

EN



THE EXCELLENCE **WORLDWIDE**, BY NATURE



**COMPANY** PROFILE



**ITALY, USA,  
BRAZIL, FRANCE,  
AUSTRALIA,  
TURKEY.**

**6000 M<sup>2</sup>  
WORKSHOP**

**400 M<sup>2</sup>  
OFFICE**

**5000 M<sup>2</sup>  
EXTERNAL SPACE**



## **A STORY OF TANGIBLE RESULTS**

MATEC WAS BORN IN ITALY AND IT HAS GROWN IN THE INTERNATIONAL BRAND THAT WE NOW KNOW, WITH OFFICES ALL OVER THE WORLD. Matec designs and manufactures complete plants for waste water purification and filtration in many sectors, the most important of which are: **coal, iron-ore, aggregates, gravel, sand, stone, concrete, ceramic, glass.**

Matec's objective is the complete customer satisfaction, guaranteeing a fast after-sale service, but also pre-sale consultancy service, to accurately identify the real needs of potential customers. We have installed over **3000** wastewater purification plants all across the world, **400** in the last two years: this is the real guarantee of our production and service quality.



**N° 1**  
**ITALIAN  
MANUFACTURER  
OF FILTER  
PRESSES AND  
100% ITALIAN  
COMPANY**

THE EXCELLENCE **WORLDWIDE**, BY NATURE



**AN EXPERT  
TEAM  
DEDICATED  
TO YOU**



## A HISTORY OF SUCCESS



### **MATTEO GOICH**

has always worked as Manager and Commercial Director in various companies.

He has been immediately able to identify customer's needs and compete in sales starting from basics since his first experience as a Salesman. He has been successful in creating and developing commercial networks, entrusting products to a selected and qualified staff.

He also attended Masters and training courses in sales. Increasing his professional curriculum and updating his sales techniques which represent the core of his work to meet market's latest need is his must. He has organized and participated to international events in fields such as marble, granite, ceramics, mining, aggregates and environment since 1997. Traveling across the world he has gained knowledge of various sectors' international markets, developing important partnerships with both collaborators and global companies.



### **MASSIMO BERTOLUCCI,**

after working in the engine department of Piaggio in Pontedera where he experienced working in an industrial excellence, began his hands-on training in the sector of technical systems. At first, he started as a Mechanic, then he was promoted Head of Technical Assistance, and finally Technical and Design Director.

He has created and established companies over the years. Especially he takes care of each and every aspect of production and spare part departments, but he also focuses his work on the creation of just in time technical assistance services. He has selected and trained many skilled technicians who have always been chosen for expertise. He attended training and management courses dedicated to technical areas. Since 2003, MATEC foundation year, he has also developed skills and competences in design and engineering of turnkey systems, coordinating MATEC design center which consists of 10 engineers.

He has successfully carried out projects up to 5 million euros.



# OUR TEAM OUR SUCCESS



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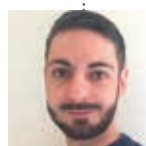
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**120**  
DEALERS  
WORLDWIDE

**150**  
AGENTS  
WORLDWIDE



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**50**  
WORKSHOP  
PERSONNEL

**15**  
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STAFF



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# THE WORLD OF FILTRATION



2003



2012



2013



2017



2018



2019

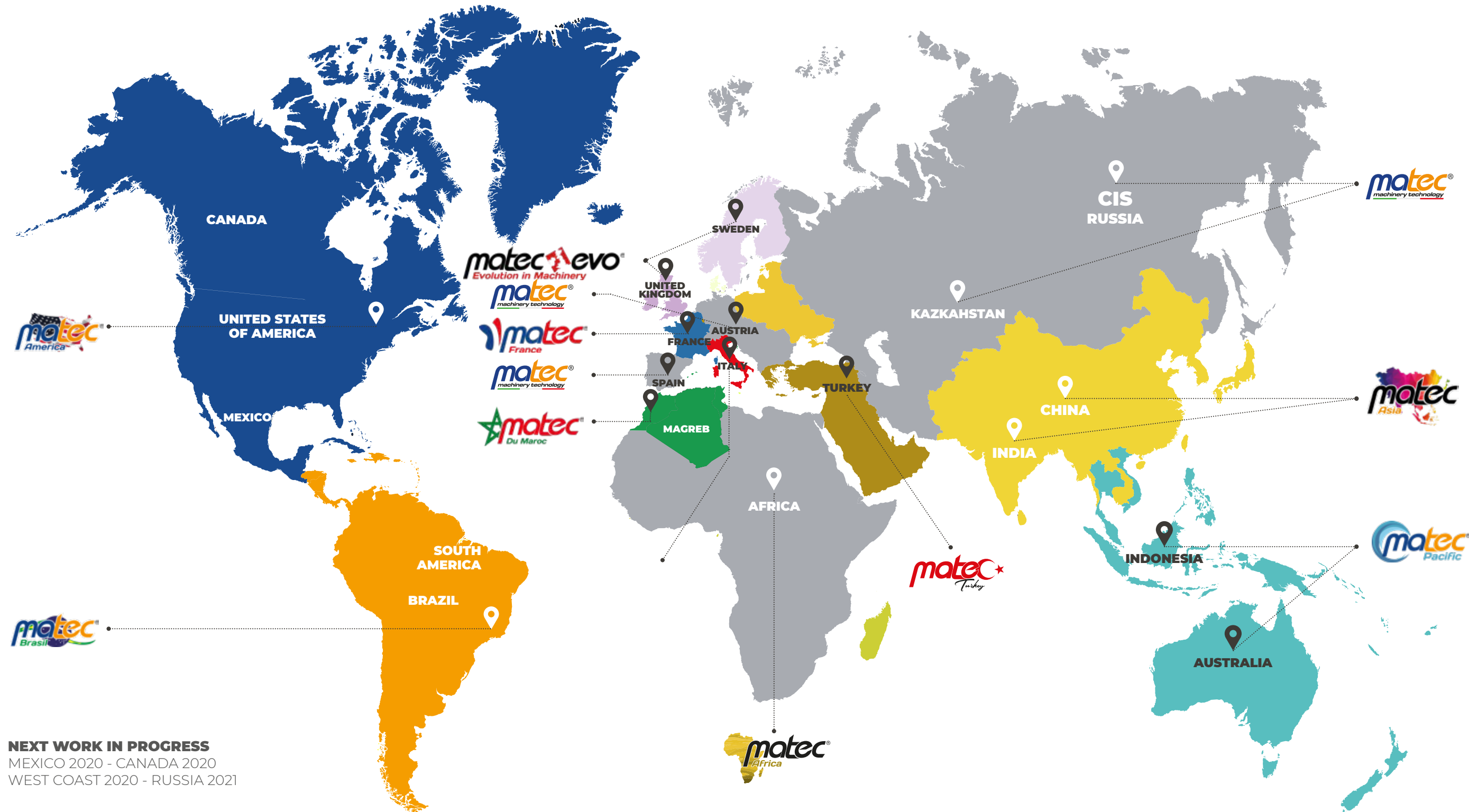


2020





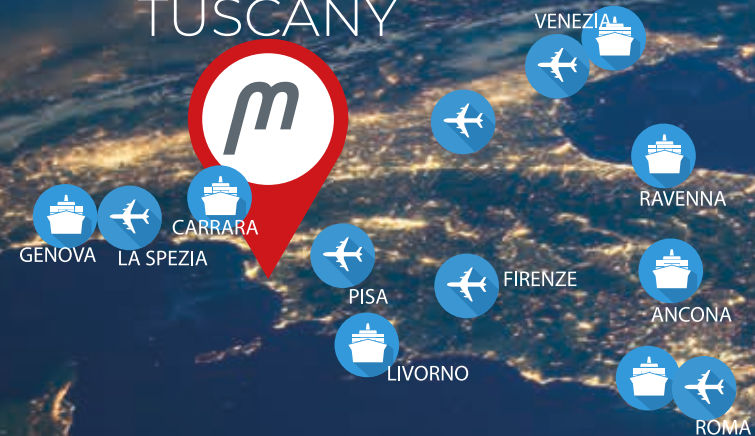
		<b>MATEC AMERICA</b> Vinicius Vilela / Michele Kallonakis
		<b>MATEC BRASIL</b> Jose Brum / Vinicius Vilela
		<b>MATEC PACIFIC</b> Edoardo Sommecal / Martin Vieira
		<b>MATEC FRANCE</b> Philippe Gerard
		<b>MATEC ITALIA / CORPORATION</b> Michele Kallonakis / James Pucci / Paolo Lollo
		<b>MATEC ITALIA</b> Gianluca Panzeri
		<b>MATEC ITALIA</b> Victor Antipin
		<b>MATEC ITALIA</b> Nicola Garofani
		<b>MATEC EVO</b> Iain Walker
		<b>MATEC TURKEY</b> Firat Bulut / Martin Vieira
		<b>MATEC DU MAROC</b> Hicham Oumas
		<b>MATEC ASIA</b> Nipendu Rajbansi / Nicola Garofani
		<b>MATEC AFRICA</b> Sahbi Flija



**NEXT WORK IN PROGRESS**  
 MEXICO 2020 - CANADA 2020  
 WEST COAST 2020 - RUSSIA 2021



MASSA  
TUSCANY



## WORLDWIDE NETWORK

250 PLANTS EACH YEAR  
250 CONTAINERS EACH YEAR  
250 TRUCKS EACH YEAR

We design, produce and install complete and turnkey plants in any sector that deals with waste water and silt. The most important are **mining, aggregates, sand and gravel, stone, concrete, ceramics, plastic and glass.** We have

Matec's headquarter is in Massa, in Tuscany, Italy. Our workshop and offices cover 6000 m<sup>2</sup>, here we design and manufacture **all our machines to offer 100% Made in Italy products.** Matec is a consolidated presence in all continents and we



had an experience over 15 years and thousands of successful projects around the world. Through our systems it is possible to obtain **better results,** because the systems are maximizing costs, eliminating precious materials and costing disposal costs. We are able to offer our customers the best quality machines, also thanks to the components of **the best brands and the best service.**

have developed in America, Brazil, India, Turkey and Australia, beyond a network of global dealers. Through our warehouses and retailers, you can supply the necessary spare parts and provide assistance.





# THE ITALIAN BRAND IN THE WORLD



Specializes in the design and development of waste water purification and filtration plants. Our mission is the customer's satisfaction. That is why we offer timely after-sale service, as well as before-sale advice to understand the real requirements of our potential customers. We have installed over 400 purification plants all across the world in the last two years: this is the real guarantee of our production and service quality. It does not matter the size of your business, our range of machines covers every kind of needs. We can guarantee the best solution for




any case, thanks to a particle-size analysis of sludge and wastewater. Well in advance, MATEC CORPORATION is able to find out and accurately outline all the specifications needed to supply a perfectly-sized plant. Our internal test laboratory works in conjunction with the best private and public research and test facilities.



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# THE ITALIAN BRAND IN THE WORLD



STEEL WORKS is a dynamic company, operating in the construction of structural metalwork, architectural constructions, earthquake-proof rims, furniture and furnishing accessories, tanks. For years on the national and international market, always ready to meet even the most particular needs of the customer, we are able to offer design, construction and advanced construction technology.

STEEL WORKS is a young and dynamic company, which has established itself in recent years, thanks to the many designs and achievements both nationally and internationally.



We are located in the industrial area of Massa Carrara, the nerve centre of all production and marketing activities in Tuscany.

The company offers a highly professional team, constantly updated with the necessary regulations and certifications, ensuring products of incredible longevity and quality of the highest level.




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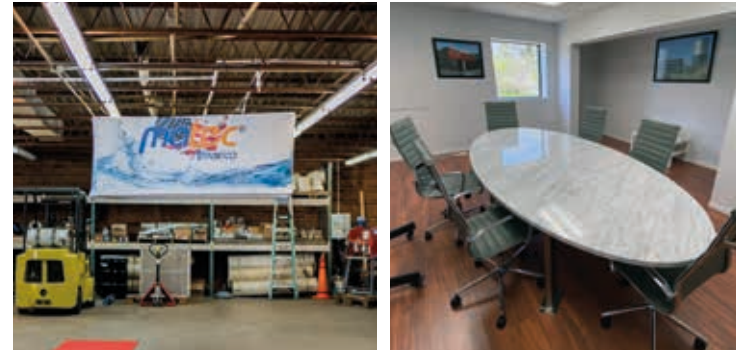
**NORTH CAROLINA  
HIGH POINT  
AMERICA**



# MATEC LEADER IN USA



MATEC AMERICA is the American branch of Matec Srl. It imports and distributes Matec's products in USA, Canada and Mexico. Through our headquarters based in North Carolina, we can offer fast services, as well as fast delivery and before and after sales assistance. Customers can also find all the spare parts for any Matec Srl product and machine. MATEC AMERICA was born with the purpose of providing services just in time all across the American market, supporting Matec's products with an excellent technical and commercial organization. MATEC AMERICA can offer filtration and purification turnkey plants for the major sectors.



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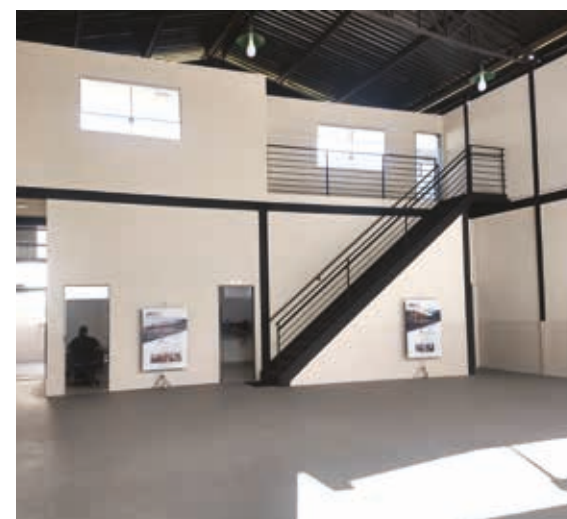
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Matec Brasil specializes in the waste water purification and filtration plants. We work for many different industries, the most important are: mining, aggregates, gravel, sand, stone, ceramics and glass. Our mission is the customer's satisfaction. That is why we offer timely after-sale service, as well as before-sale advice to understand the real requirements of our potential customers.



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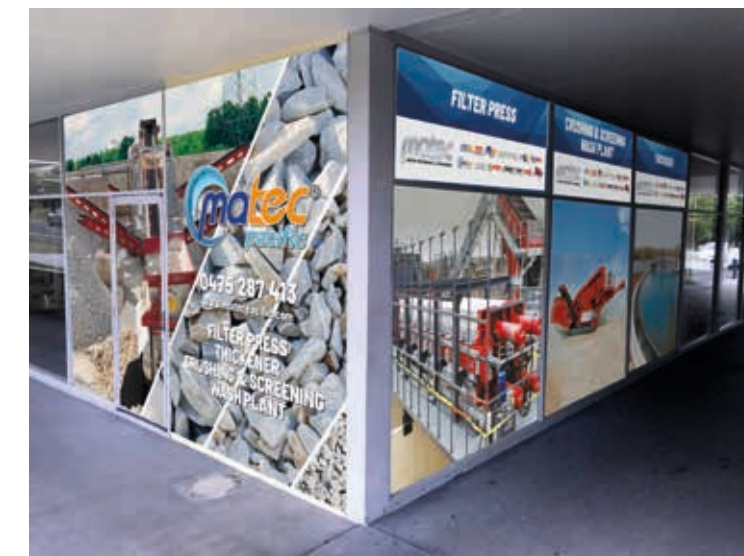
# THE ITALIAN BRAND IN THE WORLD



## MATEC OPEN NEW OFFICE LOCATED IN QUEENSLAND AUSTRALIA!

In the past year Matec Pacific has been growing in Australia, traveling kilometres between states and across oceans to better help our customers who form part of the Pacific region; however the demands of our clients were plenty, so to provide better services, expand our offices and create new projects, we decided that we needed to stretch out across time zones. The new location in Waterford West, Queensland, will strengthen Matec Pacific's presence and offer dedicated space for meeting with our clients, partners and with our sales and delivery team.


Our office in Queensland will be dedicated exclusively to tend to our customers (or potential ones) in the Eastern part of Australia, to have one-on-one attention, exchange ideas and knowledge so that both parties together can come up with new and creative projects, but most of all to deliver a personalised service. We are aiming to bring all of our experience and



knowledge closer to you. It has been an exciting year at Matec Pacific in Australia and for sure it will keep on being as long as we are here. Feel free to contact us anytime because after all, our office is already up and will be run by Martin.

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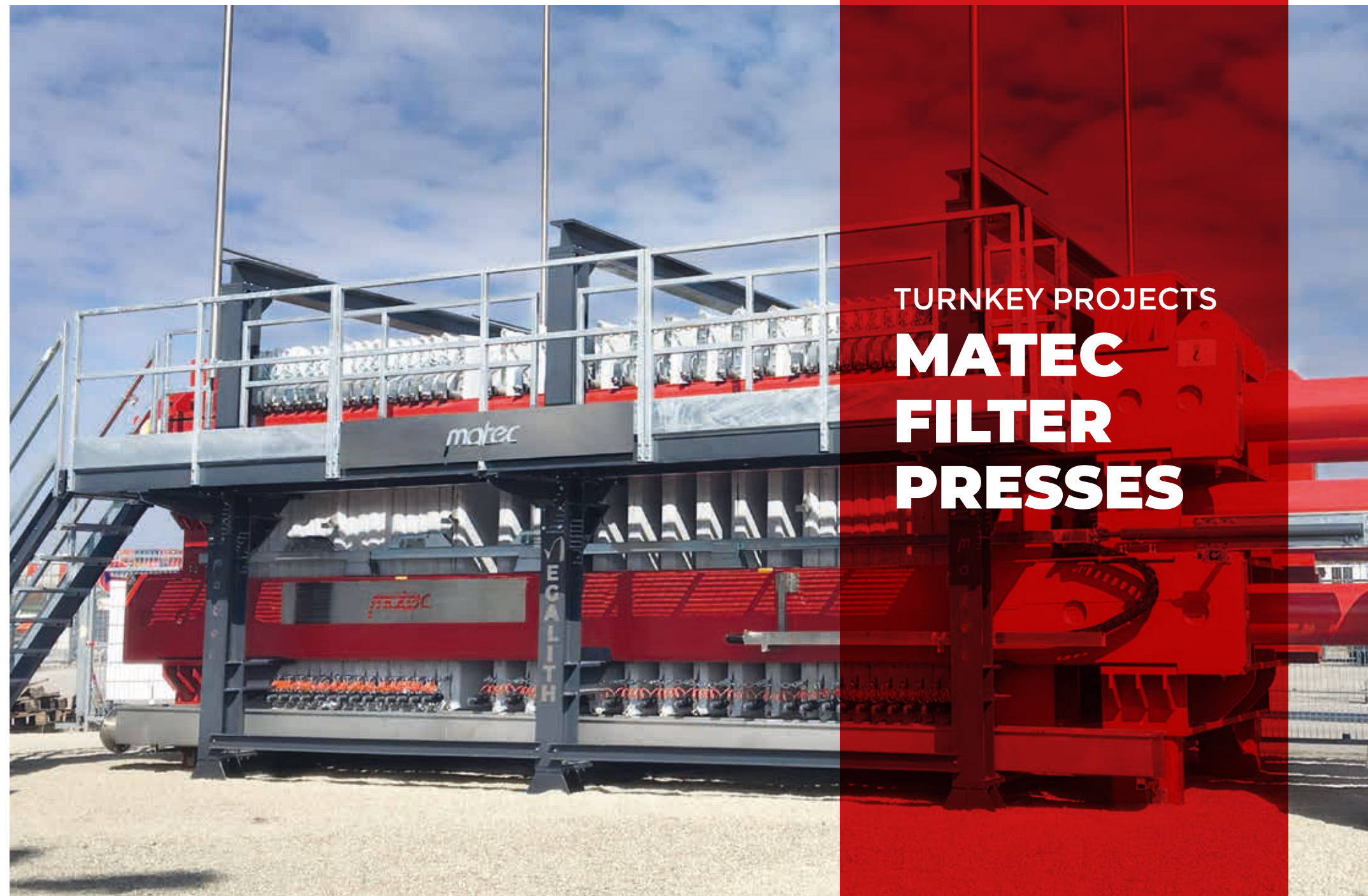
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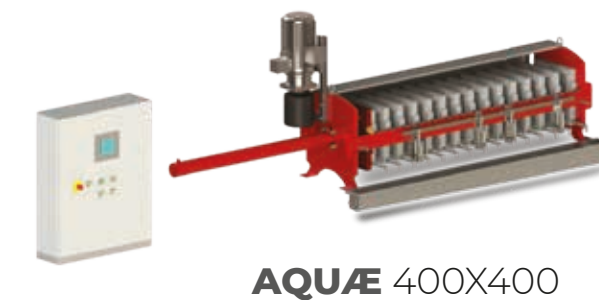


TURNKEY PROJECTS  
**MATEC  
FILTER  
PRESSES**



**AQUÆ**®  
FILTER PRESS

Aquæ range includes small Filter presses to guarantee work in fields of application where only small capacities and flow rates need to be treated.



**AQUÆ 400X400**



**AQUÆ 500X500**



**AQUÆ 630X630**

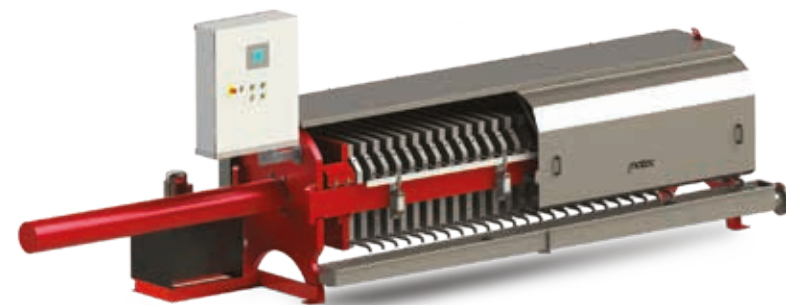




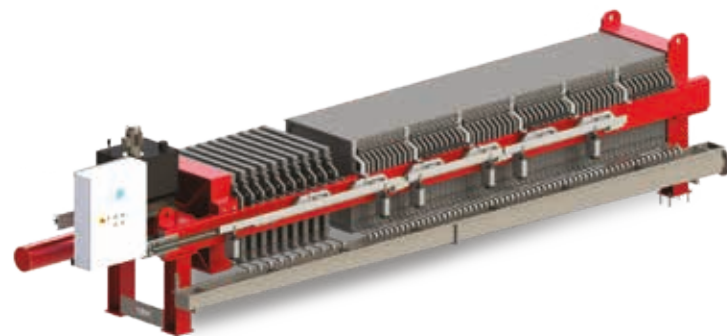
# IGNIS<sup>®</sup>

FILTER PRESS

Ignis range includes medium Filter presses to guarantee work in fields of application where only small/medium capacities and flow rates need to be treated.



IGNIS 800X800



IGNIS 1000X1000



TERRÆ 1500X1500



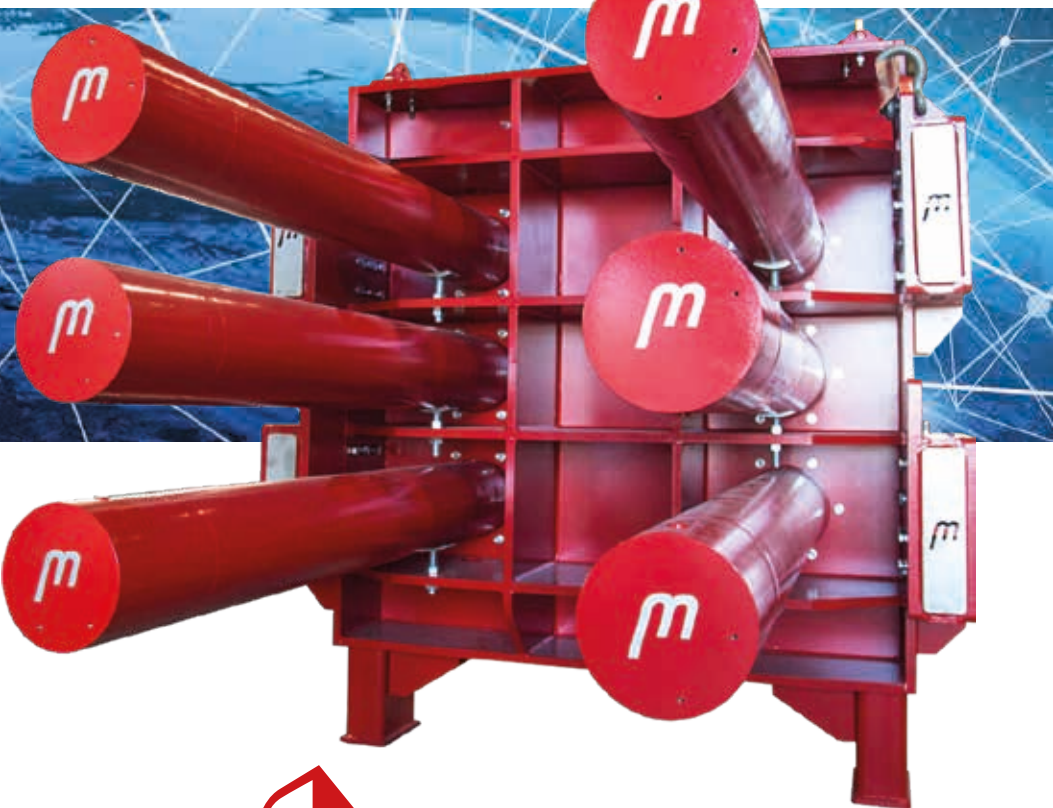
TERRÆ 1500X2000

# TERRÆ<sup>®</sup>

FILTER PRESS

Terræ range includes medium-big Filter presses to guarantee work in fields of application where only medium-great capacities and flow rates need to be treated.



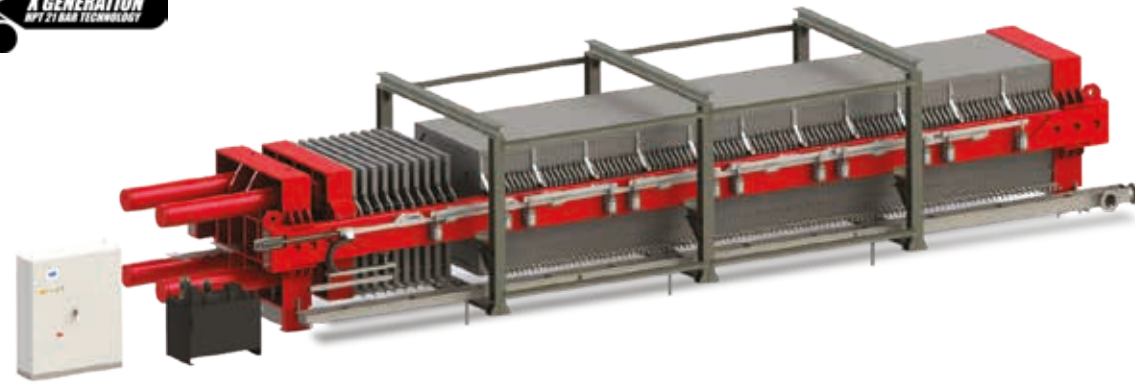


# MAGNUM<sup>®</sup>

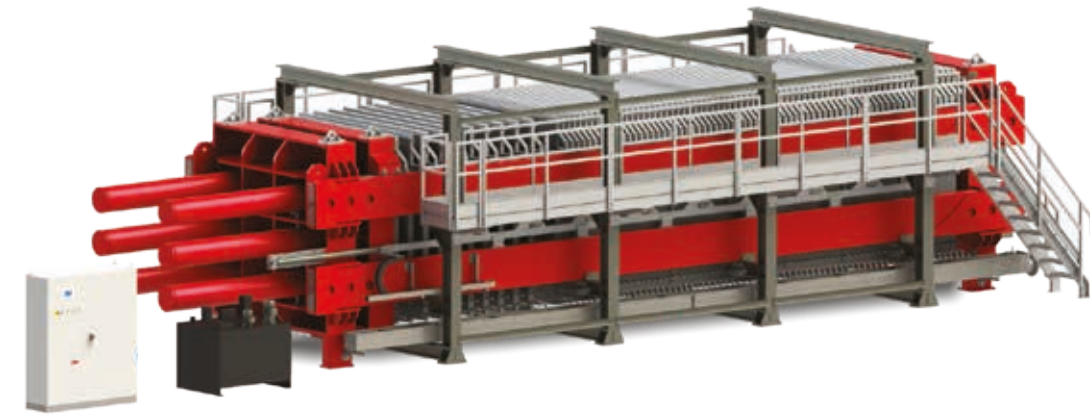
FILTER PRESS



Magnum range includes big Filter presses to guarantee work in fields of application where only great capacities and flow rates need to be treated.



**MAGNUM 2000X2000**



**MEGALITH 2500X2600**

# MEGALITH<sup>®</sup>

THE BIGGEST FILTER PRESS IN EUROPE

Megalith range includes big Filter presses to guarantee work in fields of application where only huge capacities and flow rates need to be treated.





## TURNKEY PROJECTS SILOS



### CLARIFICATION SYSTEM **aquatop**

#### **RAKE THICKENER**

The horizontal decanters are ideal for the argest water flows. They have a limited height and are provided with an upper sludge thickening system. Horizontal decanters are made of stainless steel in their middle and large versions, while the largest ones are made of concrete. The decantation principle is more or less the same occurring in vertical decanters. The rake mechanism stirs the sludge through its rotation movement pushing it to the bottom. The discharging is automatic and adjusted to the rake effort, in order to reach the desired thickness. Sensors will give the opening input to the thickener discharging valve and the sludge will go through, to the Bifang.



**PASTE THICKENER**  
Matec can supply horizontal thickener in Stainless steel, galvanized carbon steel and painted carbon steel. The diameter of the horizontal Thickener with scraper bridge that Matec can supply are: 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 30 - 36 meters.



#### **DEEP CONE VERTICAL THICKENER**

The vertical decanters are based on the principle of static decantation and the natural precipitation of suspended solid particles. During decantation occurring inside Matec decanters, the solid particles (the mud) sink down to the bottom of the structure, while the clean water overflows into the drainage system at the top and it is discharged in a dedicated tank or pit (clean water tank).







**TURNKEY PROJECTS**  
**WASHING**

**FIELDS OF APPLICATION**

**AGGREGATES**

**INDUSTRIAL SANDS**

**RECYCLING**

**WATER  
MANAGEMENT**



**FROM WASHING TO  
FILTRATION WITH  
MATEC, STEP BY STEP  
TO GREAT RESULTS**

Matec is a well-established leading company in the designing, manufacturing and installation of purification and filtration plants. After over 15 years of experience and hundreds of washing plants we have started our dedicated line of washing systems, to offer our customer a solution which has been conceived to work with our purification and filtration plant. Thus, the best result is guaranteed. The creation of systems which harmonize cutting-edge industry and the environment has always been our main objective. As a matter of fact, our machines, from the washers to the filter press, comply with regulations in terms of water and materials.

Searching for innovation, to offer customers complete and efficient plants in the aggregates, recycling, sand production and mining sectors.

100% Made in Italy products to be assembled in our headquarters in Massa, in one of our branches worldwide (USA, Brazil and India) or on-site, thanks to the work of a great team of engineers and technicians. In addition, Matec will offer you pre-sale assistance for your customized plant, perfect for your needs, and after-sale assistance thanks to global dealer network, because we believe in working with local people to best serve our customers, wherever they are. Our machines can be stationary or modular ones, according to the requirements of the plant.



**AGGRETEC**



**BUCTEC**



**SCREENTEC**



**SCRUBTEC**



**SANDTEC**



**ATTRITEC**





TURNKEY PROJECTS  
**CRUSHING  
 MAXTEC**



**EXPLORE THE WORLD  
 OF MATERIAL PROCESSING**

MAXTEC means material processing explorer, serves the global mining and aggregate industries with tracked mobile crushing and screening equipment through integrated solutions to improve mobility, productivity, and safety. We work closely with our customers to provide top quality products and exceptional services to achieve their business requirements, as well as experienced engineers and genuine parts to keep MAXTEC products running for decades. MAXTEC provides a full range of tracked mobile material processing equipment to the aggregate, mining, industrial, demolition, construction waste and recycling with mobile jaw crushers, mobile impact crushers, mobile screeners, mobile belt conveyors, tracked plants, as well as full scale material processing facilities.



**CAT**



**LEOPARD**



**TIGER**



**PUMA**

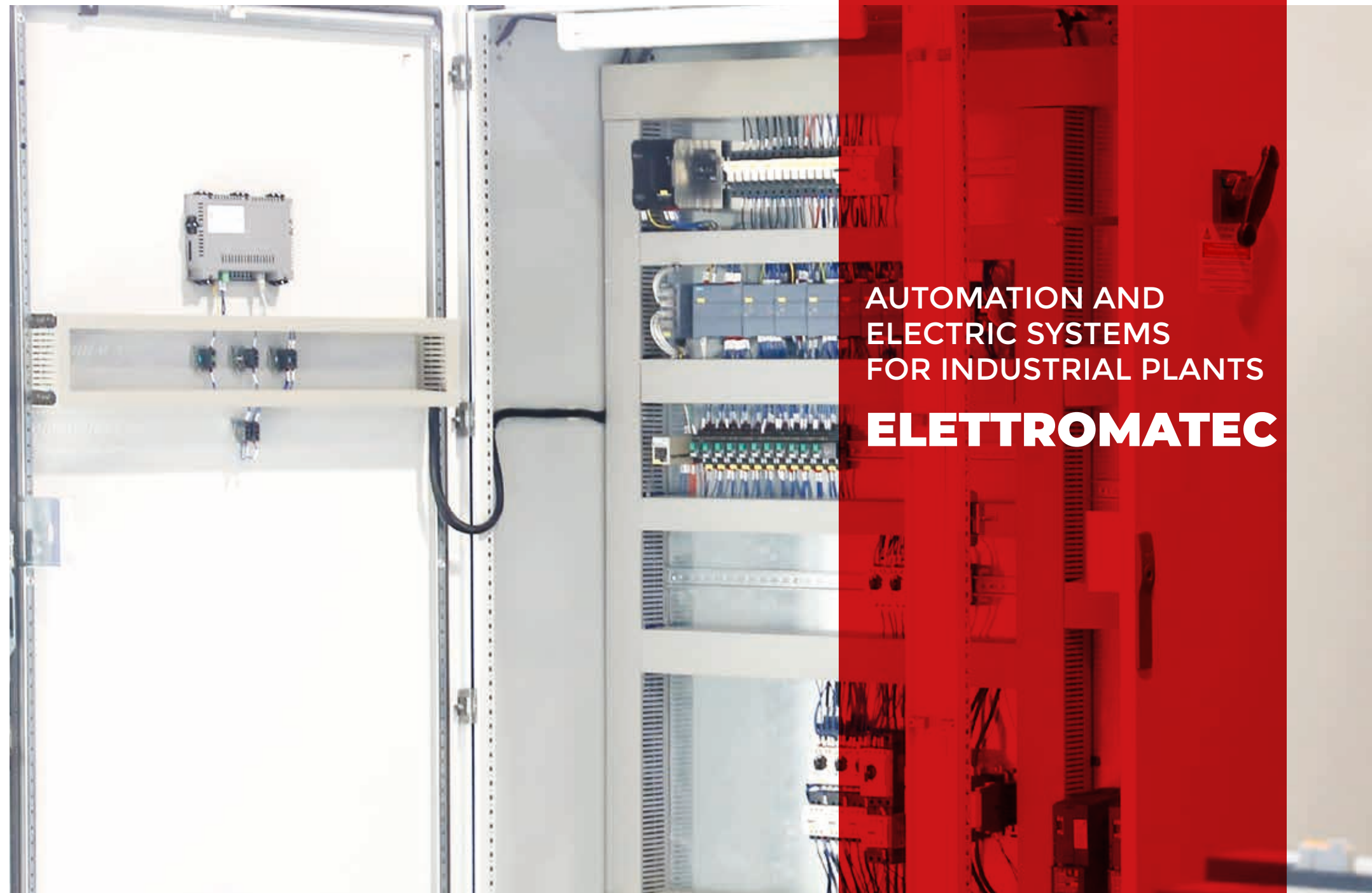


**LION**



**PANTHER**

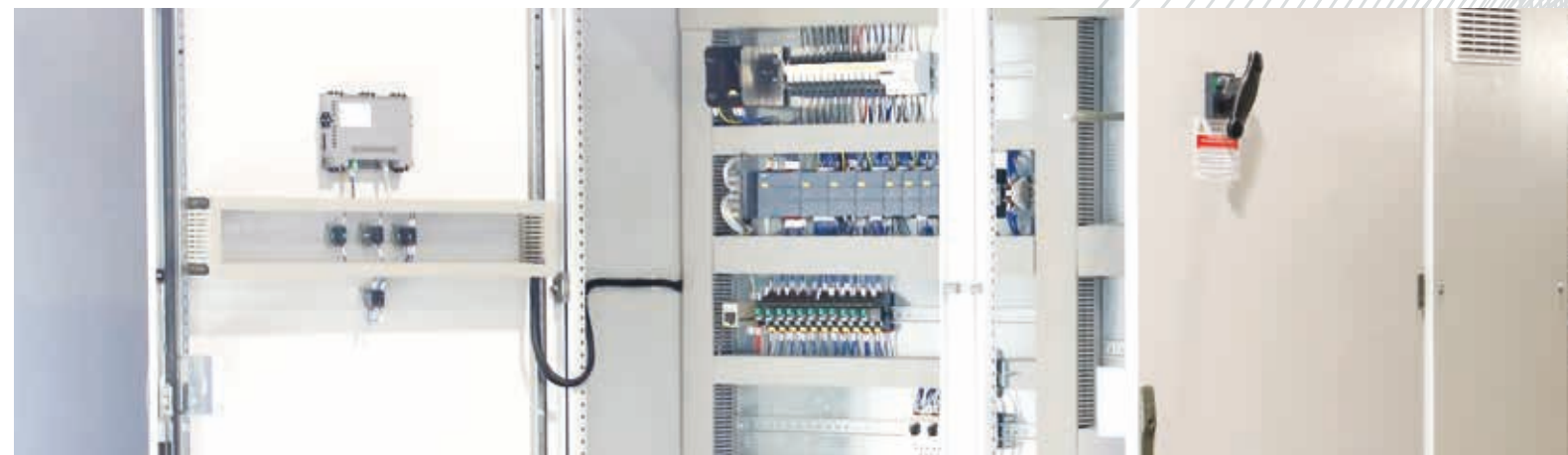




**AUTOMATION AND  
ELECTRIC SYSTEMS  
FOR INDUSTRIAL PLANTS  
ELETTROMATEC**



Elettromatec was born in 2016. The automation of industrial plants has become an increasingly demanded feature in many sectors. The staff of Elettromatec consists of people who have developed an extensive experience, creating plants and systems from the scratch, from the diagram to the commissioning. Especially, we can exhibit a great knowledge on water treatment plants with filter press, thickening system and flocculant plant.



**ELECTROMECHANICAL  
AND ELECTRICAL PANELS**

Our technicians manufacture paintings electromechanical panels that vary from direct start-up to star-delta start-up, power supply panels single-phase and electric pumps three-phases control systems, fluxing systems.



**THERMAL IMAGING  
AND SECURITY SYSTEMS**

Elettromatec installs and sells security systems, thermal cameras with real-time temperature detection for a wide range of applications, from companies to individuals.our technical office, we can take an idea and turn it into a finished project.







# MATEC IN THE WORLD

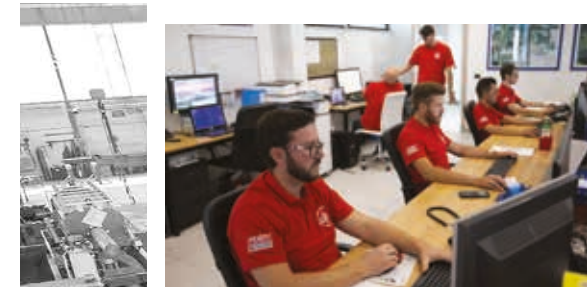






# FROM THE IDEA TO THE FINAL RESULT

ASSEMBLING  
FINISHING  
CLOTHS  
READY TO SHIP  
MATEC TECHNICAL OFFICE  
IRON CUTTING  
IN THE WORKSHOP  
IRON WELDING  
PAINTING



MATEC TECHNICAL OFFICE



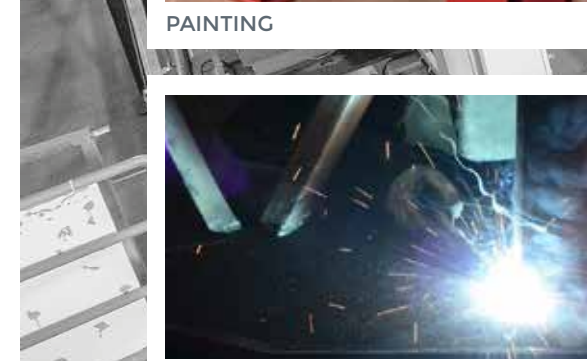
IRON CUTTING IN THE LABORATORY



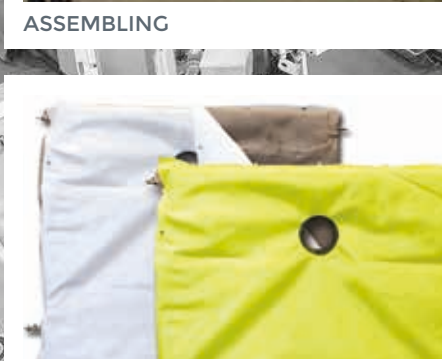
PAINTING



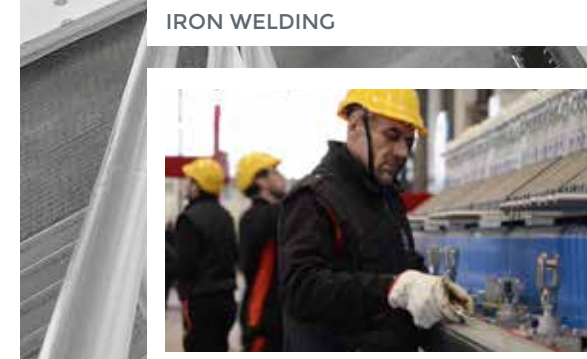
ASSEMBLING



IRON WELDING



CLOTHS



MACHINE BOARD

# A FULL INTEGRATED PRODUCTION PROCESS

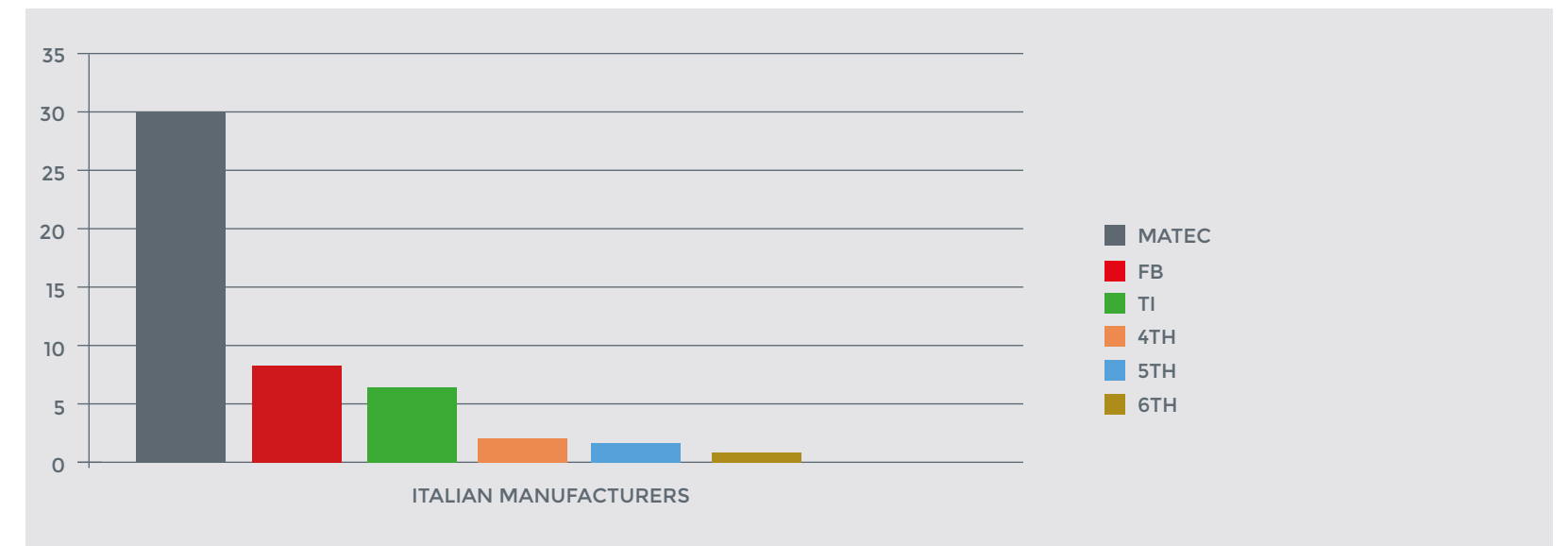
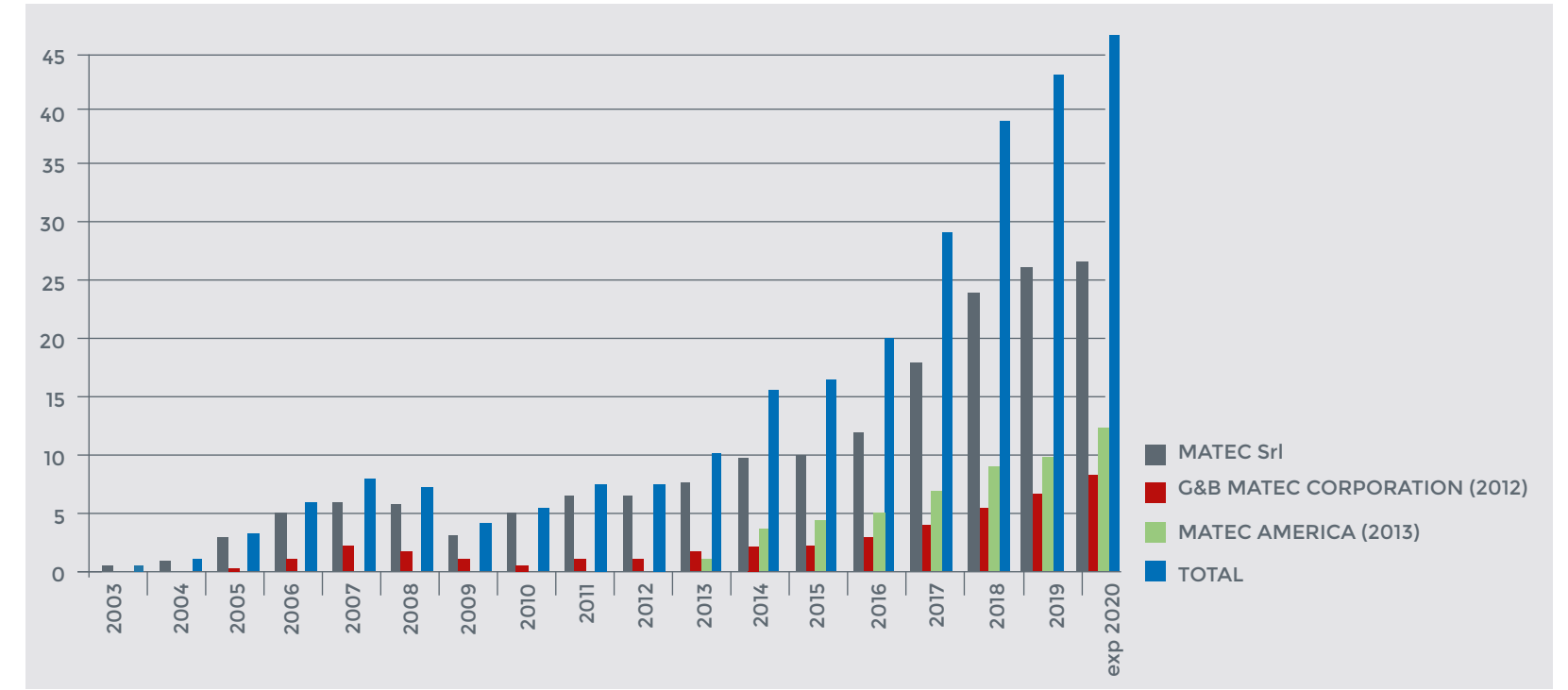




## ITALIAN MANUFACTURERS OF FILTER PRESSES



## MATEC TURNOVER

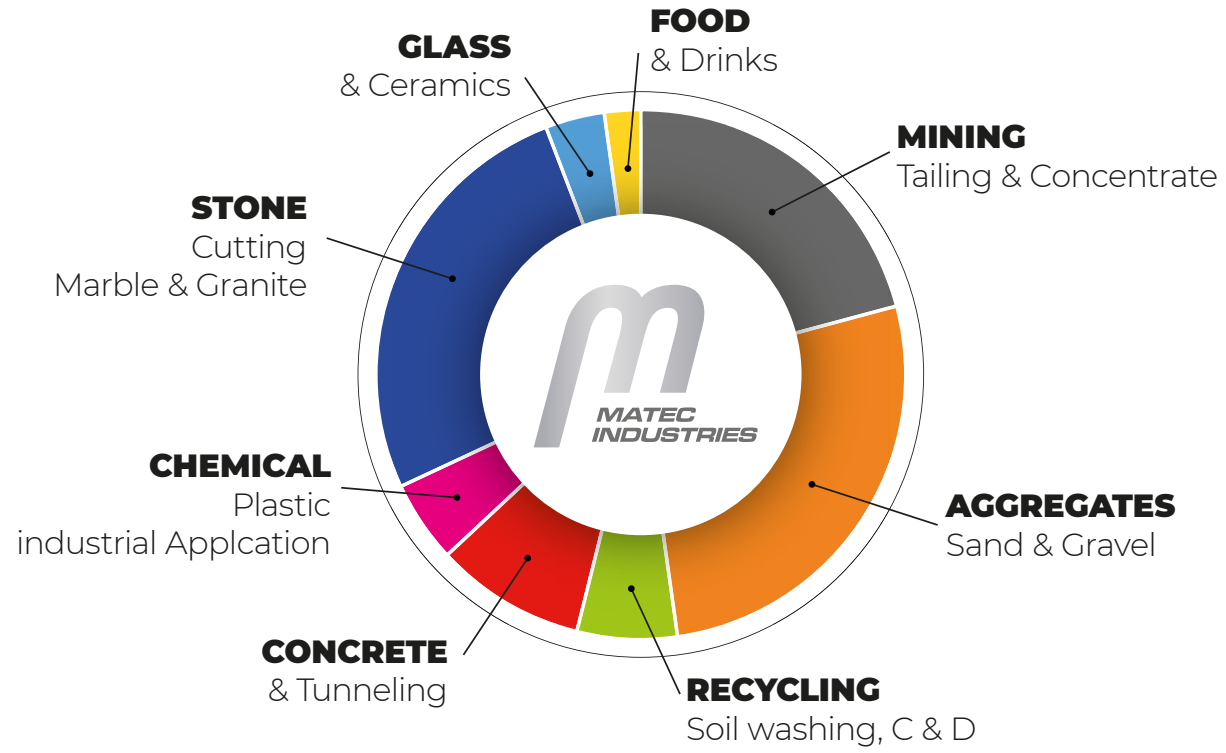






# OUR SECTORS

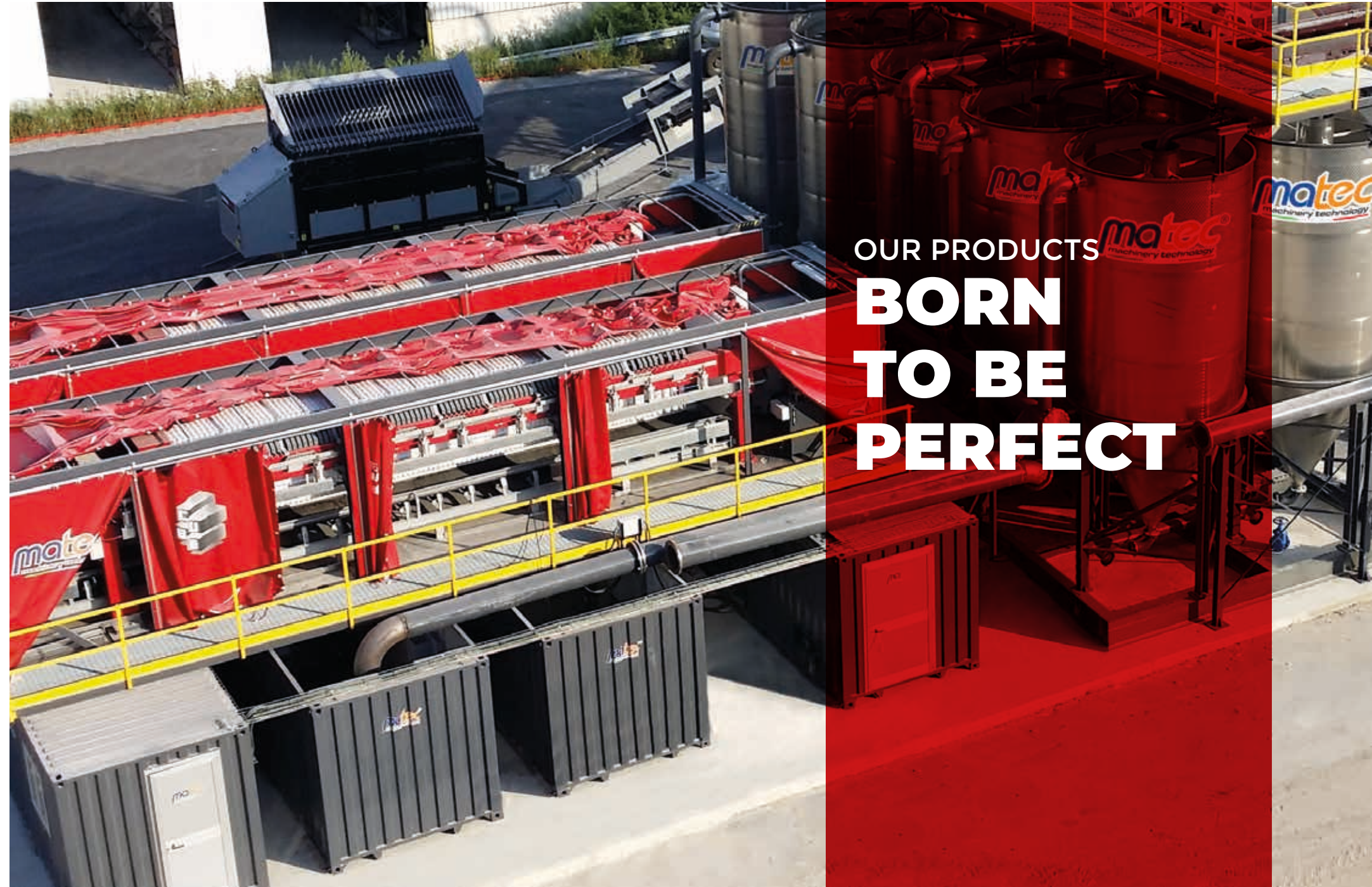
## PLANTS IN EACH SECTOR



Matec specializes in the design and development of waste water purification and filtration plants. We work for many different industries, the most important are: mines, aggregates, gravel, sand, stone, marble, ceramics and glass. Our turnover is 90% in the mining and quarrying sector. Our machines are born in the sector of the aggregates. Our machines are made with the experience on installation and maintenance of more than 3000 plants and equipments.

	<u>MINING</u>	<u>AGGREGATES</u>	<u>RECYCLING</u>	<u>CONCRETE</u>	<u>CHEMICAL</u>	<u>STONE</u>	<u>GLASS</u>	<u>FOOD</u>
PLANTS	654	845	195	285	152	826	113	61
COSTUMERS	450	800	195	285	109	750	97	61
NATIONS	30	80	30	100	15	125	22	20





OUR PRODUCTS  
**BORN  
 TO BE  
 PERFECT**

## BENEFITS

Matec manufacture complete turnkey plants (fixed and mobile ones), which consist of:

- Filter presses, side beam 400, 500, 630, 800, 1000, 1200, 1300, 1500, 1500x2000, 2000, 2500x2600 for about 120 models;
- Thickeners, vertical (from 2 to 600 m3) and horizontal ones (from 8 to 50 meter diameter) for about 60 models;
- Flocculant dosing systems;
- Homogenizing tanks.



**24 HOUR ON SITE ASSISTANCE**



**10 YEARS WARRANTY ON STAINLESS STEEL PRODUCTS**



**BEST BRAND HIGH TECHNOLOGY COMPONENTS**



**TT2 FAST OPENING TIME LESS THAN 4 MINUTES**



**24 MONTH FULL WARRANTY**



**HPT HPT TECHNOLOGY**



**AUTOMATIC SHAKING AND WASHING**







# HIGHLIGHTS



### HPT (High Pressure Technology)

Our machines work at higher pressure than competitors'. Higher pressure means better components to sustain it, but it means better results and shorter cycles especially.

### NEW TT2 FAST

The New TT2 Fast is the fastest opening system on the market. It works in sections and through two dedicated hydraulic pistons which move a steel bar to hook the different sections.

### GASSER SHAKERS

Dedicated hydraulic cylinders which lift up the plates to shake them and discharge some mud still attached to the plates eventually.

### REAL WASHING

100% automatic washing system that washes 20 by 20 plates for a fast process and excellent results. With our system you can wash **Cloths** and **Piping**

The best thing is that the operator can immediately check the result **NO EXTRA PUMP, NO WASTE OF EXTRA WATER.**



## OPTIONAL

### MEMBRANE PLATES

Special plates that can be filled with water to dehydrate the mud even further and obtain cakes with less residual moisture.

### DRIP TRAY

It is a special drainer positioned below the filter press to collect any drops of water from the plates.

### CORE BLOW

The core blow system is a system conceived to clean out the central feeding residual liquid mud which remains in the diffusion conduit through the plates. The blowing occurs when the filtration cycle has ended, but before the cake discharging. One dedicated valve system allows the blown mud to bypass the mud feeding pump and to be discharged in the mud homogenizer tank again.

### CAKE DRYER

The cake dryer system is installed to lower the residual moisture of the cakes by injecting air into the filter press. The air dries the cakes and is discharged through the drainage system.





# MATEC IN THE WORLD

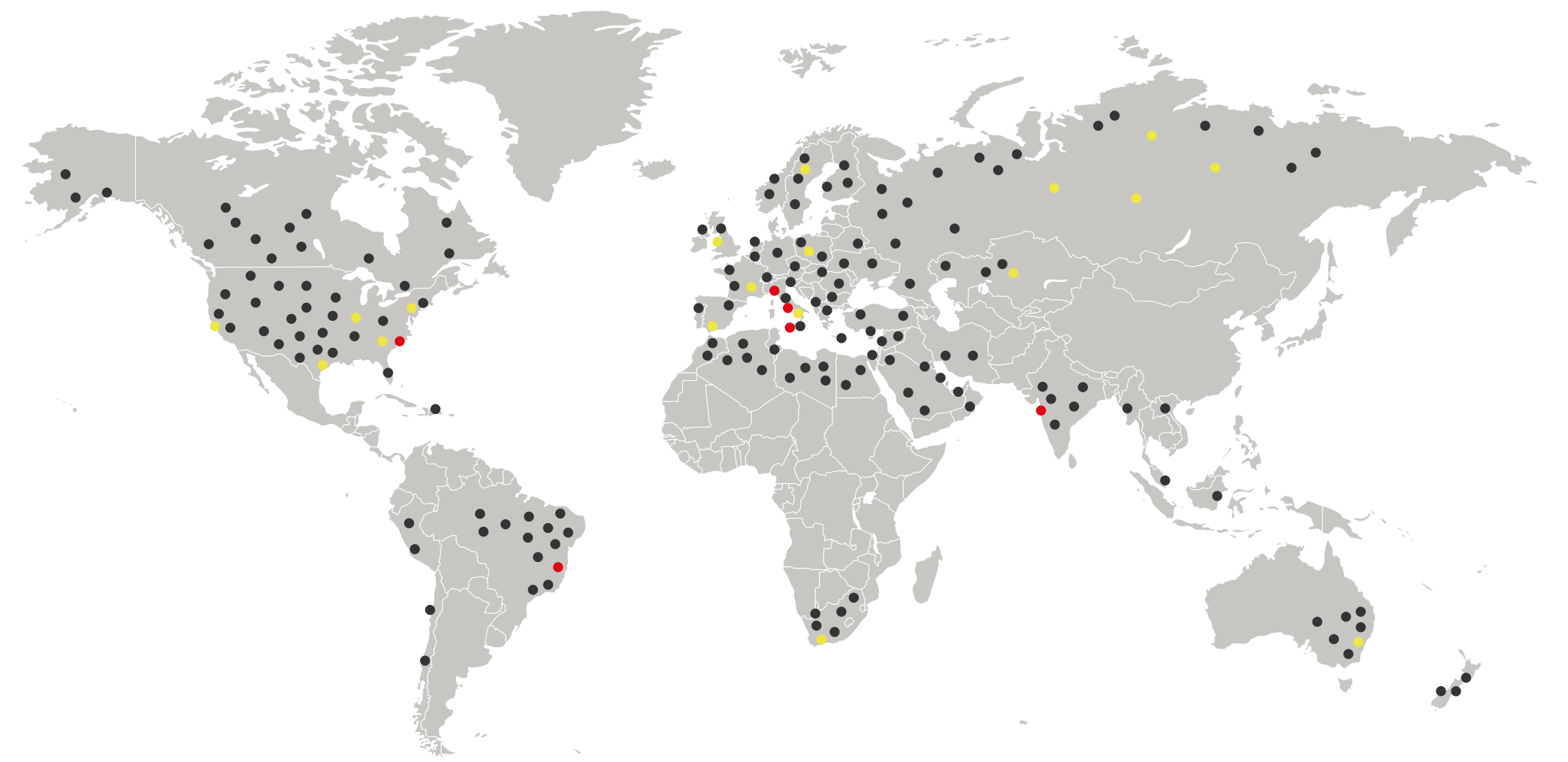
## 3000 INSTALLATIONS WORLDWIDE

**3000**  
PLANTS  
WORLDWIDE

**50**  
SECTORS

**120**  
DEALERS  
WORLDWIDE

**150**  
AGENT  
WORLDWIDE



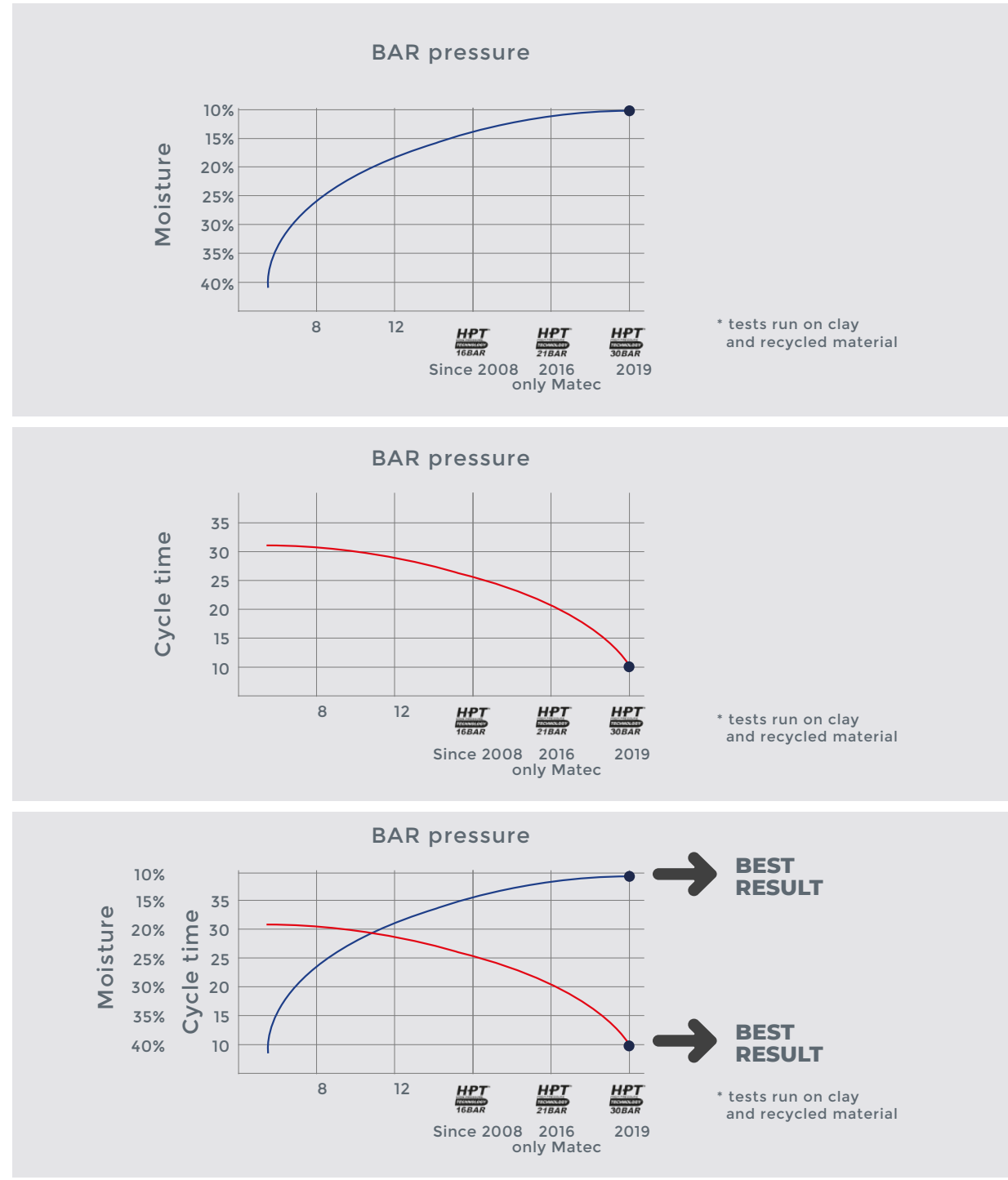
● Plants in the world  
● Dealers  
● Offices in the world

- 🇮🇹 1163 PLANTS ITALY
- 🇺🇸 541 PLANTS USA
- 🇬🇧 241 PLANTS UK
- 🇫🇷 95 PLANTS FRANCE
- 🇵🇱 57 PLANTS POLAND
- 🇹🇷 51 PLANTS TURKEY
- 🇧🇷 249 PLANTS BRAZIL
- 🇿🇦 113 PLANTS SOUTH AFRICA
- 🇲🇪 138 PLANTS MIDDLE EAST
- 🇦🇺 118 PLANTS AUSTRALIA
- 🇳🇿 41 PLANTS NEW ZELAND
- 🇷🇺 86 PLANTS RUSSIA
- 🇨🇱 24 PLANTS CHILE
- 🇸🇪 96 SCANDINAVIA





**HPT**  
**MATEC PRESS WORKS**  
**AT 16-30 BAR PRESSURE**  
**(230-435 psi)**



Matec filter presses have been created for the aggregates sector where HPT is essential for obtaining excellent results with difficult muds. While our competitors come from sectors such as olive oil, marble, and chemicals; **HPT** is more expensive, it needs **MORE QUALITY** and better components:

- **BIGGER PISTON BORE**
- **BIGGER OLEODYNAMIC POWER UNIT**
- **MORE IRON FOR THE FRAME STRUCTURE**



**MORE PRESSURE**



**MORE RESULTS:**  
**LESS WATER IN THE CAKE**  
**SHORTEST CYCLES**



**REFERENCES  
ITALY**



**REFERENCES  
BRAZIL**









**REFERENCES  
ENGLAND**



**REFERENCES  
CANADA**





**REFERENCES  
ENGLAND**



**REFERENCES  
ITALY**





**REFERENCES  
FRANCE**



**REFERENCES  
PORTUGAL**







# OUR CLIENTS







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THE EXCELLENCE **WORLDWIDE**, BY NATURE

