



THE SMART APPROACH TO PULP & PAPER PRODUCTION



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

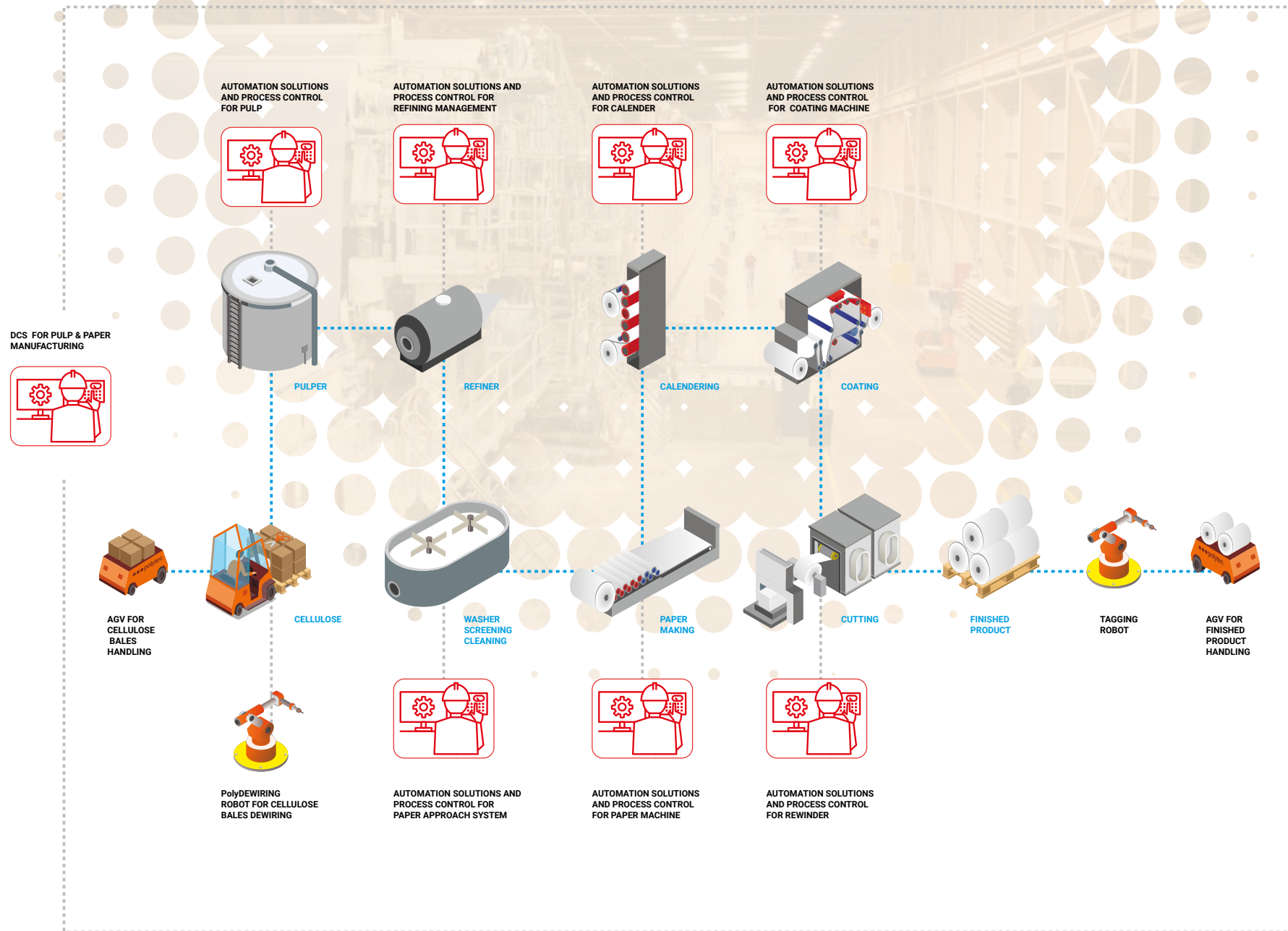


The combination of **human** and **artificial intelligence** is the tool to accomplish this **new industry revolution**.

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



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

Pulp Mill

- **Pulper**
- **Refiner**
- **Washer/Screening/Cleaning**

OUR SOLUTIONS



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

Board and Paper

- **Paper Machine**
- **Calender**
- **Coating Machine**
- **Rewinder**

OUR SOLUTIONS



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

PROJECT	CUSTOMER SITE	COUNTRY	YEAR
ELECTRICAL EQUIPMENT, AUTOMATION AND DCS FOR NEW PAPER MACHINE AND REWINDER	Overmade	Qatar	2020 in progress
ELECTRICAL EQUIPMENT, AUTOMATION AND DCS FOR NEW PAPER MACHINE AND REWINDER	Overmade	Qatar	2020 in progress
PolyDEWIRING - ROBOT FOR CELLULOSE BALE DEWIRING	SAPPI Condino	Italy	2020
MODERNIZATION OF PAPER MACHINE PM5	SAPPI Condino	Italy	2020
MODERNIZATION OF PAPER MACHINE	Favini	Italy	2020
MODERNIZATION OF SUPER CALENDERS SC23	SAPPI Condino	Italy	2020
MT EQUIPMENT FOR POWER DISTRIBUTION IN COATER MACHINE	Lecta Cartiere del Garda	Italy	2019
MODERNIZATION OF SUPER CALENDERS SC21	SAPPI Condino	Italy	2019
DRIVES UPGRADE OF PAPER MACHINE	Favini	Italy	2018
MODERNIZATION OF SOFT CALENDERS	Favini	Italy	2018
UPGRADE AND DIGITALIZATION OF SCADA FOR DCS	SAPPI Condino	Italy	2017
ELECTRICAL AND AUTOMATION EQUIPMENT FOR DCS IN PAPER MACHINE	Siemens Cartiera di Mantova	Italy	2017
MODERNIZATION OF DECULATOR	SAPPI Condino	Italy	2017
DCS UPGRADE FOR DOCTOR BLADE MODERNIZATION	SAPPI Condino	Italy	2017
DCS UPGRADE FOR MODERNIZATION OF PAPER BREAK DETECTION	SAPPI Condino	Italy	2017
ELECTRICAL EQUIPMENT FOR REFINER	Fedrigoni	Italy	2016
AUTOMATION EQUIPMENT AND CONTROL FOR NEW WINDER	Overmade	Italy	2016
MODERNIZATION OF REWINDER MACHINE	SAPPI Carmignano	Italy	2016
ELECTRICAL ENGINEERING AND AUTOMATION EQUIPMENT FOR MOTOR CONTROL CENTERS IN PULP AREA	Comertek	United Arab Emirates	2016
MODERNIZATION OF CALENDERS PROCESS CONTROL	SAPPI Condino	Italy	2015

WORLD PRESENCE

PROJECT	CUSTOMER SITE	COUNTRY	YEAR
MODERNIZATION OF PULP COOKING PROCESS	SAPPI Condino	Italy	2015
MODERNIZATION OF OPTIDRY COAT	SAPPI Condino	Italy	2015
DCS UPGRADE FOR CHEMICAL ADDITIVE DOSING SYSTEM INTEGRATION	SAPPI Condino	Italy	2014
DCS UPGRADE FOR REFINER MODERNIZATION	SAPPI Condino	Italy	2014
ELECTRICAL ENGINEERING AND AUTOMATION EQUIPMENT FOR MOTOR CONTROL CENTERS IN PULP AREA	Comertek	United Arab Emirates	2014
REVAMPING OF SAFETY MANAGEMENT FOR CALENDER	Fedrigoni	Italy	2013
MT/BT EQUIPMENT FOR POWER DISTRIBUTION	Fedrigoni	Italy	2013
ELECTRICAL EQUIPMENT, AUTOMATION AND DCS FOR NEW PAPER MACHINE	ABK	Turkey	2013
ELECTRICAL EQUIPMENT, AUTOMATION AND DCS FOR NEW PAPER MACHINE	ABK	Romania	2012
DCS UPGRADE FOR VACUUM SYSTEM MODERNIZATION	SAPPI Condino	Italy	2012
MODERNIZATION OF SUPER CALENDER	Fedrigoni	Italy	2009
UPGRADE OF DRIVE FAN PUMPS IN PAPER MACHINE	Cartiere di Giorgione	Italy	2008
MODERNIZATION OF WINDER	SAPPI Carmignano	Italy	2007
DCS UPGRADE FOR "PAPER APPROACH SYSTEM" MODERNIZATION	SAPPI Condino	Italy	2006
DCS UPGRADE FOR REFINER MODERNIZATION	SAPPI Condino	Italy	2005
MODERNIZATION OF PULPER	SAPPI Condino	Italy	2005
MODERNIZATION OF REWINDER	SAPPI Condino	Italy	2004

WORLD PRESENCE

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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BM GROUP POLYTEC S.p.A.

Via Roma, 151 38083 Borgo Chiese (TN) Italy
VAT IT 04015060165 | Share Capital € 5.000.000,00
Phone (+39) 0465 621794 | Fax (+39) 0465 621202
www.bmgrouppolytec.com | sales@bmgrouppolytec.com