matec®
machinery technology

THE CUBE – THE MOBILE PLANT

WATER TREATMENT & SILT MANAGEMENT

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, cement, ceramic, glass**.

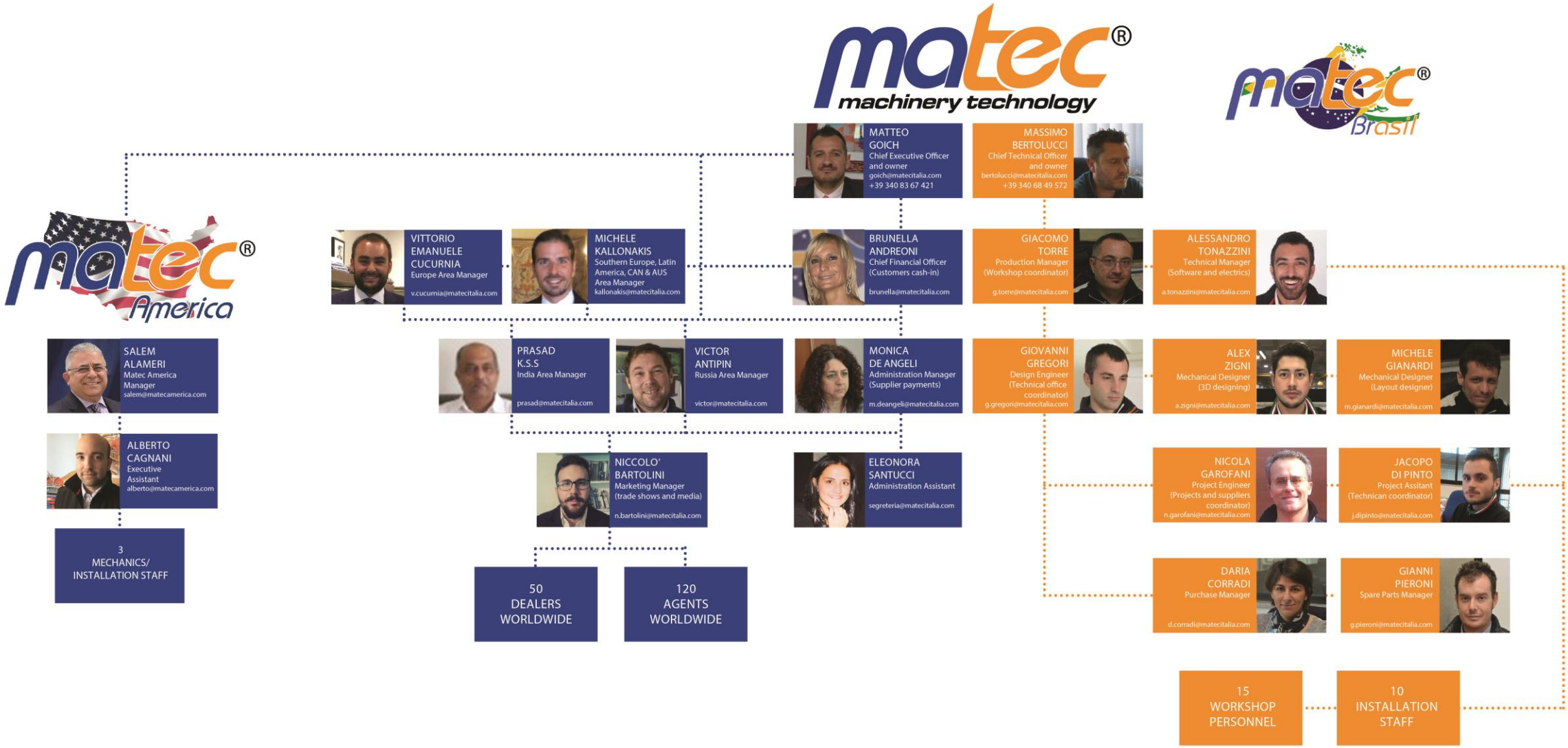
Matec's objective is the complete customer satisfaction, guaranteeing a fast after-sale service, but also pre-sale consultancy service, to accurately identify the real needs of potential customers.

We have installed over 1500 wastewater purification plants all across the world, 250 in the last two years: this is the real guarantee of our production and service quality. .

- ITALY, USA, BRAZIL, INDIA
- 5000 M^2 WORKSHOP
- 400 M^2 OFFICE
- 5000 M^2 EXTERNAL SPACE

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK
CERTIFICATE
IQNet and its partner
CISQ/RINA
hereby certify that the organization
MATEC S.R.L.
VIA S. COLOMBANO, 13 54100 MASSA (MS) ITALIA
in the following operative units
VIA S. COLOMBANO, 13 54100 MASSA (MS) ITALIA
for the following field of activities
CONSTRUCTION, TRADE AND AFTER SALES ASSISTANCE FOR PURIFICATION AND FILTERING PLANTS OF WASTE WATER RESULTING FROM INDUSTRIAL PROCESSES
has implemented and maintains a
Quality Management System
which fulfils the requirements of the following standard
ISO 9001:2000
Registration Number: IT-55050
First Issue : 2007-04-05
Current Issue : 2007-04-05
René Wasmer
President of IQNet
Gianrocco Prati
President of CISQ
IQNet partners*:
*resented in the USA by: AFAQ AFNOR, AIB-Vincotte International, CISQ, DQS, NSAI Inc., QMI and SAI Global

ORGANIZATION CHART



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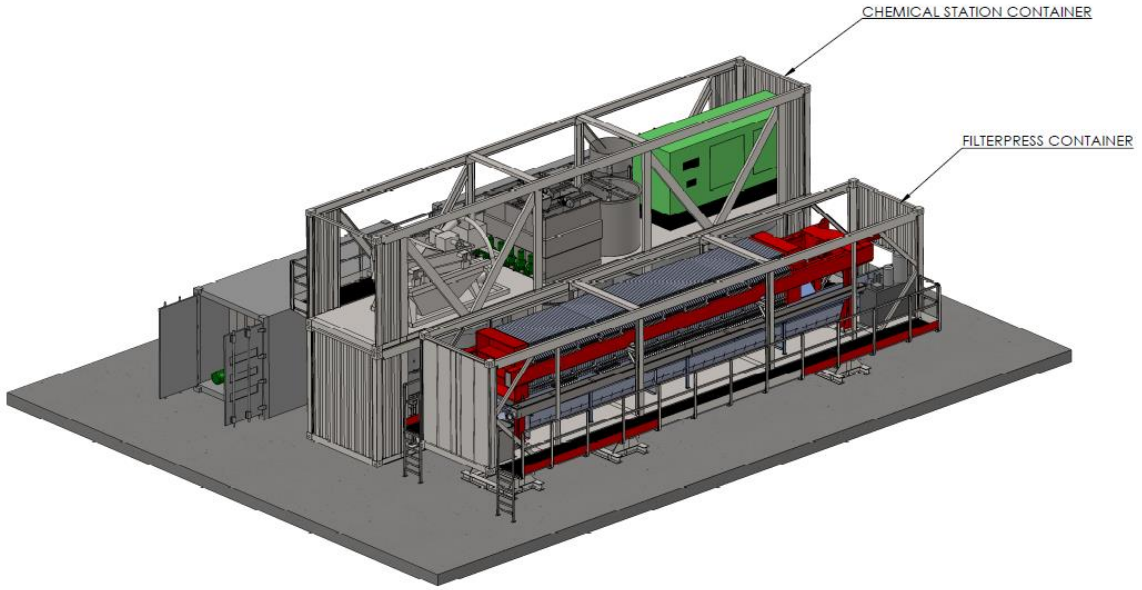
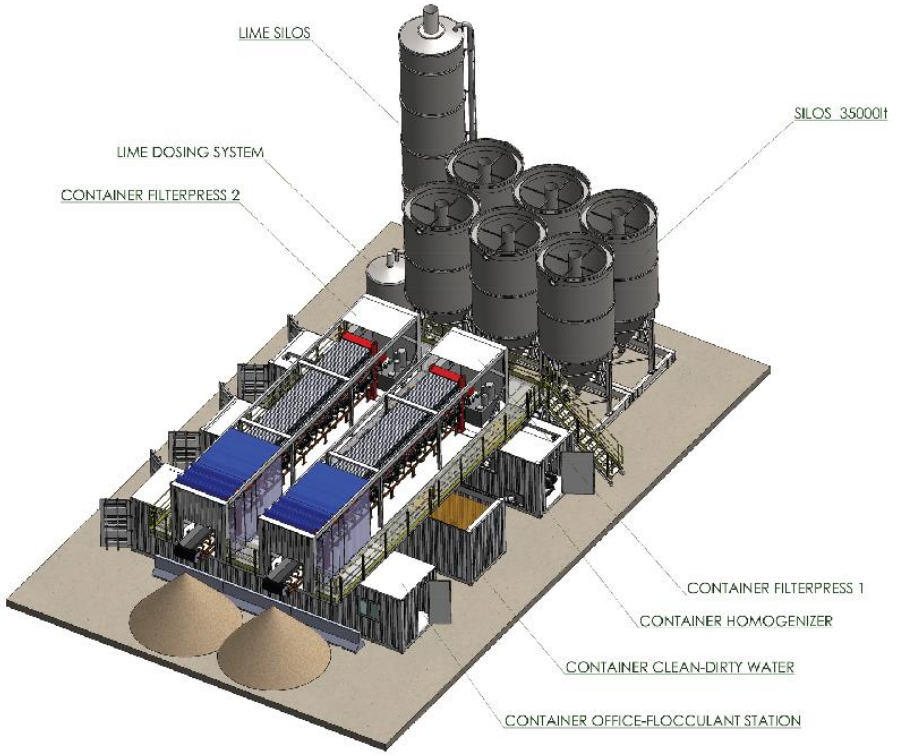
ARCTIC OCEAN
NORTH ATLANTIC OCEAN
SOUTH ATLANTIC OCEAN
INDIAN OCEAN
SOUTH PACIFIC OCEAN

MATEC FOR INNOVATION - THE CUBE

FROM THE NEED TO THE CUBE

Matec has always produced small mobile plants which deliver great results. We perceived the need of our clients for a mobile plant with the same features of our largest filter press filtration systems. That is why we have created the Cube.

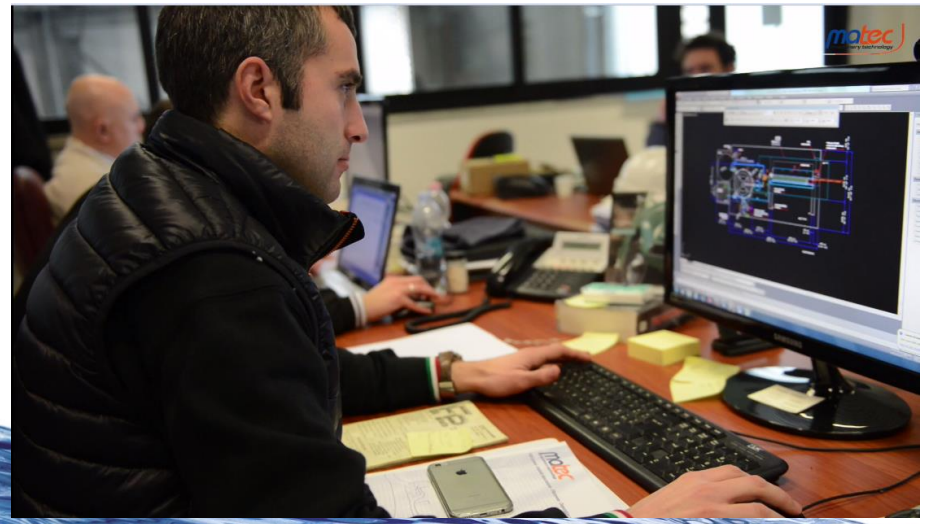


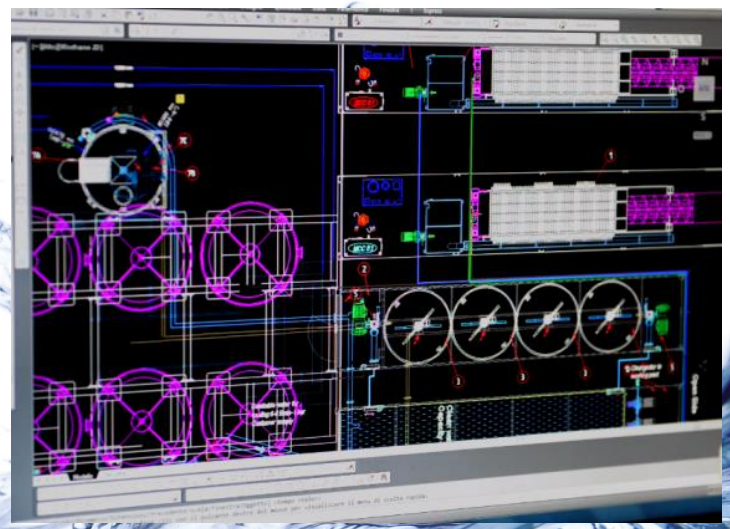


THE CUBE ENGINEERING

Skilled engineers have developed the slightest details. This is how we obtain the same quality of fixed plants, perfection is required for an ambitious project with an ambitious design.

Our high-experienced workers then manufacture all the components according to the drawings and to ship a product which is already assembled.





MATEC FOR INNOVATION – THE CUBE

WHY A MOBILE PLANT

Mobility is an important feature in almost every field of production. Big producers have always felt the need for a filtration plant that can easily change locations.

WITH THE CUBE

NO MORE CIVIL WORKS

CUBE LOADING OPERATIONS

CUBE LOADING OPERATIONS

THE CUBE

Side view of the CUBE plant already installed in Poland.

matec® machinery technology

WHAT YOU SAVE:

-NO ELECTRICAL CABLING
-NO CIVIL WORK
-FASTER INSTALLATION

THE CUBE

Aerial view of the Poland plant

The Benefits

Mobility cannot be stressed enough as the most important feature this plant can offer, but there are also other advantages which make it a cutting-edge product in the field of filtration.

The cube benefits are:

- 100% MOBILE
- PRE-CABLED
- READY TO WORK (plug & work)

THE CUBE

The Cube consists of a number of containers, from 3 to 10. The core of the plant is the filter press, as always, for which we dedicate one or more containers (according to the number of machine). The standard components of the Cube by Matec are the following ones:

MATEC HTP FILTER PRESS

DECANTER

BIFLOC

BIFANG

DIRTY WATER CONTAINER

CLEAN WATER CONTAINER

THE CUBE - FILTERPRESS

MATEC HTP FILTER PRESS

The compact and proven solution for highest throughput and driest cake results with an integrated removal system.

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THE CUBE

DECANTER Made of stainless steel and perfectly sized even for the mobile application (both in modular and containerized version), it guarantees great results in terms of water clarification

BIFLOC The MATEC flocculant preparation system that is fully integrated in one container.

BIFANG container may house multiple homogenizer tanks to keep the sludge at the perfect thickness for the filter press.

DIRTY WATER CONTAINER receives the waste water and slurry to be treated.

CLEAN WATER CONTAINER for the clarified water, also the clean water source for the flocculant preparation.

Vertical Silo Decanters

Bifloc container (DOSON System detail)

Dirty Water container

Clean Water container

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THE CUBE – HIGHLY CUSTOMIZABLE

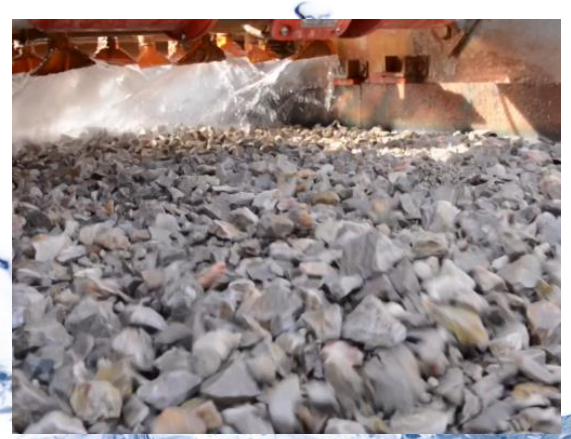
The Cube is highly customizable. The containers can contain a wider range of components to match or integrate your pre-exisiting plant and be perfectly sized for your working site.

THE CUBE – HIGHLY CUSTOMIZABLE

The Cube can be customized completely to fulfil the requirements of the customers and to adapt to any sector.

In particulare, the Cube is perfect for the following fields of application:

- **SOIL WASHING**
- **DREDGING**
- **AGGREGATES WASHING**
- **CLEAN SAND PRODUCTION**



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MATEC HIGHLIGHTS

24 HOUR ON SITE ASSISTANCE

STAINLESS STEEL AISI 304, GUARANTEED FOR 10 YEARS

10 YEARS EXPERIENCE IN FILTER PRESS COMPARTMENT

BEST BRAND HIGH TECHNOLOGY COMPONENT

MAX DEHYDRATATION OF MUD

24 MONTHS WARRANTY

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