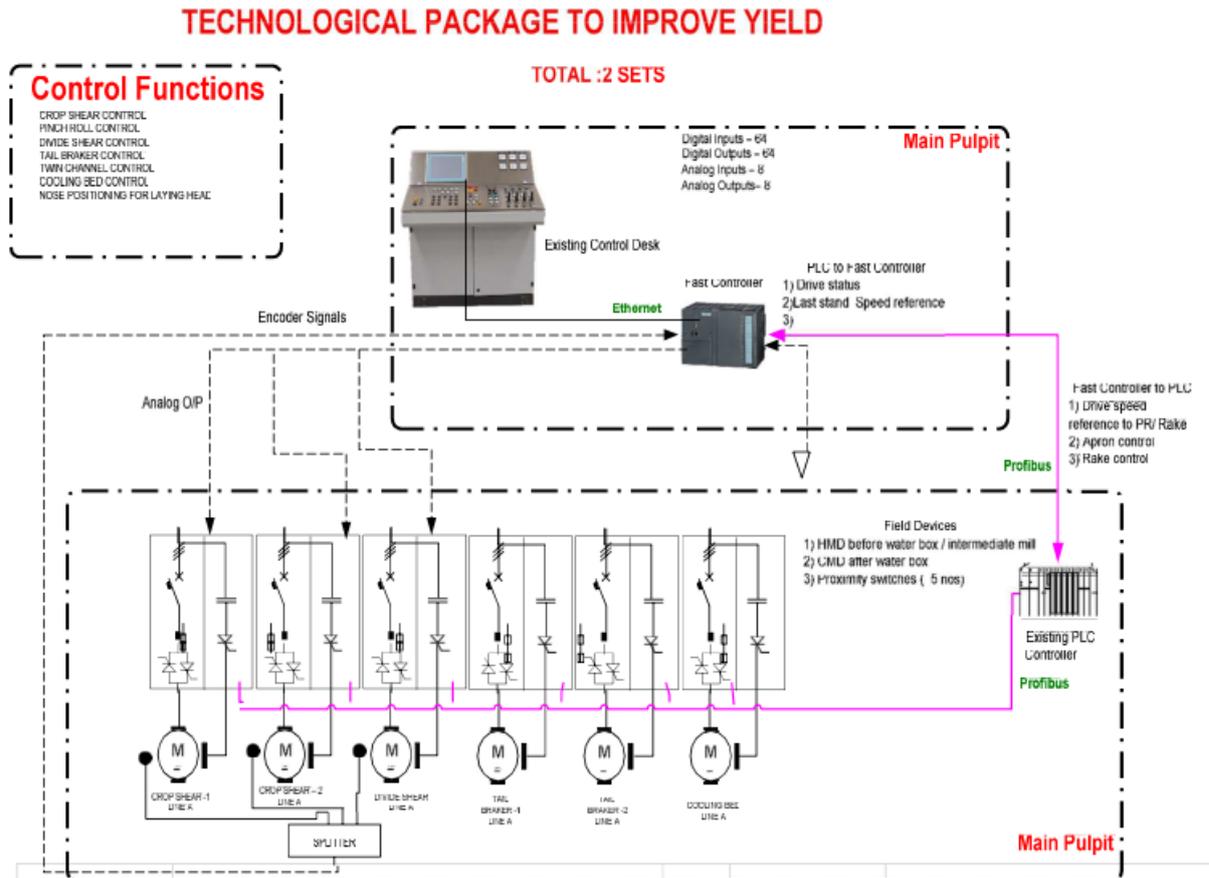


*PLC cabinet supplied by AIC to African Industries Ltd.*

### **AIC Automazioni Industriali Capitanio sites:**

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

Typical Block diagram



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 1000 applications worldwide and over 40 years of history, AiC can boast an unique experience in both greenfield and revamping projects in long products rolling mills and continuous casting machines.

*African industries group through its steel-making plant and rolling mills, focuses on the production of steel product ranging from billets, bars to wire rods serving mainly the construction and engineering sectors. The upstream expansion into the iron and steel-making business, which enhances efficiency further enables the Group to excel as the leading steel Group and the most cost effective producer in Nigeria but also in the Sub-Saharan Africa. [www.africanindustries.com](http://www.africanindustries.com)*

This press release is available at

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

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