

Tecnoimpianti

#Providing**Solution**

**WATER** AND **AIR** TREATMENT

## **PROVIDING SOLUTION**

### **This is our philosophy.**

**We design and build plants for air and water treatment and for the recovery of resources from different production processes.**

**TECNOIMPIANTI** was founded in 1985 in the province of Milan, and is now present with its solutions at major customers both nationally and internationally.

We develop innovative processes and build state-of-the-art plants with turnkey solutions, supporting the customer throughout the entire project.



#Providing**Solution**



## Multi-sector solutions.

We operate in a wide range of industries, developing tailor-made projects for each specific requirement to ensure the optimal solution for every water, air and odour treatment problem.



**FOOD**



**BIOGAS**



**CHEMICAL**



**COMPOSTING**



**PHARMACEUTICAL**



**MECHANICAL**



**TEXTILE**



**WASTE  
TREATMENT**



**ZOOTECHNICAL**



# DESIGN



# ASSEMBLING



# FACTORY



## WHY US?

**EXPERTISE AND SKILL.** We have been at your side in the realisation of your projects for more than 37 years with passion and professionalism.

**RELIABILITY.** TECNOIMPIANTI is a solid, experienced and innovation-oriented company that puts the customer and his needs at the centre of the project.

**IN-HOUSE PRODUCTION.** Our production department is an integral part of our philosophy, as it allows us to control every stage of production, thus guaranteeing the highest quality of our constructions.

**TAILOR-MADE.** Your needs and requirements are studied in depth, in order to offer you a tailor-made solution that is really able to solve your specific problems.

**CONSULTING APPROACH.** Each project therefore has its own unique approach and solution. With our pilot plants, we rely on field experimentation and the search for new solutions to address market, compliance and sustainability challenges together.

**SERVICE AND MAINTENANCE.** Our Service Team will follow and support you at every stage of the project, thanks to the professionalism of our experts and the traceability of every component and processing step.

# 1 ANALYSIS OF THE PROBLEM

Any solution to solve a problem cannot be separated from an accurate knowledge of its nature. Nothing is left to chance.

- ✓ Emission characteristics
- ✓ Encumbrances available
- ✓ Acoustic Zoonisation
- ✓ Wastewater quality
- ✓ ... and any other details!

# 3 TAILOR-MADE PROJECTS

Defining the most suitable technology means maximising opportunities and minimising impact **without compromise, with a specific and customised approach that always assesses the problem as if it were new.** For **TECNOIMPIANTI**, every project is unique.

# 5 SERVICE AND EXECUTION

The technical and economic proposal precedes the planning of the intervention. **Installation and testing are carried out by our experienced technicians (skilled in working in confined spaces).** Regular preventive maintenance will ensure the constant efficiency of the plant, preventing breakdowns and interruptions to the abatement phase.



# 2 REGULATORY ENVIRONMENT CHECK

**The environment** is the world in which **TECNOIMPIANTI** operates, and with its laws it has to deal. Our Technical Department's knowledge of the **regulatory aspects** - which are constantly evolving - are the best guarantee for our customers to receive technological solutions that are always up-to-date and performing (BAT), also with regard to odour ([standard UNI EN 13725: 2022](#)).

# 4 TESTING SESSIONS WITH PILOT PLANTS

The solution is not always known. Sometimes it is necessary to use a **pilot plant** to verify the effectiveness of the designed solution, taking into account all variables ([size, consumption, waste produced, maintenance management](#)). The analytical aspect is an integral part of the test, which will allow the customer to obtain an exhaustive picture of the project, optimising in the field what the final plant will be.

# AIR • ODOUR TREATMENT

## TARGETS

- Odour reduction
- Ammonia stripping
- H<sub>2</sub>S flushing and reduction
- Dust control
- Vent treatment (tanks and centrifuges)

## SOLUTIONS

- Multistage Scrubbers and Biofilters
- Multi-effect dry filters
- Soda and Fe Desulphurisers
- Deodorisation plants
- Adjuvant products for emission reduction



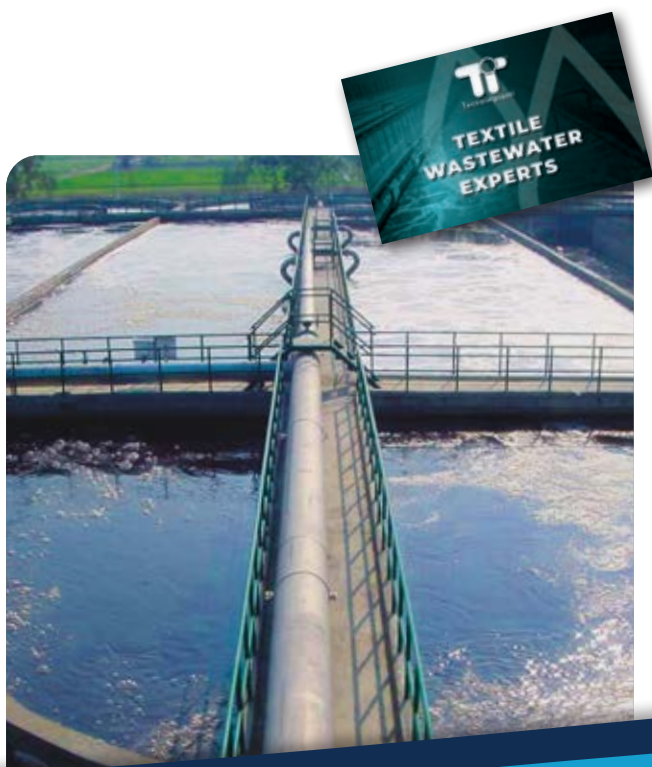
# WATER TREATMENT

## TARGETS

- Waste water recovery and zero discharge (ZLD)
- Biological and chemical-physical treatment
- Multimedia filtration
- Removal of specific contaminants (boron, selenium, etc.)
- Colour and salt removal

## SOLUTIONS

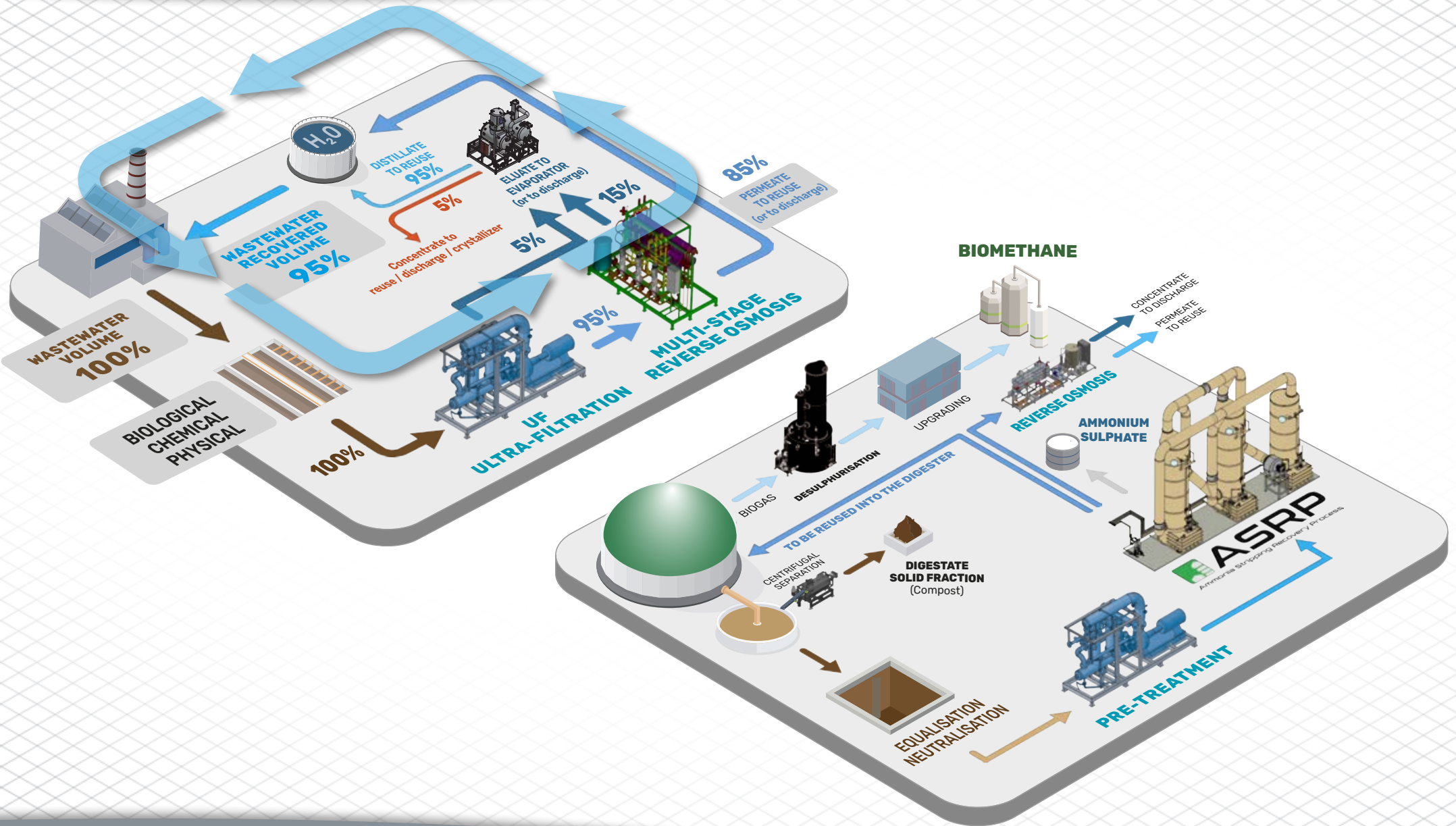
- Ultrafiltration
- Reverse osmosis
- Membrane systems
- MBR and MBBR
- Selective resin systems



FOOD

[www.ministab.com](http://www.ministab.com)







# ZERO

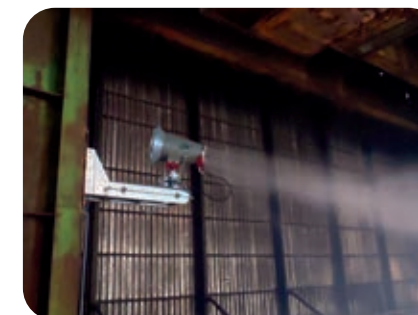
## TOTAL ENVIRONMENTAL CONTROL

**Line ZERO** is a complete line of products and solutions for neutralising odours.

The fields of application are virtually unlimited, as the odour problem can arise in any industrial process.

Their unique characteristic of zero impact on the environment means that **Line ZERO** products can be used freely both outdoors and indoors in the presence of personnel.

In fact, **Line ZERO** products are non-toxic, contain no GMOs and are not subject to specific restrictive transport regulations.



*The technology of abatement of fugitive emissions through atomisation is also referred to as BAT.*



# RESEARCH & DEVELOPMENT

## RESEARCH & DEVELOPMENT • PILOT PLANTS

**PROVIDING SOLUTIONS IS OUR PHILOSOPHY AND WE DO THIS BY TESTING OUR PILOT PLANTS.**



R&D



LAB

At **TECNOIMPIANTI**, we give primary importance to the study of innovative solutions, adapting them to our customers' needs.

This approach is possible thanks to the Research & Development applied to the process, technology and materials used to build the plants.

We have several pilot plants of various types, which allow us to study the problem and optimise the solution, starting initially with feasibility tests and then with the semi-industrial plant.

In addition, collaboration and contracts with universities make us an ideal partner for tax-deductible funded research projects.





# AFTER-SALE SERVICE

## ASSISTANCE & “PREVENTIVE” MAINTENANCE



SERVICE

**MAINTENANCE, AND MORE GENERALLY SERVICE, IS CRUCIAL FOR THE PROPER FUNCTIONING OF THE PROCESS IN THE LONG RUN.**

We reduce consumption, avoid waste and optimise performance.

Our qualified Service Team guarantees planning and continuity of service for both **TECNOIMPIANTI** supplies and existing systems.

Of particular importance is our mobile resin plant maintenance unit, which enables timely flushing and restoration of ion exchange resins to prevent plant downtimes and associated production losses.

The scrubber and periodic maintenance operators are also authorised to operate safely in confined spaces.



WhatsApp® Service Direct Line





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Tecnoimpianti

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