

# Company profile





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# IMALPAL Group



The IMALPAL Group is formed from the union of three major corporations, IMAL, PAL and GLOBUS, three well familiar names in engineering, machinery and plants for the wood-based panel and recycling industries for over 50 years, and renowned worldwide for their long experience in the design and construction of complete plants and machinery to convert and transform raw wood-based materials and all kinds of waste in general into new ecological and eco-sustainable finished products. PSP, PMI and ITALSORT joined the group respectively in 2015, 2017 and 2020, completing the range of products.

**IMAL, PAL and GLOBUS:**  
three well familiar  
names in engineering  
machinery and plants for  
the wood-based panel  
and recycling industries  
for over 50 years.

Today the IMALPAL Group has further expanded its specialization and leadership into broader fields, through new acquisitions and the continual research and development of new technologies, many of which have been patented.

The Group is able to offer tailor-made and turnkey solutions for the manufacture of machinery or complete plants for the

production of PB\SPB, MDF\HDF, OSB\LSB\FOSB panels, insulation board, pellets, pressed pallets, pallet blocks, biomass energy plants, drying systems and power generation, as well as the treatment of industrial and municipal waste such as plastic, sludge and wood to maximize material recovery for the production of energy and minimize the waste to landfill sites.

The systems and equipment manufactured by the IMALPAL Group are renowned worldwide for their top-quality construction and design, advanced software and process control and continual innovations to improve product quality and cut production costs.

Over the last ten years however, in their constant endeavour to evolve and progress, the Group has adapted and applied their long experience, know-how and innovative solutions to design and develop technical solutions that are the Best Available Technologies acknowledged on a worldwide scale.

**The Group is able to offer tailor-made and turnkey solutions for the manufacture of machinery or complete plants.**



Imal, Modena



Pal, Ponte di Piave - Treviso



Globus, Galliate - Novara

## **Our mission**

The IMALPAL Group accompanies and guides each and every customer through the technological innovation process to achieve the best performance and production quality from the plants.

Each new project evolves from the close collaboration between the IMALPAL Group's team of experts and the customer's experts to ensure both versatility and a successful outcome. Service and post sales assistance is the Group's strong point which, thanks to its trim organization and great flexibility can assist customers rapidly any time.

### **| Fully customer oriented Group.**

A fully customer-oriented Group knows exactly what customers need and always makes every effort to meet their requests.

## **Our vision**

The IMALPAL Group does not simply offer machinery and plants, it also designs and develops recycling and upcycling systems to protect and safeguard the environment.





# The numbers of the Group

1970

FOUNDATION

9

COMPANIES

3

RESEARCH AND  
DEVELOPMENT  
LABORATORIES



11

MANUFACTURING  
SITES

50.000 m<sup>2</sup>

OFFICE BUILDINGS AND  
PRODUCTION FACILITIES  
EXTENDING OVER





120

OVER 120  
PATENTS

25.000

OVER 25.000 EQUIPMENT  
REFERENCES WORLDWIDE

145

BUSINESS RELATIONS  
WITH OVER 145 NATIONS  
AROUND THE WORLD.



5

BUSINESS RELATIONS  
IN 5 CONTINENTS

# The Group Sustainability

## Economic Sustainability

210 Over 210 million of  
total revenue in 2021

100% Purchases made 100% from  
European suppliers, 97% of which  
from the Italian supply chain

3<sup>000</sup> Over 3000 customers worldwide  
recycle all kinds of waste with  
our machinery and equipment

35 35 people involved in R&D  
approximately for 60,000  
working hours per year

## Social Sustainability

96% 96% of the employees  
have permanent contracts

95% 95% of the employees have been  
working for the IMALPAL Group  
for over 5 years

4<sup>000</sup> Over 4000 hours of  
work safety training

360° 360° Support for social,  
cultural artistic and sports  
initiatives in the community

## Environmental Sustainability

100% Electricity autogenerated 100%  
from renewable sources

60 IMALPAL Group recycling plants  
recover around 60,000,000 tons of  
wood, plastic, waste worldwide  
annually, avoiding 3,000,000 of CO<sup>2</sup>

9,000 more than 9000 m<sup>2</sup> of  
photovoltaic panels installed

98% 98% of waste  
recycled

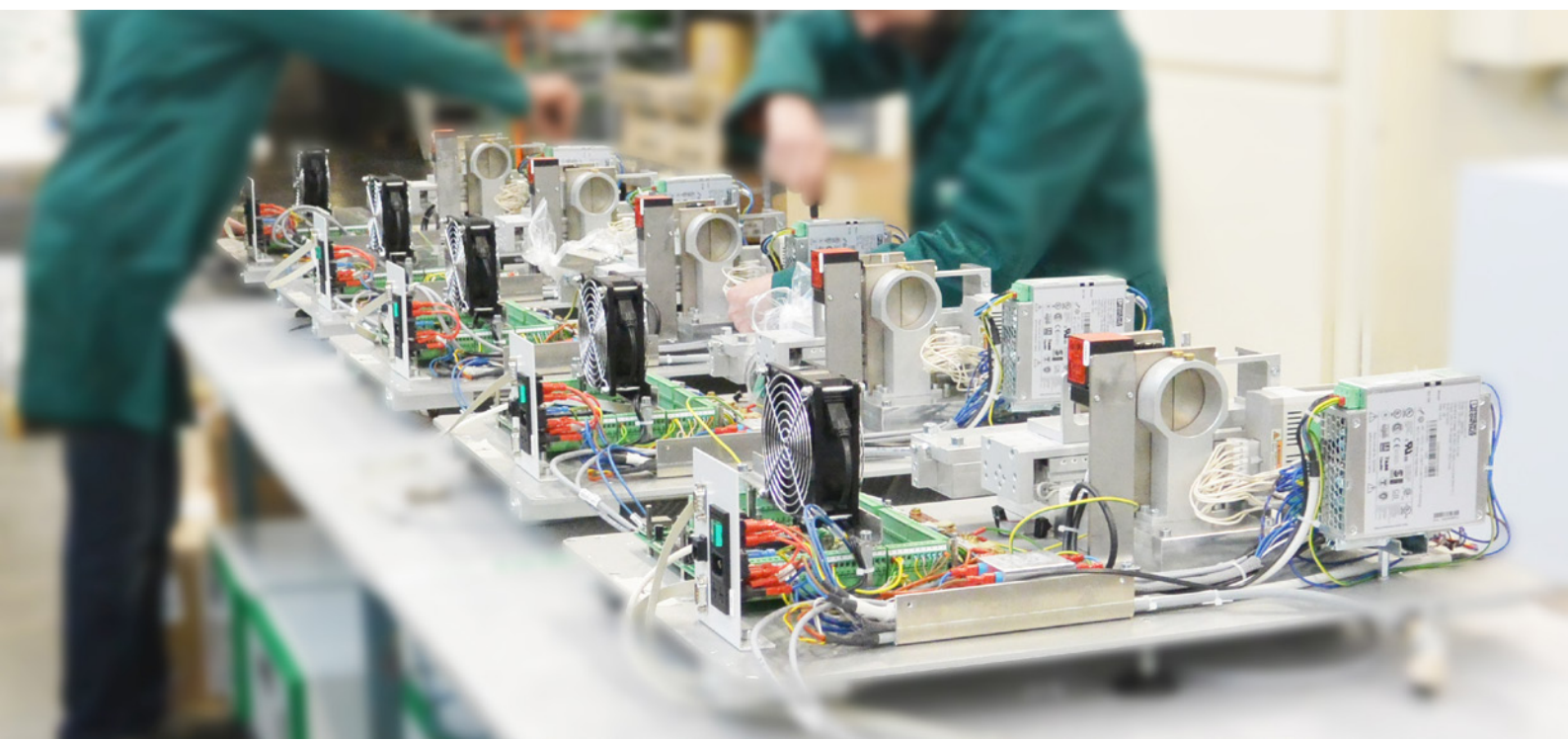


# Mechanical and Electrical Production

## **11** **production** **facilities**

The IMALPAL Group's 11 production facilities in Italy are utilized to design and produce in-house all the technologies, process equipment and automation software.

The in-house mechanical and electrical production guarantees a direct and prompt control of the quality throughout each stage of the manufacturing process.



# Research & Development

One of the keys to the Group's success is the major investments made in R&D. This department, in the specially dedicated R&D facility and run by a team of highly-qualified engineers with great inventive capacity, is constantly at work to design innovations for both existing and future projects, aimed at improving performance, reducing running costs, reducing maintenance with the application of special materials, optimising plant layout with a view to obtaining maximum yield at minimum cost and optimising production processes.

One of the major targets is to valorise every kind of waste to find up-to-date upcycling solutions to be implemented in all the production processes

The engineers of the Group's R&D division also collaborate in close conjunction with several Italian University Research laboratories, and the encouragement of this kind of collaboration, along with their annual investment policy, enable the Group to retain its reputation as an avant-garde manufacturer in this industrial sector.

## Our Smart Lab is a complex of 3 research centres

The IMALPAL Group has three advanced research laboratories with production lines to simulate true scale technological processes in all fields:

1. **Material and Waste treatment research:** cleaning, recycling, chipping and analysis of all kinds of raw material available.
2. **Process and Production:** drying, blending, forming and pressing for industrial production using all kinds of raw material.
3. **Technical and technological analysis** of the products and compliance with international standards carried out in a fully equipped laboratory with over 50 testing units made by the IMALPAL Group.

A highly qualified team, in all the laboratories, performs tests on numerous tons of raw materials sent every year by customers from all over the world.

Test results are computer analysed, recorded and used to design innovations, optimize our industrial equipment and to recommend tailor-made solutions for special applications to our customers.

The IMALPAL Group has three advanced research laboratories with production lines.





Material and waste treatment research center



Process and production research center



Technical and technological research center

# Engineering

## **From project to construction**

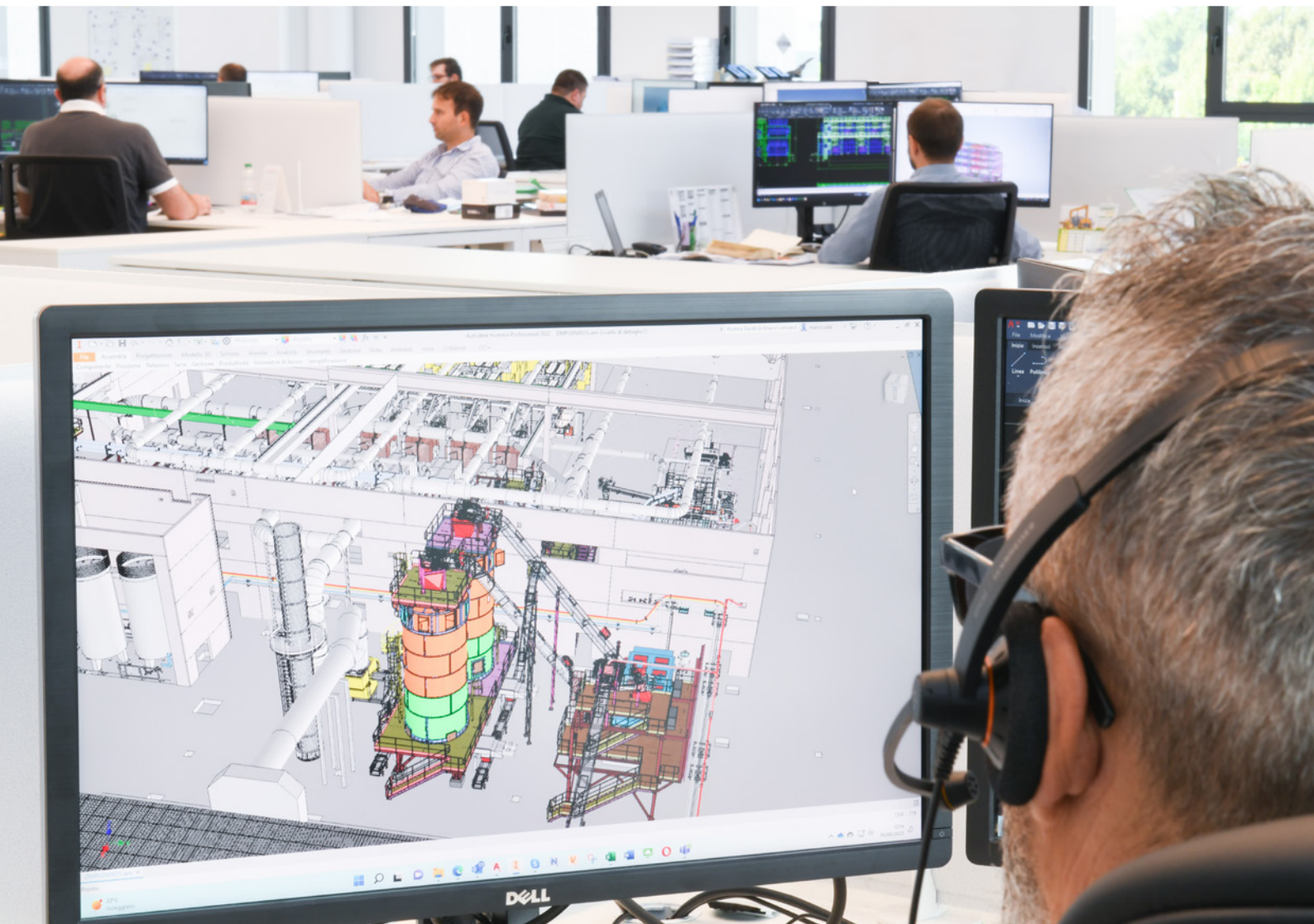
The proven expertise of our team, together with the vast experience matured over the years, and hi-tech support tools used by the technical personnel enable us to provide full engineering for new plants or upgrades of existing installations.

The engineering department has over 100 engineers, producing the 3D design of each machine, plant or production facility.

The most modern software and hardware technologies are adopted to produce a 3D scan of existing plants and to engineer the tailor-made plant.

The IMALPAL Group is the ideal partner and leader for the construction of complete plants with an EPC guarantee and Turnkey, all over the world.

**IMALPAL Group  
provides full engineering  
for new plants or  
upgrades of existing  
installations.**



# Customer service

## Service, Remote on-line assistance & training courses

Fully customer-oriented service comes first and foremost for a team like ours.

This is why our 24/7 service staff never takes a break and is constantly motivated to minimize reaction time.

### **SERVICE IS EXTENSIVE AND DIVERSIFIED AND INCLUDES:**

- logistics for reliable packaging and shipping
- assembly, start-up and fine tuning
- before and after sales assistance
- spare parts
- on-line and on-site assistance

Our subsidiary offices located around the world guarantee closer contact and faster customer service. The Group is equipped with an extremely modern remote service technology to provide an immediate response and on-line assistance which has already been successfully installed by numerous customers.

### **SEMINARS AND TRAINING**

Sharing our knowledge with our customers is essential.

Our engineers and technicians regularly attend courses so that they in turn can fine tune their customer training ability.

Furthermore, courses and seminars are set up to enrich your staff's knowledge of our equipment, to ensure that full use is made of our systems and that the very best performance is achieved.

The Group is equipped with an extremely modern remote service technology.



# Engineering, machinery and complete plants

## Business areas

The Group is well known all around the world for the engineering and the supply of machinery and complete plants for the production of wood based products and various value added products.

IMALPAL Group is specialized in the supply of high technological solutions for four main type of plants and productions:

- **Wood based panels**
- **Pressed wood packaging**
- **Pellets & Energy**
- **Wood Recycling and Waste Treatment**

Through the specialized IMALPAL Group laboratories, technological solutions have been designed to give new life to production waste from various product sectors and so in addition to wood and plastic, value is given to bagasse, vegetable fibres, banana, coconut, straw, palm fronds, rice husk, pruning waste, sludge, and so on.

Recycling means using every kind of waste available to reduce and minimize the utilization of natural raw materials. Product quality depends on the preparation area. This is why the Group has invested heavily in this direction to design integrated high-tech wood\plastic preparation solutions that have become references in processing plants worldwide.

Recycling means using every kind of waste available to reduce and minimize the utilization of natural raw materials.



## Wood based panels

PB/SPB  
MDF/HDF  
OSB/LSB/FOSB  
PLYWOOD  
INSULATION BOARDS



## Pressed wood packaging

PALLET BLOCKS  
PRESSED PALLETS  
STRINGERS AND BEAMS



## Pellets & Energy

WOOD PELLETS AND BLACK PELLETS  
THERMAL AND ELECTRIC ENERGY  
GREEN FUELS AND BIOMASS  
DRYING



## Wood Recycling and Waste Treatment

WOOD RECYCLING  
PLASTIC RECYCLING  
SLUDGE RECYCLING  
CUSTOMIZED SOLUTIONS FOR RECYCLING

# Wood based panels



PB/SPB



PLYWOOD



MDF/HDF

INSULATION  
BOARDS

OSB/LSB/FOSB

## Process Equipment

FEEDERS  
CRUSHERS  
DEBARKERS  
CHIPPERS  
EXTRACTORS  
SILOS & STORAGE  
ROLL SCREENS  
CHIP CLEANERS  
OPTICAL AND X-RAY SEPARATORS  
METAL REMOVERS  
DRYING  
FLAKERS, STRANDER & REFINERS

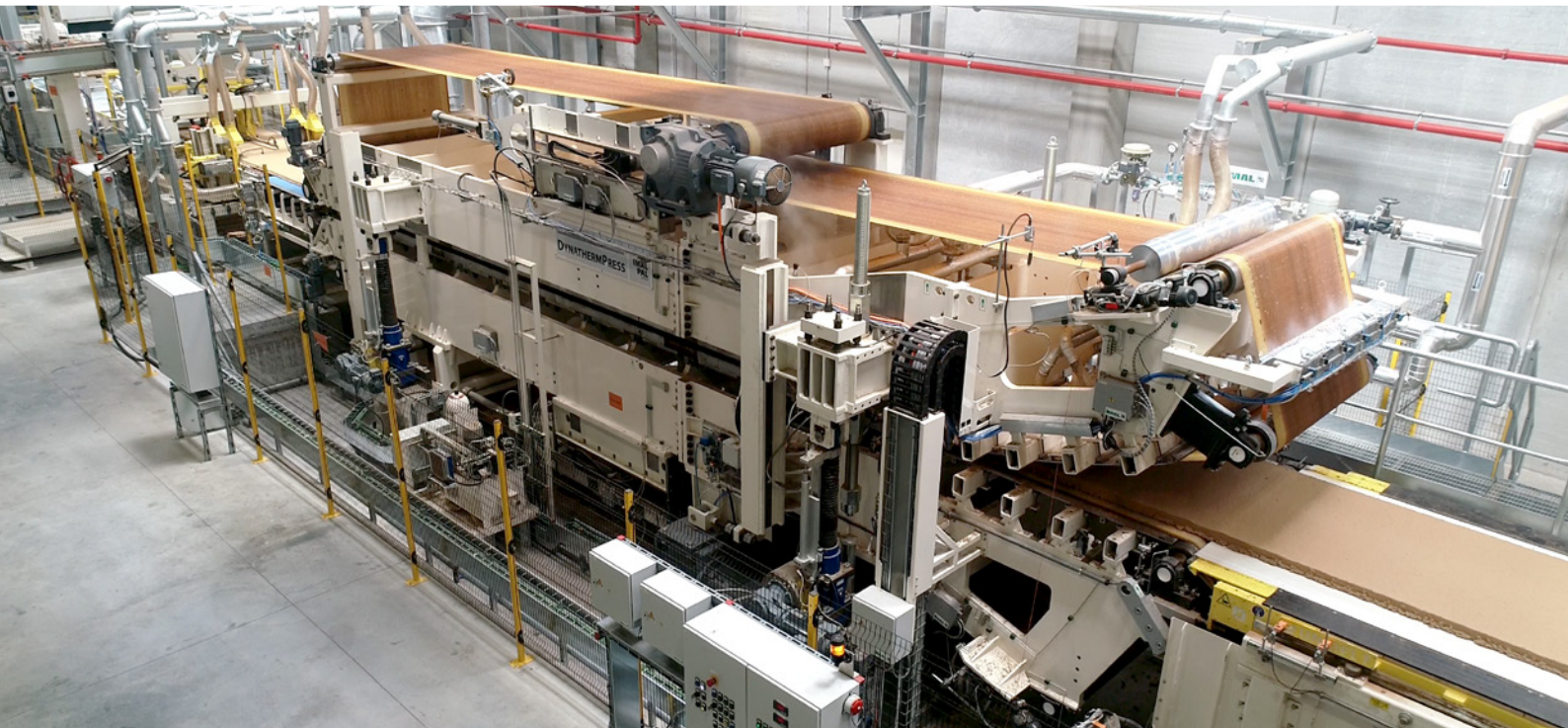
SCREENS  
AIR SIFTERS  
DENSIMETRIC SEPARATORS  
METERING BINS & SCALES  
RESINATION SYSTEMS  
DOSING SYSTEMS  
FORMING & PRESS  
ON-LINE QUALITY CONTROLS  
ON-LINE SAFETY CONTROLS  
LABORATORY EQUIPMENT  
HANDLING & PACKAGING  
FILTERS & SCRUBBERS

## Services

AUTOMATION  
ELECTRIC CONTROL  
ENGINEERING

SUPERVISION AND TRAINING  
TURNKEY INSTALLATION  
EPC PROJECT MANAGEMENT













# Pressed wood packaging



PALLET  
BLOCKS



PRESSED  
PALLET



STRINGERS  
AND BEAMS

## Process Equipment

- FEEDERS
- CRUSHERS
- DEBARKERS
- CHIPPERS
- EXTRACTORS
- SILOS & STORAGE
- ROLL SCREENS
- CHIP CLEANERS
- OPTICAL AND X-RAY SEPARATORS
- METAL REMOVERS
- DRYING
- FLAKERS, STRANDER & REFINERS

- SCREENS
- AIR SIFTERS
- DENSIMETRIC SEPARATORS
- METERING BINS & SCALES
- RESINATION SYSTEMS
- DOSING SYSTEMS
- FORMING & PRESS
- ON-LINE QUALITY CONTROLS
- ON-LINE SAFETY CONTROLS
- LABORATORY EQUIPMENT
- HANDLING & PACKAGING

## Services

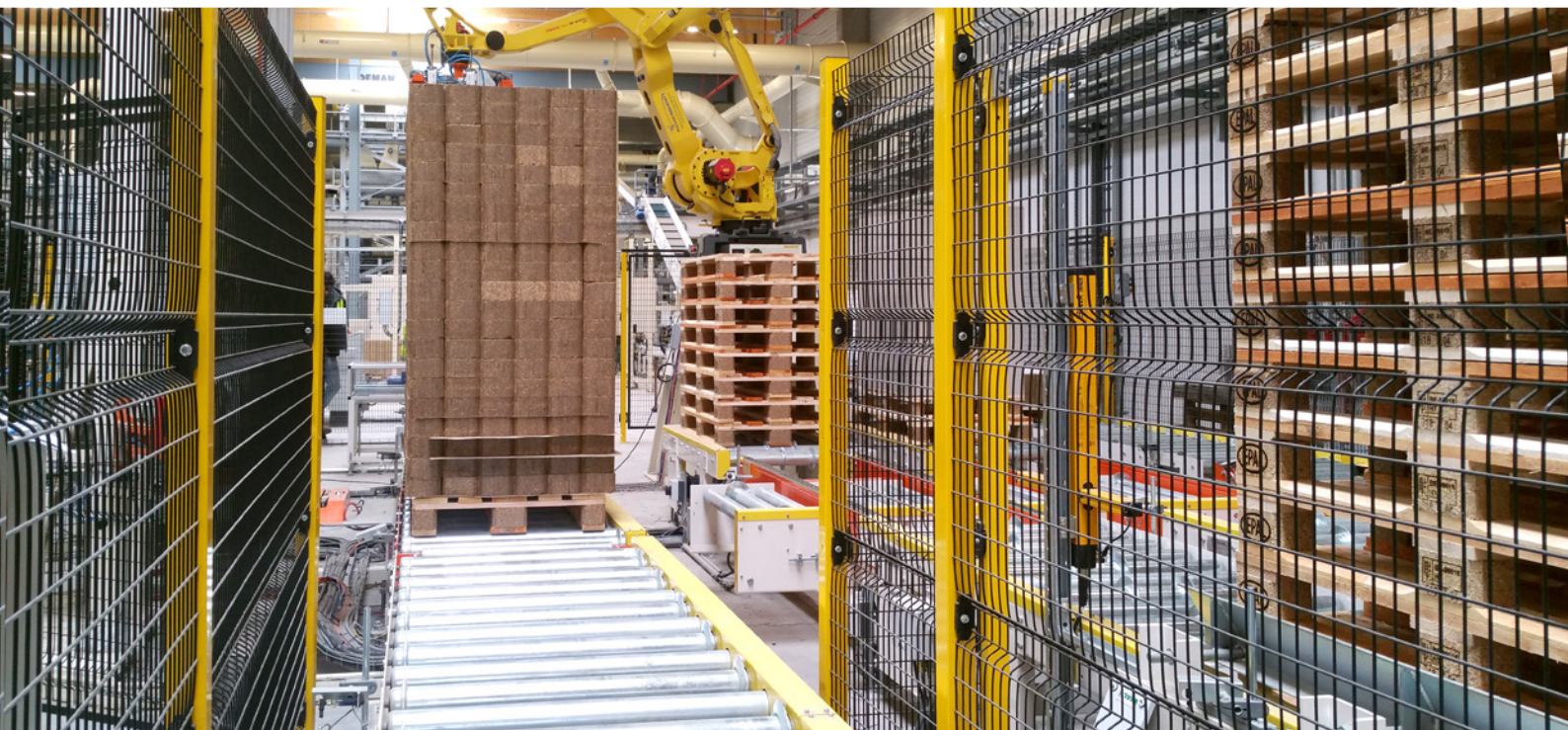
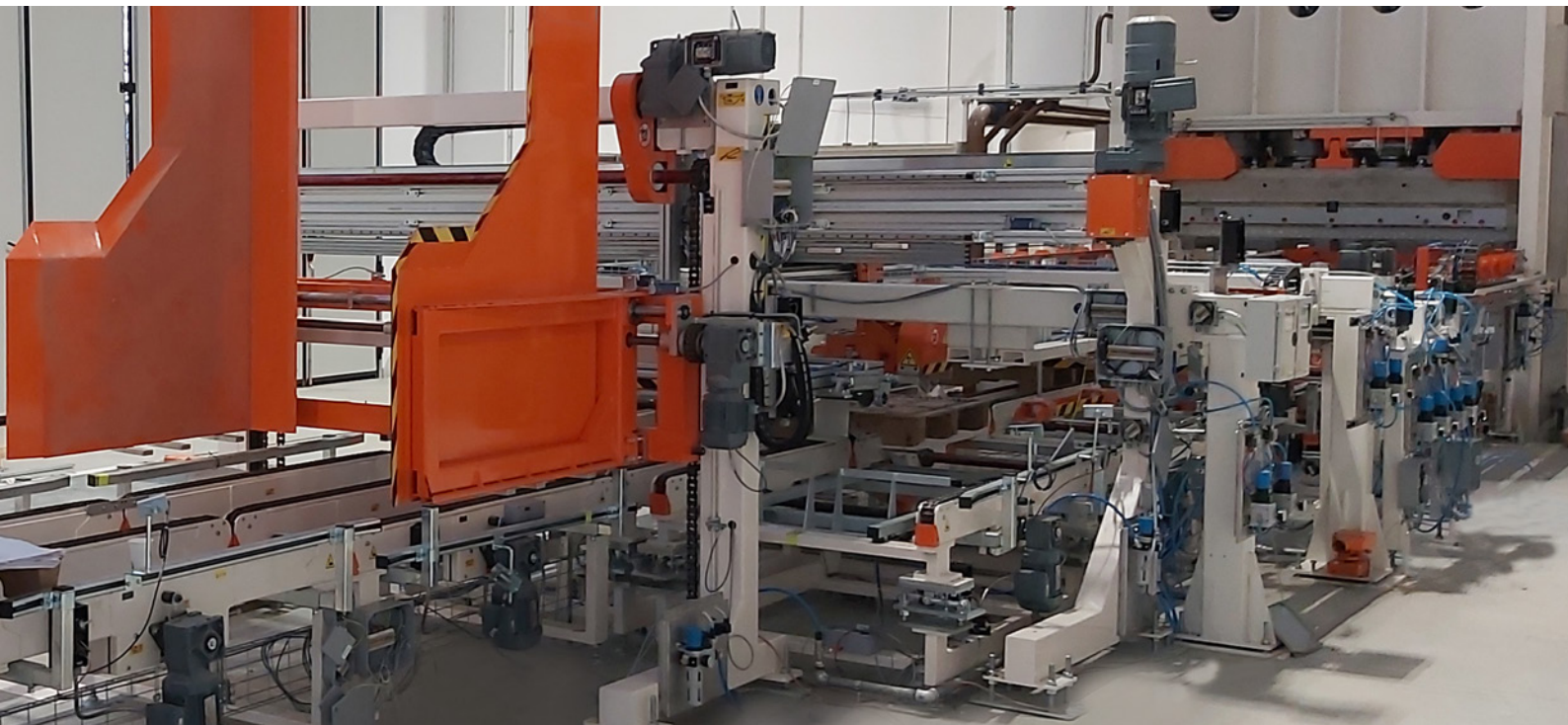
- AUTOMATION
- ELECTRIC CONTROL
- ENGINEERING

- SUPERVISION AND TRAINING
- TURNKEY INSTALLATION
- EPC PROJECT MANAGEMENT









# Pellets & Energy



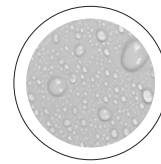
WOOD PELLETS AND BLACK PELLETS



GREEN FUELS AND BIOMASS



THERMAL AND ELECTRIC ENERGY



DRYING

## Process Equipment

- FEEDERS
- CRUSHERS
- DEBARKERS
- CHIPPERS
- EXTRACTORS
- SILOS & STORAGE
- ROLL SCREENS
- CHIP CLEANERS
- OPTICAL AND X-RAY SEPARATORS
- METAL REMOVERS
- DRYING
- FLAKERS, STRANDER & REFINERS

- SCREENS
- AIR SIFTERS
- DENSIMETRIC SEPARATORS
- METERING BINS & SCALES
- ON-LINE QUALITY CONTROLS
- ON-LINE SAFETY CONTROLS
- LABORATORY EQUIPMENT
- HANDLING & PACKAGING

## Services

- AUTOMATION
- ELECTRIC CONTROL
- ENGINEERING

- SUPERVISION AND TRAINING
- TURNKEY INSTALLATION
- EPC PROJECT MANAGEMENT







# Wood Recycling and Waste Treatment



WOOD RECYCLING



SLUDGE RECYCLING



PLASTIC RECYCLING



CUSTOMIZED SOLUTIONS FOR RECYCLING

## Process Equipment

- FEEDERS
- CRUSHERS
- EXTRACTORS
- SILOS & STORAGE
- ROLL SCREENS
- CLEANERS
- OPTICAL AND X-RAY SEPARATORS
- METAL REMOVERS
- FLAKERS, STRANDER & REFINERS
- SCREENS
- AIR SIFTERS
- DENSIMETRIC SEPARATORS

- METERING BINS & SCALES
- ON-LINE QUALITY CONTROLS
- ON-LINE SAFETY CONTROLS
- LABORATORY EQUIPMENT

## Services

- AUTOMATION
- ELECTRIC CONTROL
- ENGINEERING

- SUPERVISION AND TRAINING
- TURNKEY INSTALLATION
- EPC PROJECT MANAGEMENT









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