



MATEC INDUSTRIES

PARTNER IN PERFORMANCE FOR A SUSTAINABLE FUTURE

FILTER PRESS | WATER TREATMENT | WASHING | PUMPS

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WHO WE ARE

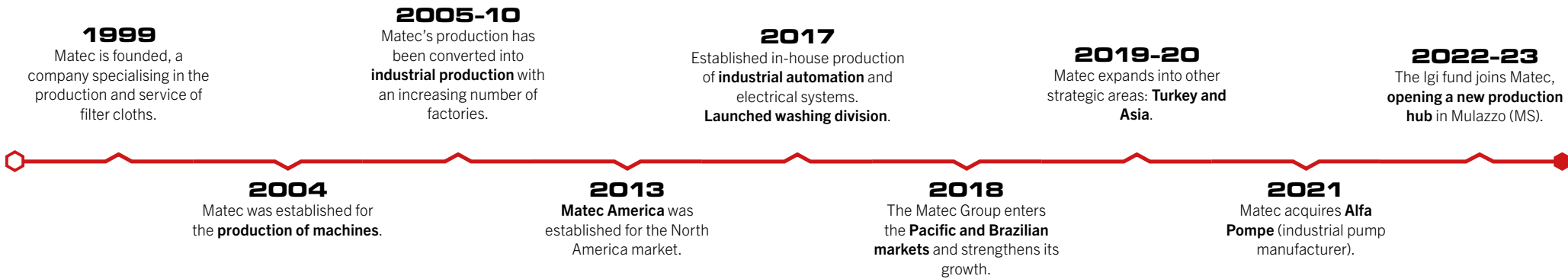
Matec Industries was established in 2004, specialising in filtration and clarification solutions for industry. Between 2005 and 2012, the company experienced steady growth, consolidating its market presence and expanding its range of products and services. 2013 marks a turning point with the **opening of the first subsidiary in the United States**, which starts the process of internationalisation. In the following years, Matec further expands its reach with new branches in **Australia, Brazil and Turkey**, establishing itself as a **global leader**.

In 2021, the acquisition of **Alfa Pompe**, a historic company based in Verona, allows the group to expand and complete its production capacity, adding new skills and technologies. The following year, 2022, represents another crucial moment with the entry of IGI Private Equity.

This support, not only financial but also strategic, allowed Matec to make a further qualitative leap, enriching itself with new skills and a broader vision, also enabling the **acquisition of the new production hub in the municipality of Mulazzo (MS)**, which projects the company into the future with renewed strength and ambition.

Sectors

 Mining	 Aggregates	 Recycling & Soil washing
 Stone Cutting	 Concrete & CWR	 Food & Beverage
 Sewage Sludges	 Chemicals Pharmaceutical	 Industry



CLOSE TO OUR CUSTOMERS

Matec is present **worldwide**, ensuring proximity to every customer and providing support in the **design** and **implementation** of each plant.

This **global presence** allows for a direct line to rapidly resolve issues or offer expert advice, thanks to our strategically located **offices**.

Our **investments** in international expansion not only establish Matec's **global presence** but also reflect our **commitment toward customer**.

Matec is always ready to invest in delivering **100 percent customer satisfaction**, reinforcing its dedication to **quality** and **service**.

Our subsidiaries are:

- Matec America
- Matec Brasil
- Matec Uk
- Matec Turkey
- Matec South Africa
- Matec Asia
- Matec Pacific



A TEAM COMMITTED TO YOUR SUCCESS



Commercial, Marketing and Sales

Our Commercial, Marketing, and Sales team drives business growth, enhances brand visibility, and strengthens customer relationships through targeted marketing strategies, proactive sales initiatives, and effective market analysis. We focus on delivering value and adapting to evolving customer needs.



Automation & Remote control support

With our specialized department, maintenance of automation systems becomes quick and efficient thanks to remote assistance. Our expert team is ready to intervene immediately, whether you choose to solve issues independently or use our guided support.



Production, Quality control and Logistics

Focused on manufacturing high-quality products and coordinating efficient distribution. Expert operators and logistics specialists collaborate to optimize production processes, ensuring on-time delivery and upholding high standards of quality.



After-Sales and Support

Provides technical assistance and premium customer service. Highly trained technicians and support staff guide clients after purchase, ensuring customer satisfaction and fostering long-term partnerships based on trust and reliable service.



Project management

Ensures strategic planning and cross-departmental alignment. Our skilled project managers oversee timelines, budgets, and stakeholder coordination, guaranteeing efficient project execution and successful outcomes that align with both client and company objectives.



Engineering and R&D

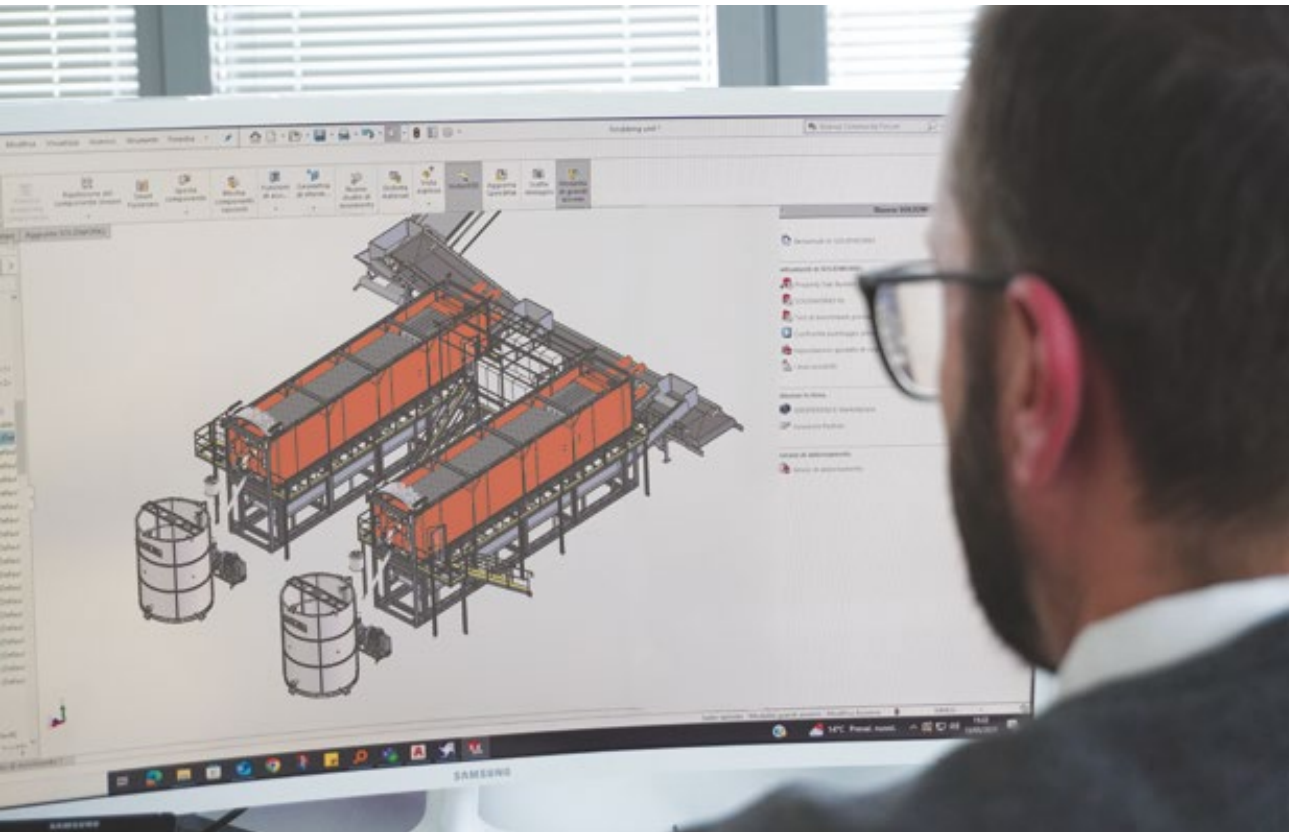
Committed to innovation and process improvement. Our R&D specialists work tirelessly on new technologies and methodologies, pushing boundaries to create cutting-edge solutions that drive Matec Industries forward.

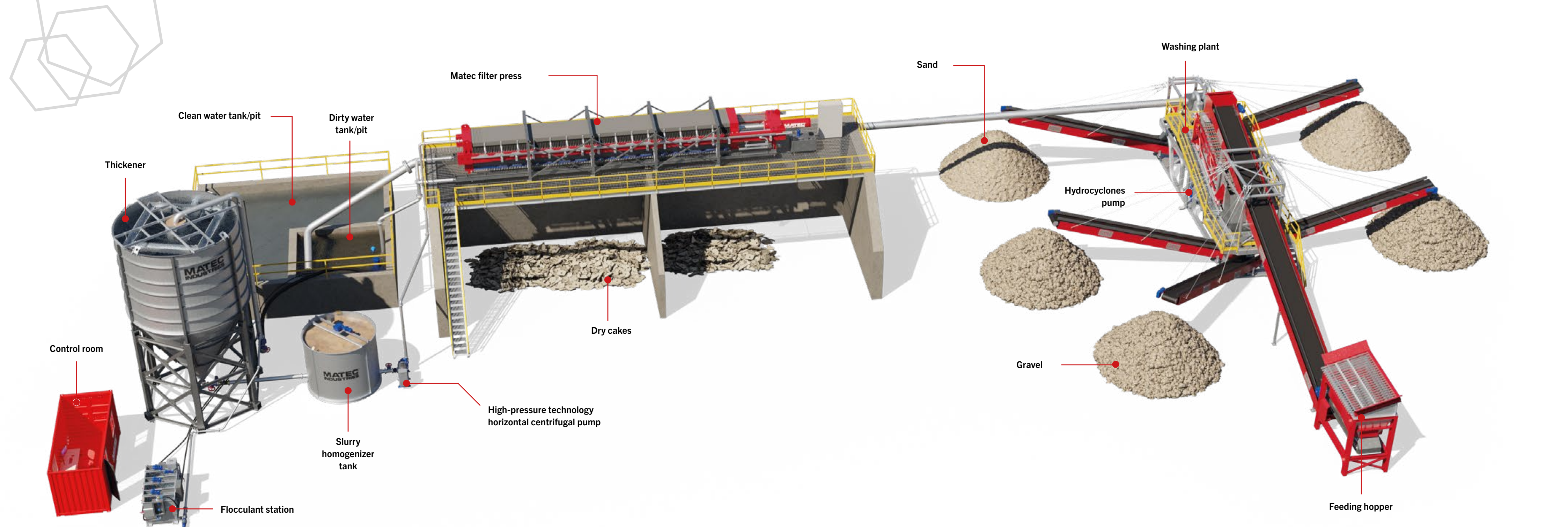
3
PRODUCTION
HUBS
> 56.000 M²

200+
EMPLOYEES

150+
PARTNERS
WORLDWIDE

Certifications





Control room

Thickener

Clean water tank/pit

Dirty water tank/pit

Matec filter press

Dry cakes

Slurry homogenizer tank

High-pressure technology horizontal centrifugal pump

Flocculant station

Sand

Washing plant

Hydrocyclones pump

Gravel

Feeding hopper

FILTER PRESS

Matec offers integrated water treatment plants for industries focused on **efficiency, sustainability, and compliance**.

These systems manage the entire water filtration process, combining advanced technology and **durable components** for **optimal performance**.

Filter presses

- High-efficiency solid-liquid separation.
- Operate with pressures up to 21 bar, featuring Alfa high-pressure pumps.
- Equipped with the TT2 Fast system for quick opening and enhanced process efficiency.



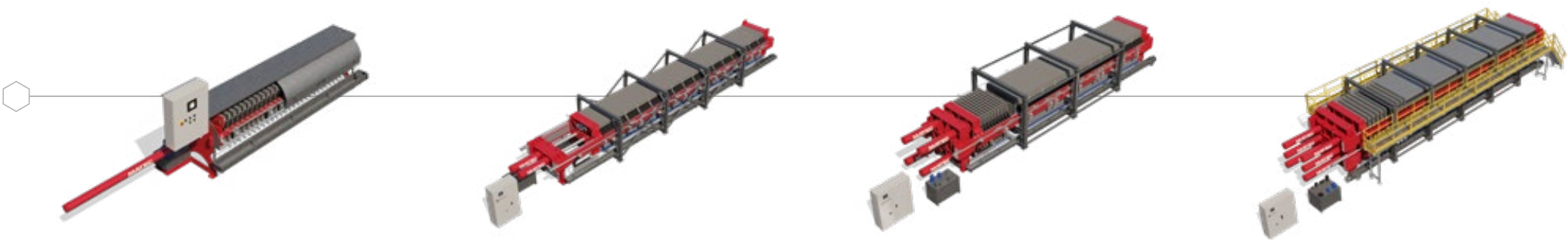
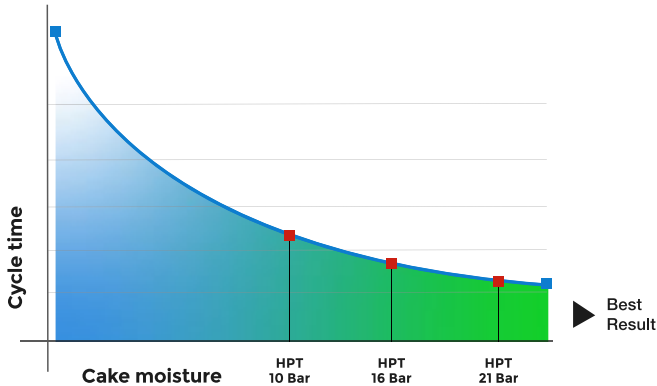
HPT, an innovative technology developed by Matec, **outperforms traditional methods** by utilizing **high pressure** to **efficiently filter challenging materials, including ultra-fine particles**, with rapid cycles compared to competitor low-pressure presses.

High pressure benefits

More results
Maximum process efficiency.

Less water in the cake
Water savings and a drier product.

Shorter cycles
Reduced processing times.



Models available supporting plate size ranging 400x400 mm to 2500x2600 mm, up to 220 plates and up to maximum volume of 53 m³



Discover more

WATER TREATMENT

Thickeners (horizontal and vertical)

- Available in vertical, rake, and high-rate models.
- Advanced systems for water clarification and sludge management.
- Vertical thickener capacity up to 900.000 L and up to 11 m diameter.
- High rate thickeners up to 100 m diameter.
- craping-bridge thickeners up to 30 m diameter
- Improve water recovery and reduce sludge volume.
- Available in stainless steel, galvanized carbon steel and painted carbon steel.

Additional water treatment components:

- Polyelectrolyte units for flocculation
- Sludge homogenizers
- Clear and dirty water tanks
- Robust pumps and pipelines
- Centralized automation for streamlined and efficient processes.



Discover more



Vertical thickener



Horizontal thickener
with scraping bridge



High rate thickener



WASHING

Matec's washing systems are designed to process and recover materials with precision, ensuring sustainability and efficiency in industries such as aggregates and recycling.

Sand and aggregates applications

Turning waste into value

- Sand and gravel
- Crushed stone
- Sand washing

Waste recycling solutions

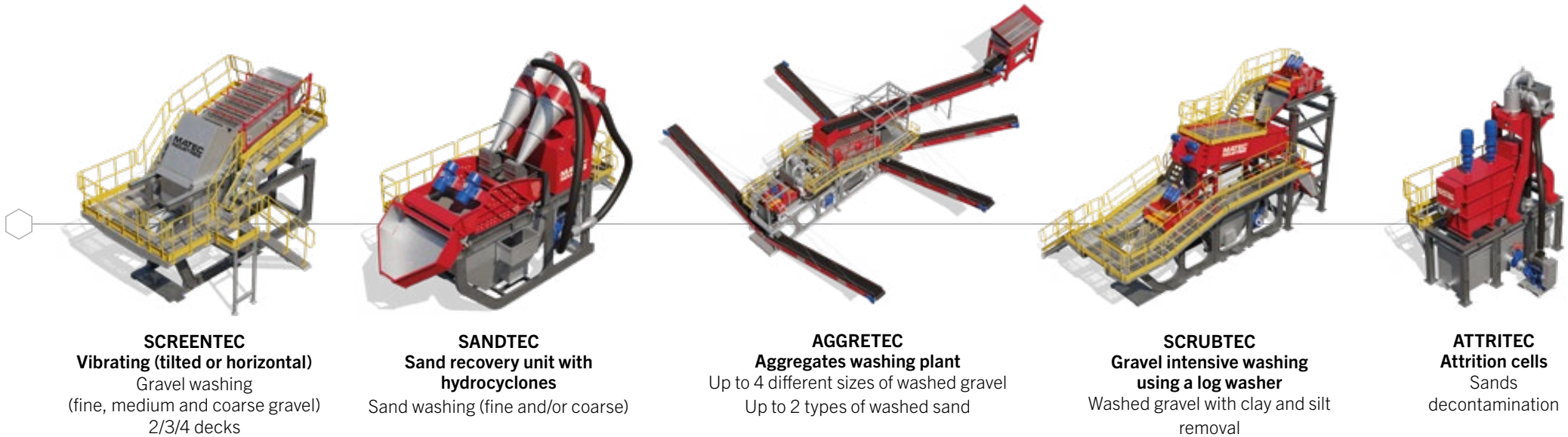
New value to the waste

- C&D waste recycling
- Contaminated soils
- Dredged sands
- Vacuum trucks
- Demolition waste
- Road sweeping waste
- Rail ballast recycling

Final aggregate products



1. Fine sand
2. Coarse sand
3. Fine gravel
4. Medium gravel
5. Coarse gravel
6. Oversize



Discover more

ALFA POMPE

Alfa Pompe stands out for the excellence of its products, achieved through the study of rigorous fluid dynamic simulations. With a constant commitment to innovation, each pump undergoes meticulous testing to ensure maximum performance and reliability.

The design, materials and engineering choices make our centrifugal pumps particularly wear-resistant and easy to maintain. Performance has been optimized to meet any requirement for pumping abrasive liquids, acids and slurries of various densities. Our pumps are:

- **Made in Italy**
- **100% compatible with other major brands**
- **Available in metallic and rubberized versions**

Certified company

Every stage of production is subjected to strict controls in compliance with modern standards and all required certifications.

Certified according to strict regulations, the company is committed to ensuring the highest quality, safety and conformity in its production processes, guaranteeing customers the highest reliability and satisfaction.



ENVIRONMENTAL
MANAGEMENT



HEALTH AND
SAFETY AT WORK



MANAGEMENT
FOR THE QUALITY



Discover more



Front suction pumps



Horizontal axis pumps
for high pressures



Submersible pumps



Vertical axis pumps

Models available that support 8, 16 and 21 bar pressures



After-Sales Services & High-Quality industrial spare parts



Filter cloths

Our filter cloths are designed **for all types of filter presses**, and can be tailored to meet the specific needs of different industries and applications.

- **Materials:** High-grade polypropylene and polyamide fabrics.
- **Sizes:** From compact 250x250 mm to large-scale 2500x2600 mm.
- **Weaves:** Monofilament, multifilament, or polypropylene fibrillated raffia.
- **Finishing Options:** Thermostabilized, calendered, or raw materials to suit various operating environments.



Plates for all types of filter presses

Pressure from 4 to 21 bar. Closed-discharge with 4 or 2 holes, or side discharge with 1 or 2 taps. Customizable high-resistance plates can be produced in any size up to 2500 x 2600 mm.

Specialized spare parts

Designed for total integration with leading industry models.

Components: Impellers, liners, valves, plus other critical parts, hydraulic components.

Materials: Wear- and corrosion-resistant, ideal for harsh environments.



Chemical products (flocclants) & lab test

Accelerates the separation of solid particles from water during the clarification process.

Advantages of our flocclant:

- Cost-effective
- Low consumption
- Non-toxic
- Does not alter the treated material

In the competitive filtration market, we stand out with a unique approach:

- We customize formulas based on **specific customer requirements**.
- We ensure superior performance over competitors by **dedicated testing** on client-provided samples.



Remote monitoring and support services

With the M.A.R.A® system, maintenance of automation systems becomes fast and efficient thanks to remote support available through the provided tablet.

This allows for immediate intervention to resolve any issues, either independently or with assisted support.

The benefits for the customer are significant:

- **Minimize wait times:** Immediate assistance is provided.
- **Reduced downtimes:** Problems are resolved quickly, minimizing machine downtime.
- **Zero worries:** We handle everything, simplifying management for the customer.

Technological upgrades & Customer solutions



Comprehensive upgrade solutions

We provide full upgrade solutions covering every aspect of the process: from initial assessment and customized design to final implementation and installation.

- **Upgrades for existing systems**
- **Upgrades for pumps**
- **Upgrades for filter presses**

Each phase is meticulously managed to ensure optimal results and minimal disruption to your daily operations.



Electrical panel upgrades

Our electrical panel upgrade services integrate the latest technologies and innovations into your existing system. This process ensures that your installations benefit from the latest improvements in efficiency and safety and remain compliant with current standards.

Improvements to existing panels

Not only do we upgrade, but we also enhance existing electrical panels by improving their performance and capacity. Possible modifications include hardware and software updates, making the panels more reliable, safer, and more efficient.





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