



THE WORLDWIDE EXPERIENCE IN  
ENGINEERING METAL AUTOMATION PROCESS  
IS ALL IN YOUR HANDS





## AIC is a Worldwide Company

**Our presence is wide: over 800 installations in more than 40 countries**

**"Since 1975 learning, listening and solving our Customers' needs"**

We are also present in India since 2008 and in U.S.A. since 2011.

Representative agents in every continent.

### **Operations:**

Electrical Equipment

Assembling & Testing

Warehouse, Packing & Shipping

### **Headquarters:**

Management & Finance

Hardware and Software design

Sales & Service

#### **AIC North America Corp.**

825 Third Avenue, 12<sup>th</sup> Floor  
10020 - New York (N.Y. - U.S.A.)  
Phone +1 971 241 2264  
[www.aicnet.it](http://www.aicnet.it) - [info.america@aicnet.it](mailto:info.america@aicnet.it)

#### **Automazioni Industriali Capitanio Srl**

Via Del Bosco, n°10  
25076 ODOLO (BS) - Italy  
Phone +39 0365 826333 - Fax +39 0365 826336  
[www.aicnet.it](http://www.aicnet.it) - [aic@aicnet.it](mailto:aic@aicnet.it)

#### **AIC Capitanio Automation Systems India Pvt Ltd**

375 Jodhpur Park, Kolkata 700068  
West Bengala - India  
Phone +91 33 24729090  
[www.aicnet.it](http://www.aicnet.it) - [info.india@aicnet.in](mailto:info.india@aicnet.in)





## Our target is the steel industry excellence

**Automazioni Industriali Capitanio is a leading company that since 1975 design and produce highest quality industrial automation system all over the world**

.....

### **Passion**

Since generations we are developing new technologies to achieve steel industry excellence.

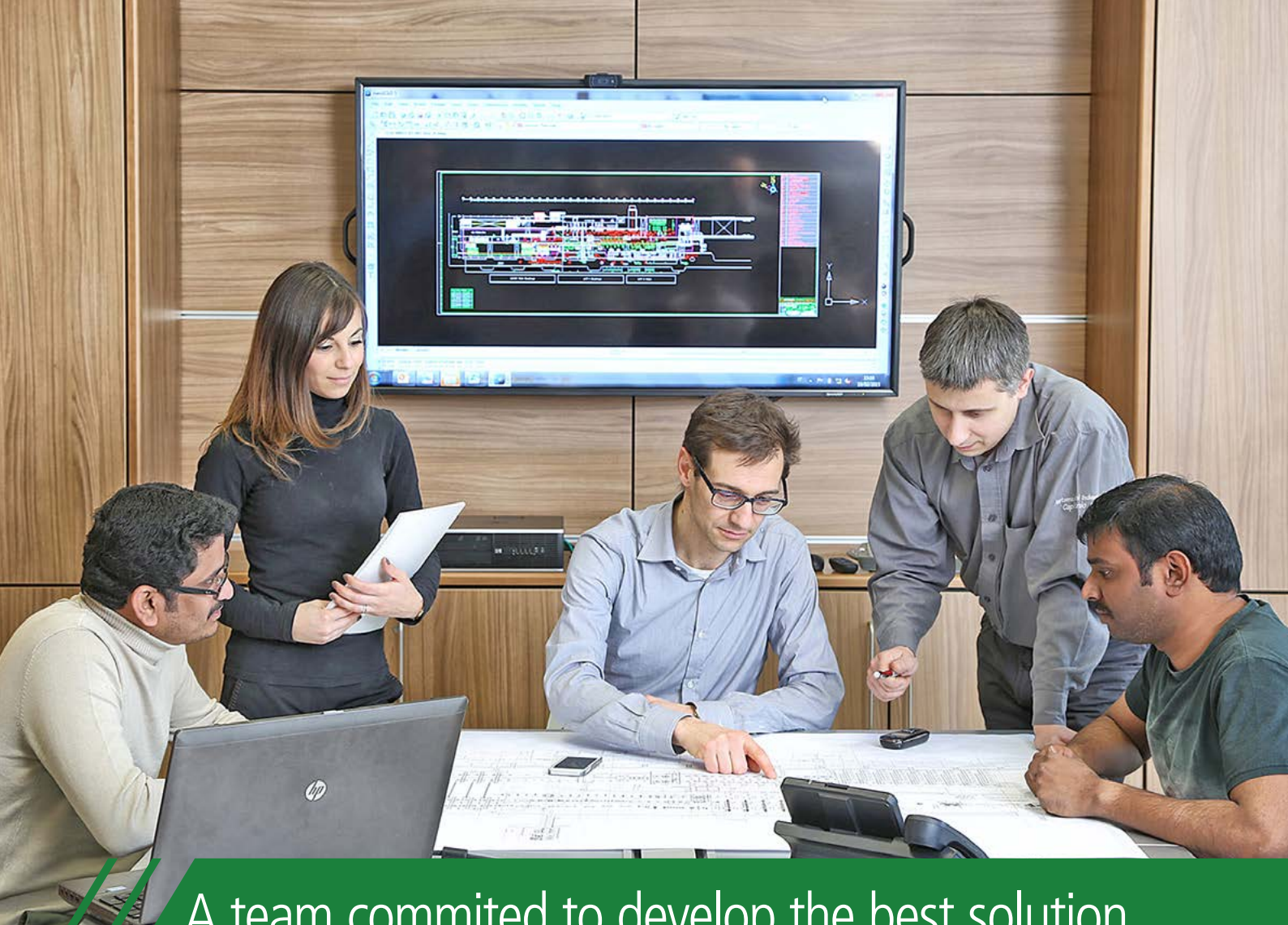
### **Service**

A long-time experienced team in automation process takes care of every single detail.

### **Quality**

Innovative solutions, on-time commissioning and top-level assistance are always our key targets to establish deep and long-time relationship with each customer.





## A team committed to develop the best solution

### Tailored Automation

---

We have always been known, since the very beginning of our activity, not only as a supplier of automation equipment but as a reliable and qualified partner providing state-of-art technical solutions for equipment design and for the capability of handling complex project schedules, and thus establish satisfactory and remarkable partnerships.

With more than 800 applications worldwide, AIC can boost an unique experience in both greenfield and revamping projects in long products rolling mills and continuous casting machines.





# Our Assets. Technology, Expertise, People

## Manufacturing & Testing

Every single piece of equipment supplied by AIC has to pass severe quality checks during each stage of the manufacturing process and is certified according to the CE/ETL and to the main international rules.

AIC workshop can build up to 150 electrical panels in the same moment, is a cETLus approved workshop and its quality system has been ISO 9001:2000 certified.

Specialists in revampings, digitalizing drives and modernizing old systems logic.







# Steel Process

## EAF & LF / CCM

---

### SCRAP

- Scrap handling
- Tracking system

### EAF/LF

- Electrical and automation equipments

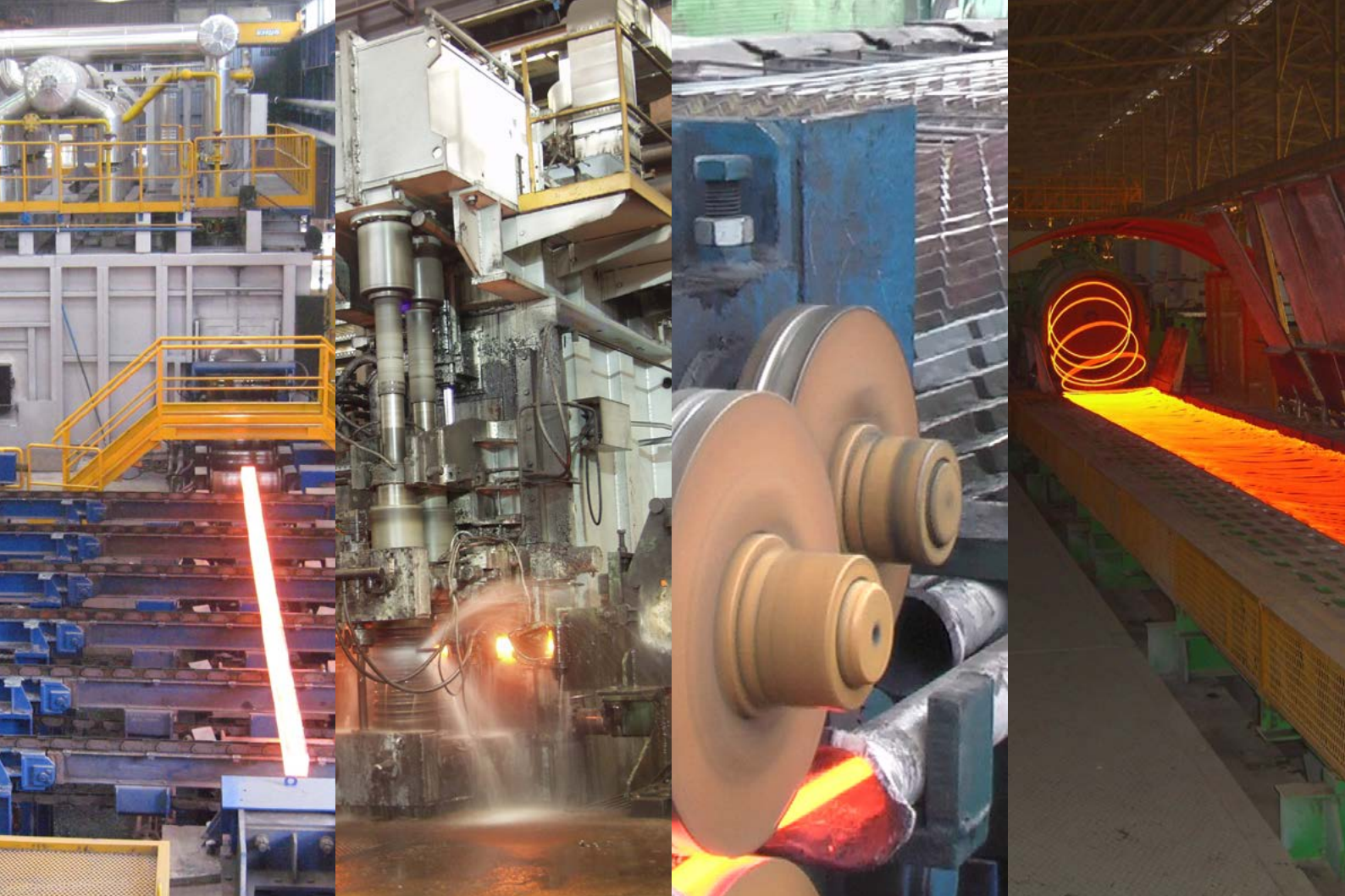
### CCM

- Level control
- Lines management

### Auxiliary Services

- Complete systems for Water Treatments and Dedusting plants





## RHF / Rolling mill / Finishing area

### Reheating Furnace

- Billet / Blooms & Slabs
- Walking beam / Walking earth / Pusher type
- Tracking
- Combustion systems
- Cold charge / Hot charge & combined
- Thermal model
- Consumptions analysis

### Rolling Mill

- Rolling mill automation control system
- Power control
- Energy management systems

### Cooling Area

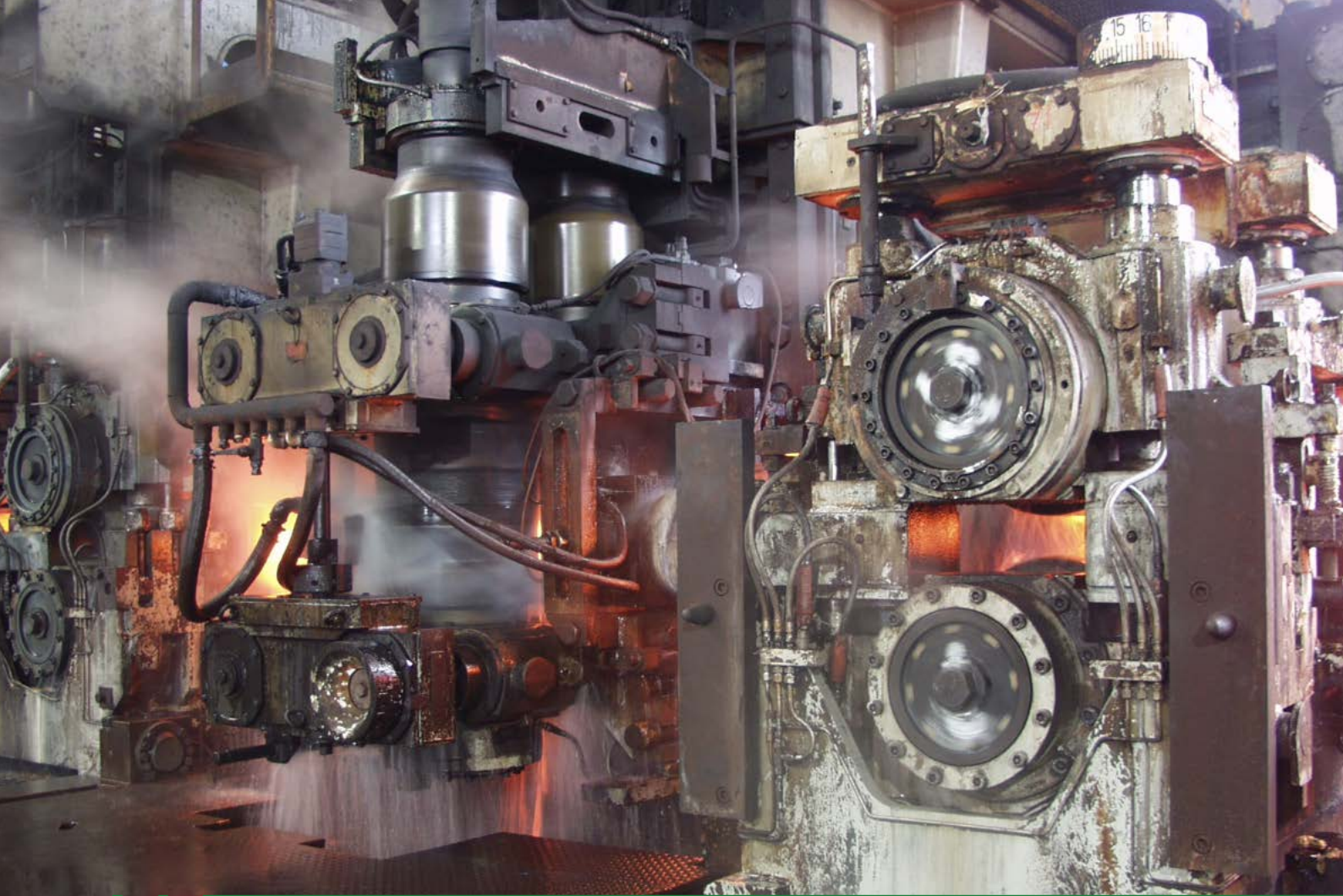
- Twin channel system
- Apron system
- Laying head
- In line coilers
- Garret
- Quenching systems

### Handling

- Binding and Strapping equipments
- Label printing
- Stacker
- Bar counter







# Rolling Mill

## Innovative features for high-performance and top quality of rolling processes

### ROLLING MILL

Long-time experience and deep know-how allow AIC to be a leading supplier for complete level 0, 1 and 2 Rolling Mill automation and Process Control.

- Blooming
- Bar & Wire Rod
- Merchant bars
- Rails & Sections

### HIGH PERFORMANCES & AUTOMATION SUPPLIES

- Sliding & reversible stands
- Tension & Loop control
- Flying shears up to 40 m/s (Start-Stop & Rotating)
- High cutting accuracy & repeatability
- Cut to length optimization
- High speed twin channel control
- Blocks and Layer Forming Head positioning up to 120 m/s





## Safety system and Advanced solutions

### Technological supplies

- Safety access control area with key removal systems
- CCTV systems grant high safety standards and a constant and effective production control
- Integration between SCADA screens and real-time images of the plant
- Continuous recording with play-back option
- Camera system also on wireless technology and fiber optic
- Historical and Analysis with trend systems
- Robots for sampling, labelling and tagging
- Material shape detection devices





## Our numbers

More than **500** years/man of experience

More than **120** customers around the world

Power control up to **12.100** amperes @1150Vdc

Customers electrical plant efficiency **99**%

Customers injury index **-81**% in ten years of activity

Rolling mill yearly productivity more than **130** t/h

Maximum productivity on shift base up to **178** t/h





## Reliability and added value service

**AiC offers the most advanced services in steel industry, reliability, skills, know-how & 360° tailored solutions ensuring a better use of customer's resources.**

.....

A large range of advanced services allows to improve operating & management conditions of the plants:

- Packages of enhanced maintenance
- Management, analysis and review of technical documentation with web applications
- Centralized management of spare parts
- Catalogue of courses & customized training sessions
- Training on the job



**AIC Automazioni Industriali Capitanio sites:**

® Italy (Headquarters & Workshop) - Phone +39 0365 826333  
® United States of America (Sales & Service) - Phone +1 971 241 2264  
® India (Sales & Service) - Phone - **+9180 2973 0867**  
aic@aicnet.it - [www.aicnet.it](http://www.aicnet.it)