



SMART

STEELMAKING IS A HARD JOB



BM Group Polytec was a pioneer of the **Industry 4.0 concept**. The passion for **research and development** has always been one of the company's strong points. Being able to rely on **multi-skilled resources**, has given the company the opportunity to anticipate the concept of **smart** and **interconnected production**.

ABOUT US



“To be competitive in a global market, Manufacturing requires vision, strategy and technological innovation. Every market we serve, sets as main goals Quality, Efficiency and continuous Plant Availability, beside operators’ Safety & Health and Sustainability. Our purposes need to be guided in this direction.”

Mirko Bottini CTO & Co-Founder | **BM Group Polytec**



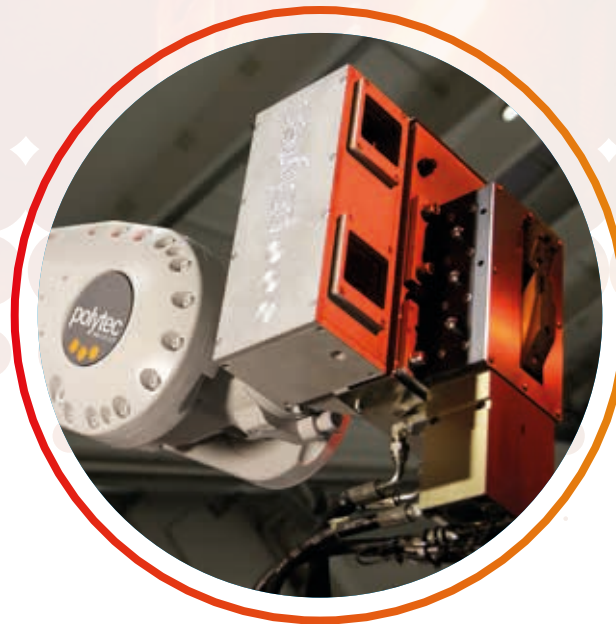
“We believe in ongoing improvement and innovation: our strength is Research and Technological Development. We strive to be the preferred supplier to customers looking for the best for their factory.”

Andrea Tonini CSO & Board Member | **BM Group Polytec**

3 MAIN COMPETENCIES



**DRIVE SYSTEMS
AND 4.0 AUTOMATION**

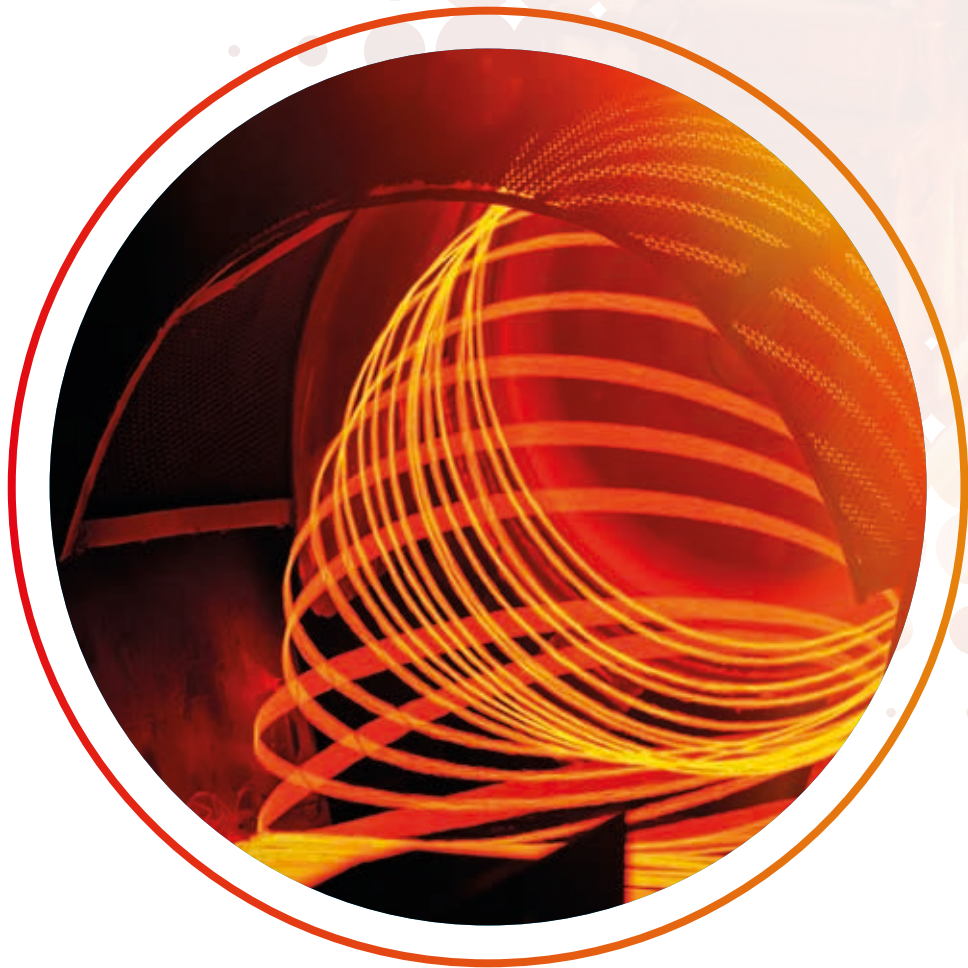


**ROBOTICS AND
COMPUTER VISION**



**AGV AND SMART
WAREHOUSES**

OUR MISSION



SAFETY

Reduction of exposure to RED ZONE and improved ergonomics.



PRODUCTIVITY

Repeatability, measurable process time, downtime reduction, predictive maintenance.



QUALITY

Process and products traceability, product certifiability.

OUR MISSION

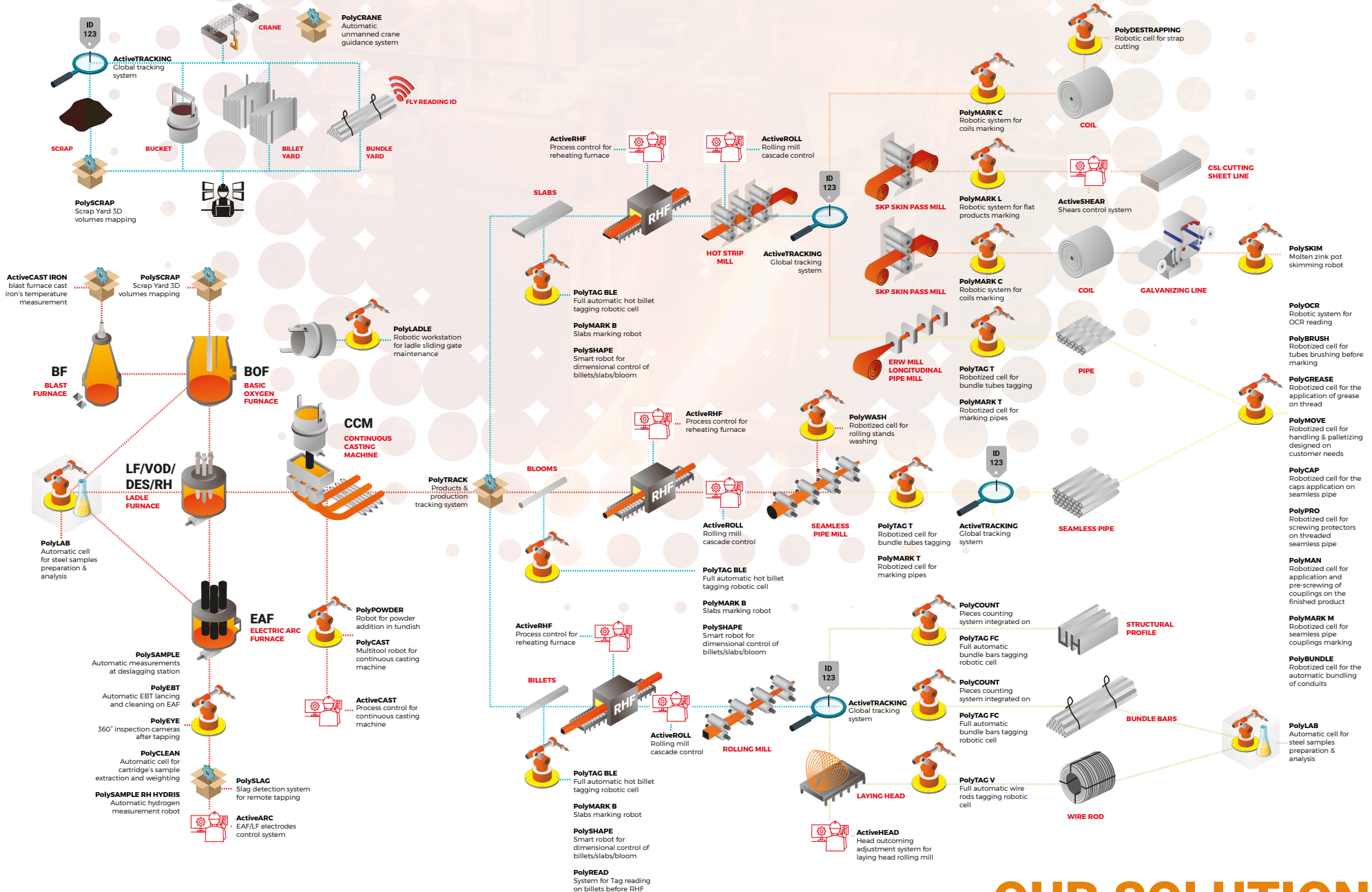


The combination of **human** and **artificial intelligence** is the tool to accomplish this **new industry revolution**.

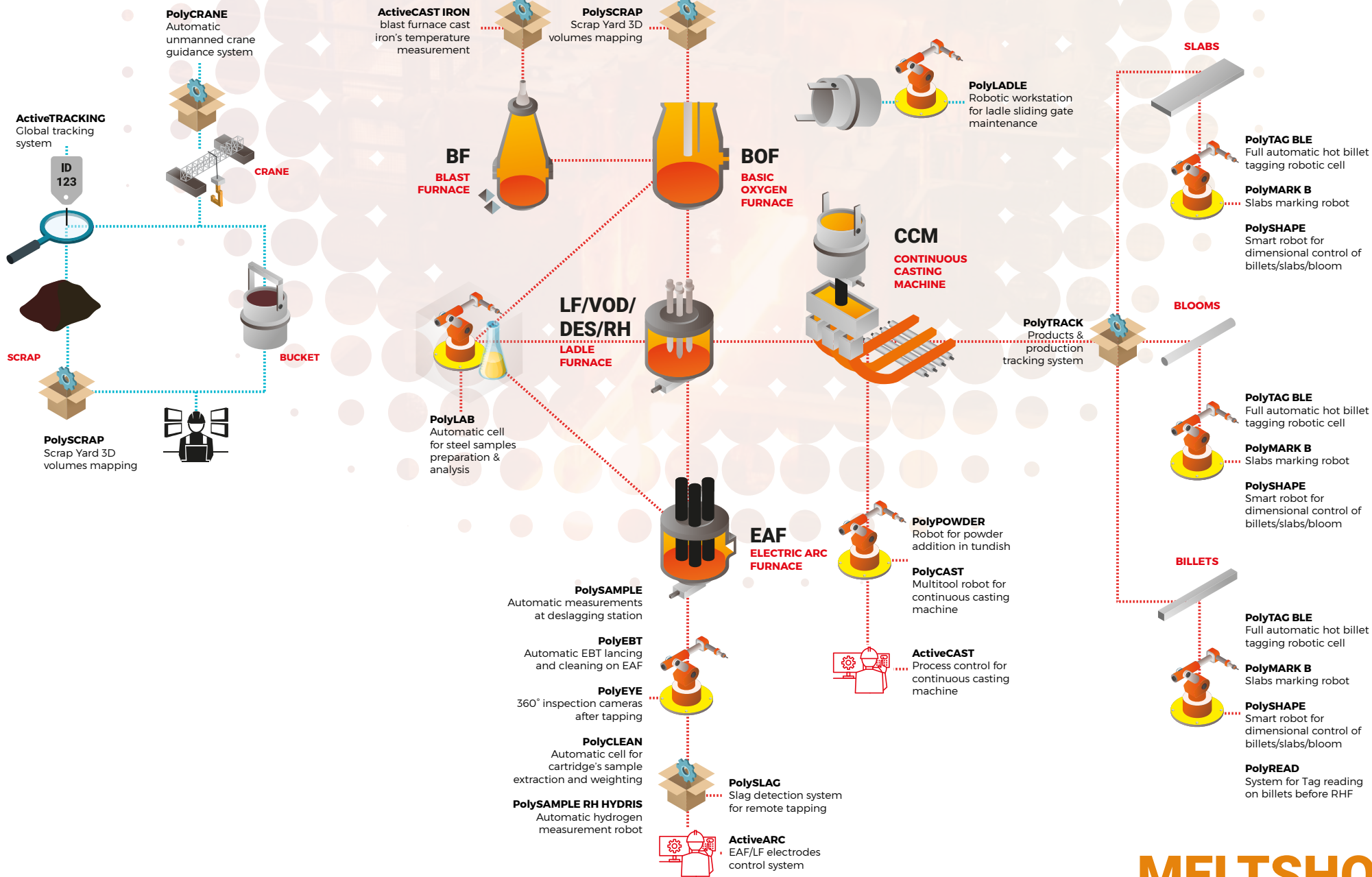
Upgrade & Digitalization programs are based on an assessment approach, developed **beside the customer**.

- **Process Analysis**
- **Feasibility Study**
- **Engineering** (Electrical, Mechatronic, Software)
- **Construction**
- **Factory Acceptance Test**
- **Commissioning**
- **Service** (Training, Spare Parts, After Sales)

WORKFLOW APPROACH



OUR SOLUTIONS



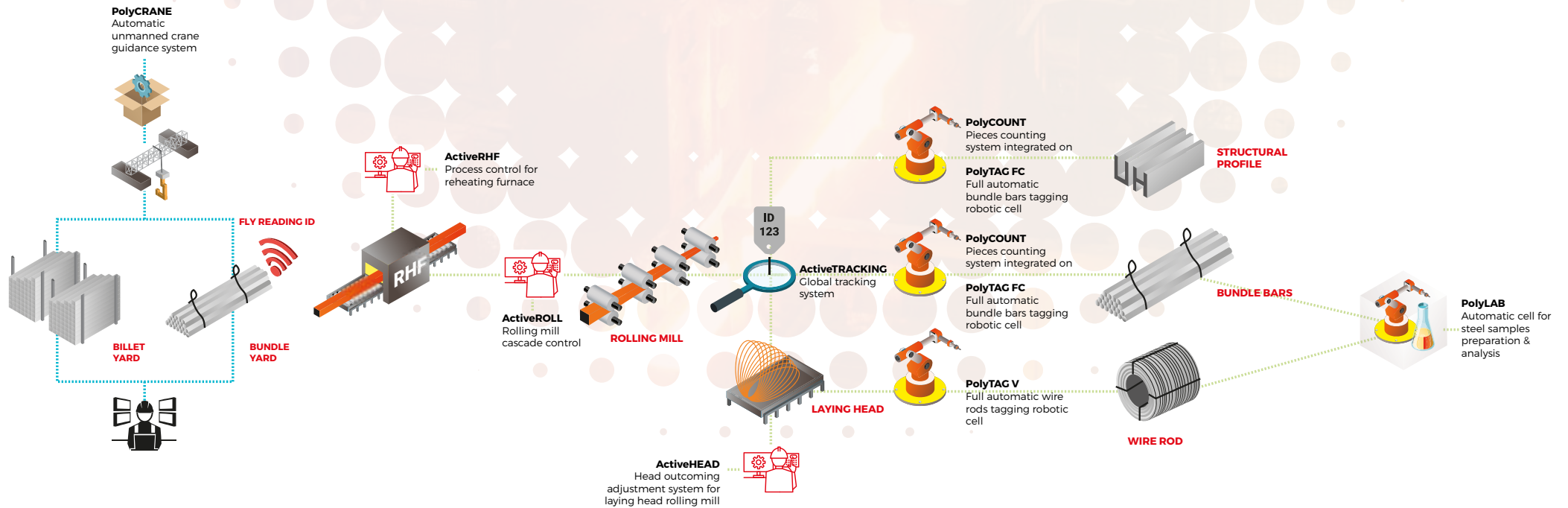
MELTSHOP



Process control and performance optimization for new machines or for modernization of:

- **Scrap Yard**
- **Ironmaking**
- **Steelmaking**
- **Continuous Casting**

MELTSHOP



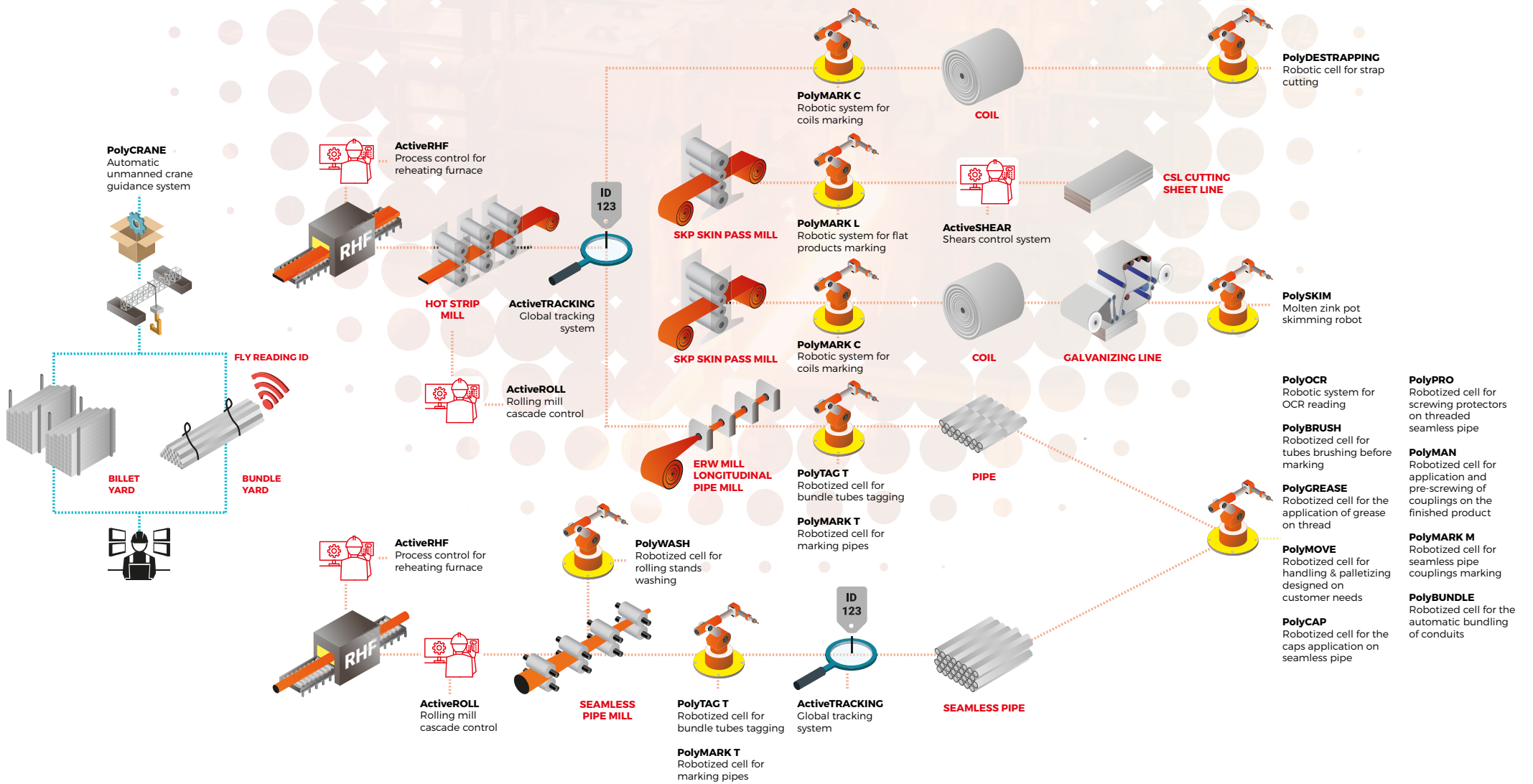
ROLLING MILL



Process control and performance optimization for new machines or for modernization of:

- **Billet Yard**
- **Reheating Furnace**
- **Rolling Mill**
- **Hot Strip Mill**
- **Skin Pass Mill**
- **Galvanizing Lines**

ROLLING MILL



TUBE MILL



Process control and performance optimization for new machines or for modernization of:

- **ERW Mill**
- **Seamless Pipe Mill**

TUBE MILL



We supply **industrial systems** and **automation platforms**:

- **Electrical Engineering & Revamping**
- **Power Distribution Panels**
- **Motor Control Centre Panels**
- **Automation Panels**
- **Drive Control Systems**

OUR SOLUTIONS



We supply **industrial systems and automation platforms:**

- **DCS**
- **PLC**
(ABB, Siemens, Rockwell, Schneider...)
- **Drive & Motion Controls**
(ABB , Siemens, Allen Bradley...)
- **Safety Controls**
- **Cyber Security systems**

OUR SOLUTIONS



We supply industrial systems and automation platforms:

- **HMI Panel & SCADA for Machine & Process Supervision** (WinCC, Ignition, iFix, Cimplicity...)
- **Cloud & IIoT for Data Collection and Analysis** (Custom Application)
- **App Mobile & Web Application for Remote Data Management** (Custom Application)

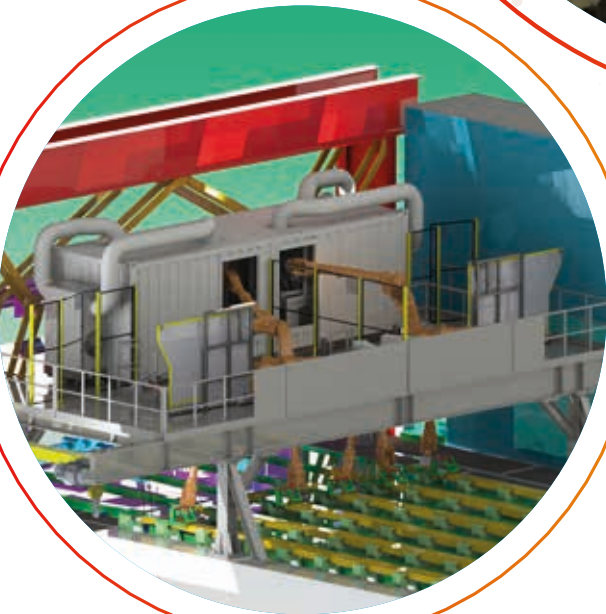


OUR SOLUTIONS



Our expertise in **robotized industrial plants:**

- **Mechatronics Engineering**
- **Tailor-Made Robotic Cells**
- **Robot & Motion Control**
(ABB, Fanuc, Comau...)
- **Computer Vision 2D / 3D**
- **Machine Learning and AI**



OUR SOLUTIONS



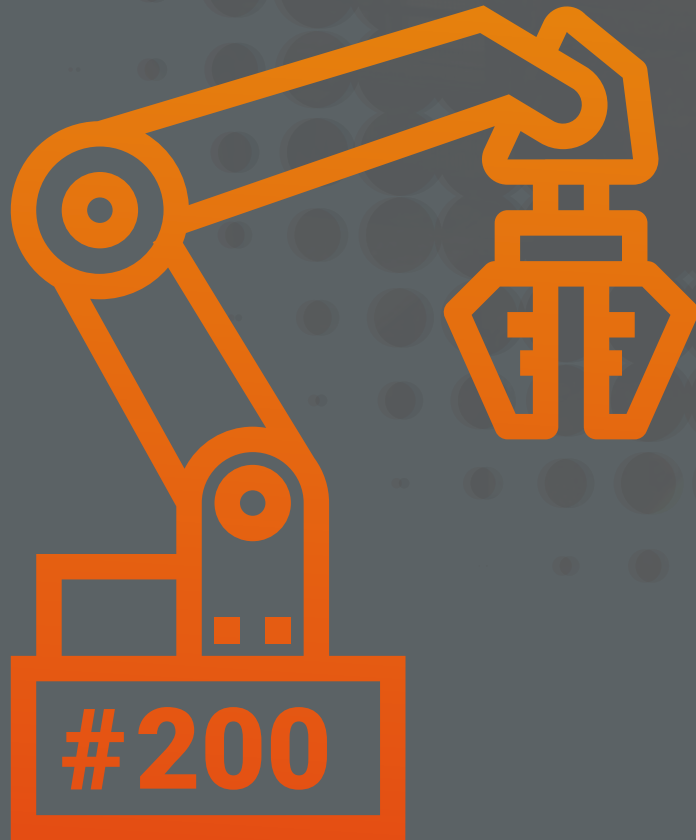
For the connection and interaction of the internal systems for material flow, also called **intralogistics**, we provide:

- **Automation of Conveyor in The Warehouse and Vertical Storages**
- **Optimization of Control Systems and Machines;**
- **Driverless Transport Systems;**
- **System Integration with Warehouse Management System.**

OUR SOLUTIONS



SERVICE & AFTER SALES



WORLDWIDE LEADER IN
ROBOTICS FOR STEEL
INDUSTRY WITH UP TO
200 ROBOTS INSTALLED
IN STEEL PLANTS
GLOBALLY

+10

**PLANT AUTOMATION
UPGRADES**

+50

ROBOTIZED CELLS

RELEVANT PROJECT

**Automation Systems Supply for the new
greenfield 28" ERW Tube Mill**

SMS gmbh | Atlas Tube
Zekelman Industries | USA

BRANCH OFFICE

POLYTEC USA CORP.

1800 West Loop S Ste 1740
Houston, TX 77027 | USA
service & spare parts



USMCA

SALES REPRESENTATIVES





SOUTH AMERICA

+10

**PLANT AUTOMATION
UPGRADES**

+10

ROBOTIZED CELLS

RELEVANT PROJECT

**Automation equipment and software for tube
handling greenfield tube mill**
Tenaris Tubo Caribe | Colombia

SALES REPRESENTATIVES





EUROPE

+500

**PLANT AUTOMATION
UPGRADES**

+100

ROBOTIZED CELLS

BRANCH OFFICES

BM GROUP POLYTEC

European service & spare parts network

SALES REPRESENTATIVES





CIS & MIDDLE EAST

+10

**PLANT AUTOMATION
UPGRADES**

+10

ROBOTIZED CELLS

SALES REPRESENTATIVES 

SOME OF OUR VALUED CUSTOMERS

Acciaieria Arvedi

Alfa Acciai

ArcelorMittal

AST Terni

Beltrame Group

Celsa

CMC Steel

Cogne Acciai Speciali

Duferdofin

Feralpi Group

FIMI Group

Gerdau

Inteco

Megasa Group

MMK

NLMK

Nucor Steel

Optimus Steel

Ori Martin

Riva Forni Elettrici

SIJ Metalravne

SMS Group

Tenaris

Tenova

(strategic partnership
in robotics for
Melt-shop)

Ternium

Ugitech

Valbruna

Villares Metals

Voestalpine

CERTIFICATIONS

- ✓ UNI EN ISO 14001:2015
- ✓ UNI EN ISO 9001:2015
- ✓ UNI CEI EN ISO 50001:2018
- ✓ UNI EN ISO 45001:2018
- ✓ Certificate of Compliance
UL 508A/CSA 22.2
- ✓ Siemens Solution Partner for
Drives & Motion
- ✓ Siemens Solution Partner
for Factory Automation
- ✓ Rockwell Recognized System
Integrator Control
- ✓ Kaspersky Gold Partner
- ✓ Attestazione SOA OG6/II - OG9/VI
OG10/V - OS30/IV-BIS



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