



**MINIMUM LIFE-CYCLE
COST OF WATER
TREATMENT**



WATER TREATMENT EXPERTS SINCE 1973



The water treatment division of M.I.T.A. S.r.l. was established .

1973



MITA Biorulli was established as an independent company.

2001



Simeco was taken over.

2008

2014

MITA Biorulli produced the first Polstoff cloth filter in the world with 28 discs.

2016

We celebrated twenty years of experience in the production of cloth filters.

2018



MITA Biorulli became MITA Water Technologies.

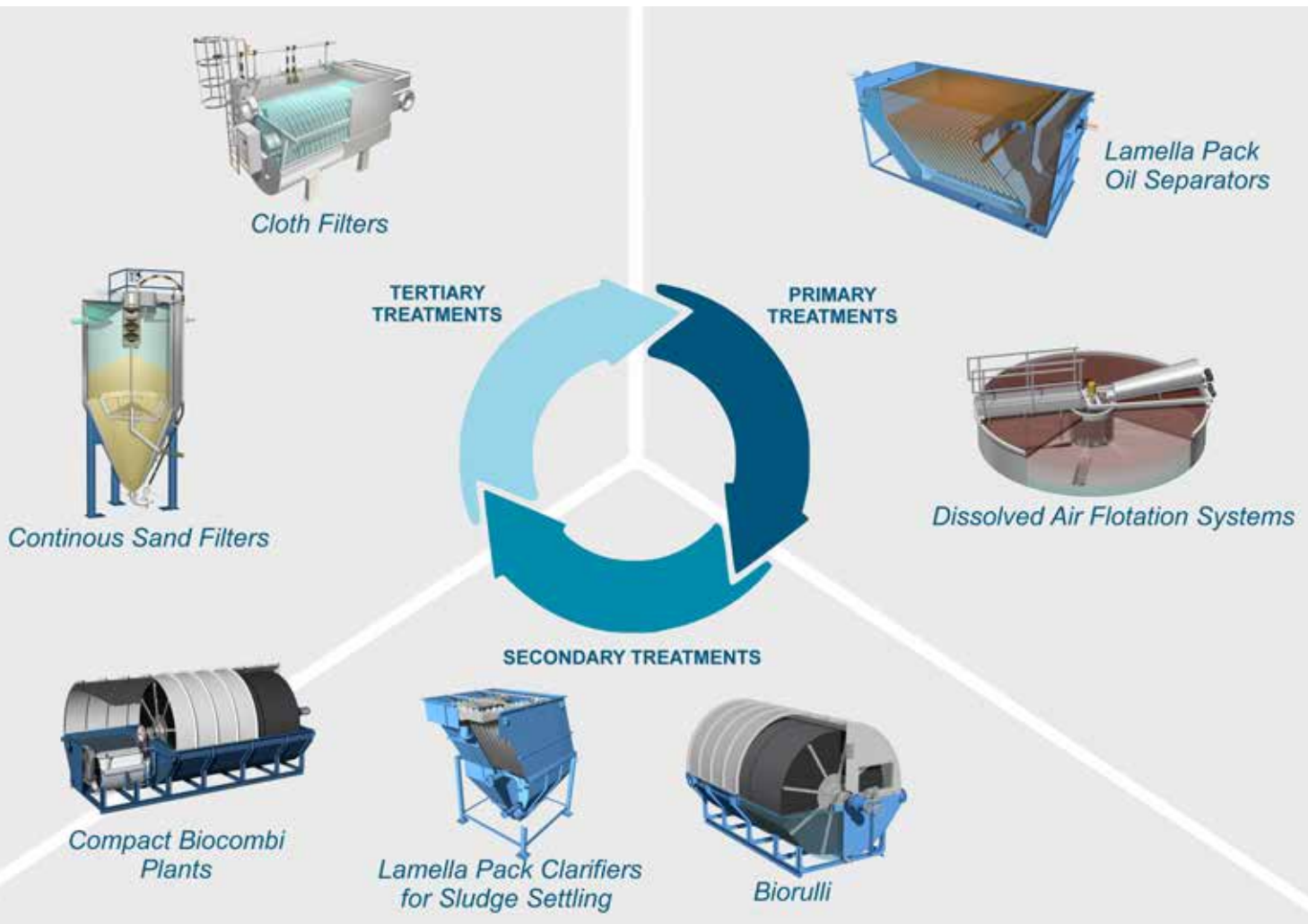
2019

MITA Water Technologies took part in the installation of the largest WWTP in the world with Polstoff cloth disc filters.

2020

The Life-Cycle Services were launched: integrated services that cover the product's entire lifecycle.

THE MITA WATER TREATMENT SOLUTIONS



- Free-fiber cloth filters for tertiary treatment
- Biorulli® for biological wastewater treatment
- Biocombi compact plants for small communities
- Lamella pack systems for clarification and oil removal
- Continuous sand filters for tertiary treatment
- Dissolved air floatation systems for civil wastewater and process water

Designed and manufactured by MITA Water Technologies

A SOLUTION FOR EVERY CUSTOMER



USERS

- Reduced energy consumption
- Minimum maintenance costs
- Simple to operate
- Compact
- Operation and maintenance contracts



ENGINEERING FIRMS

- Rapid upgrade of existing plants
- Solutions adaptable to each individual design
- Completeness of technical information
- On-field support



CONSULTANTS

- Possibility of tests with a pilot unit
- Field test support
- Minimum time between first contact and implementation of the solution



CONTRACTORS

- Cost effective solution
- Constant support in all phases, from the offer to the final test
- Rapid action to solve any problem

A SOLUTION FOR EVERY TYPE OF WATER



Large plants
Cuma (NA), Italy



Industry
Ennis, Clare (Ireland)



Small communities
Villa Minozzo (RE), Italy

MINIMUM LIFE-CYCLE COST



Crewe, Cheshire (England)

Cloth filters vs other filtration solutions



< **power consumption:** motors running only during backwash



< **volumes** with the same tank, > **filtering surface area**



< **accessory works required and complex aspects to be managed**



< **maintenance costs:** cloth media life expectancy up to 10 years



< **minimum water consumption:** backwash through filtered water



< **no chemical cleanings required**

INNOVATION IN TRADITION: NEARLY 50 YEARS OF WATER TREATMENT

The solution for the treatment of the water of small communities



< **power consumption:** small size and efficient motors



< **space occupied:** compact solution



< **building and accessory works** required and complex aspects to be



Low running costs



Minimum water consumption: backwash with filtered water



No chemical cleanings required



Magliano, Tuscany (Italy)



San Benedetto dei Marsi (AQ), Italy

The **simplest and most reliable** biological treatment system

- Minimum energy consumption
- Almost negligible maintenance and operation
- Maximum operational flexibility



Steel tank package unit
Oram, Monaghan (Ireland)



Concrete tank installation
San Rigo (RE), Italy

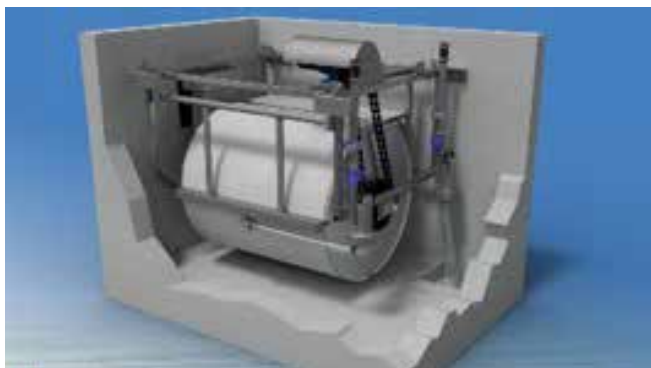
FREE-FIBER CLOTH FILTERS FOR TERTIARY FILTRATION

TERTIARY
TREATMENTS



Possibility of reaching **less than 5 mg/l** of suspended solids at outlet

- High suspended solid removal
- Extremely high efficiency deep filtration due to free-fiber
- 100% filtering surface: totally immersed solution
- Minimum energy consumption: intermittent low pressure backwash



TF – TF VM drum series

TF2 drum filter rendering



PECV VM disc series (vertical axis)

San Stino di Livenza (VE), Italy



PEC – PEC VM disc series

Santa Maria delle Mole (RM), Italy



PPC – PPC VM disc series

Robecco sul Naviglio (MI), Italy

BIOCOMBI COMPACT PLANTS FOR SMALL COMMUNITIES

TERTIARY TREATMENTS

SECONDARY TREATMENTS



Talada (RE), Italy

A biological wastewater treatment system in a single machine

- The advantages of cloth filters and Biorulli in a single compact system
- Minimum civil and accessory works
- Low energy consumption and reduced maintenance



BC2 monobloc
Pellafol, Isère (France)



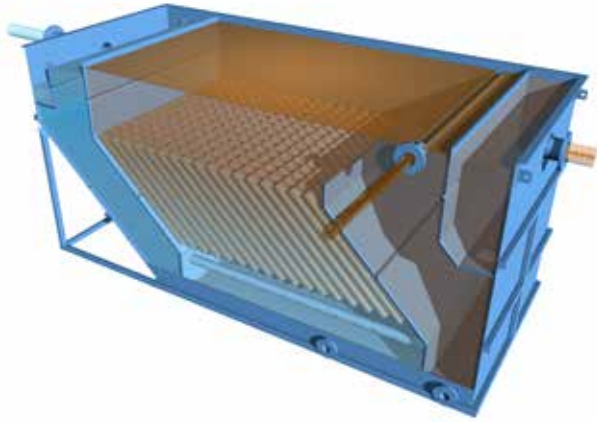
BC4 monobloc
Cella Dati (CR), Italy

FROM PRE-TREATMENTS TO FINAL FILTRATION

TERTIARY
TREATMENTS

PRIMARY
TREATMENTS

SECONDARY
TREATMENTS

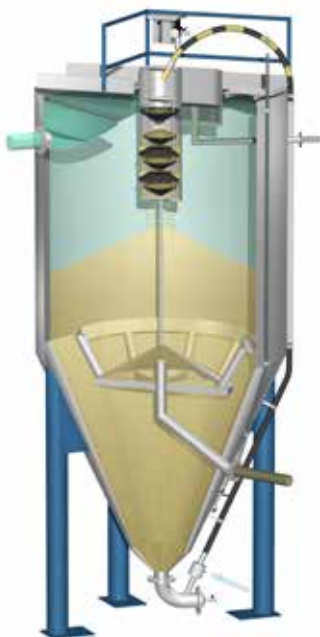
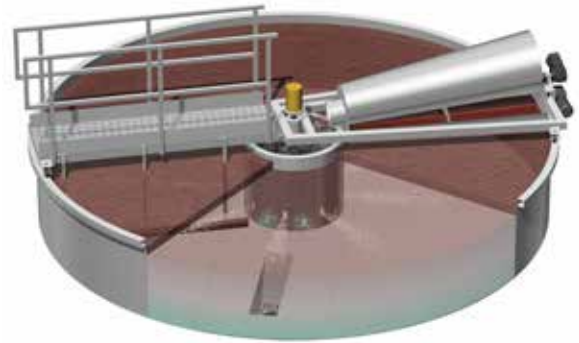


Lamella pack systems

- Pre-treatments and secondary treatments
- Oil removal and clarification of residential and industrial water

Dissolved air floatation systems

- Pre-treatments and secondary treatments
- Residential, industrial and process water
- Removal of oils, fats and suspended solids



Continuous sand filters

- Tertiary treatments
- High efficiency in the removal of suspended solids, including colloids

FROM PRE-TREATMENTS: RELIABILITY AND QUALITY IN TIME

The awareness that **quality and reliability must be guaranteed for the product's entire life** has led us to offer a series of additional support services with a view to optimizing and reducing the economic impact for our customers: the **MITA Lifecycle Services**.



Pilot bench and field tests

- An optimized design tested for each individual need
- A broad range of testable and custom parameters
- Maximum performance under all operating conditions



Start-up, final test and operator training

- Correct operation from the first day
- Optimization of the installation
- Performance test and solution of any problems arising prior to the final test
- Training of staff in operation and the solution of critical problems



Technical support and servicing

- Minimization of long-term risks and rapid intervention
- Delegated equipment management and preventive maintenance
- Performance maintenance
- Optimization of running costs
- Warranty extension possibility



Maintenance, repairs and spare parts

- Scheduled maintenance
- On-call repairs
- Maximization of reliability
- Quality and availability of spare parts



Emergency services

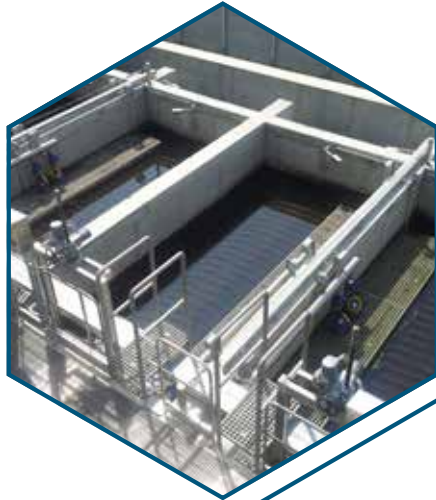
- No or minimum process interruptions
- Machinery quickly available
- Contracts with a flexible duration



Revamping and upgrade

- Support and consultancy to prolong the life of the MITA machines

our
production
figures



3.300.000+
m² of biorulli®
installed, equivalent
to over 1.570 units

2.000+
lamella pack systems
for clarification and
oil removal systems

800+
cloth filters installed



60+
biocombi compact
systems

45+
years of experience
in wastewater
treatment





MITA

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