



**RICCOBONI**   
Holding

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GROUP

protecting the  
environment  
is in our nature

## Riccoboni Holding

Riccoboni Holding is a leader in the sector of integrated environmental management, in the treatment and disposal of special waste, and in contaminant remediation.

It operates Italy-wide through **specialised companies** whose expertise has enabled it to serve private and public organisations with a comprehensive range of practical, sustainable

and circular economy-inspired solutions. The corporate headquarters are located in Parma.

The group **owns two industrial waste treatment hubs**, one in Predosa (Alessandria) and the other in Ostuni (Brindisi), both fit out with in-house chemical testing laboratories, as well as a **facility for final disposal** of non-hazardous special waste in Sezzadio (Alessandria).

# Mission

- To place our ingenuity and our passion for what we do at the service of environmental concerns.
- To apply our experience and expertise to being a reliable partner for the private and public sectors.
- To seek out the best available technologies for a practical and sustainable green economy.
- To supplement established know-how with process innovation.
- To support the growth of our human capital through ongoing education and training.



**for a practical  
and sustainable  
green economy**



**Riccoboni Group companies work together in synergy to achieve goals by innovating and implementing their specific know-how.**



Full-Service Environmental Solutions

Environmental Remediation and Decommissioning of Industrial Facilities

Mobile Waste Treatment Systems

Construction and Management of Treatment and Final Disposal Facilities

Final Waste Disposal Network

Industrial Waste Brokerage



Multi-Purpose Hubs for Industrial Waste Treatment

Recovery of Oils, Metals and Inorganic Materials

Chemical Analysis of Waste

Final Waste Disposal Network

Industrial Waste Brokerage



Chemical Analysis of Waste

Process Control

Research and Development



Multi-Purpose Hubs for Industrial Waste Treatment

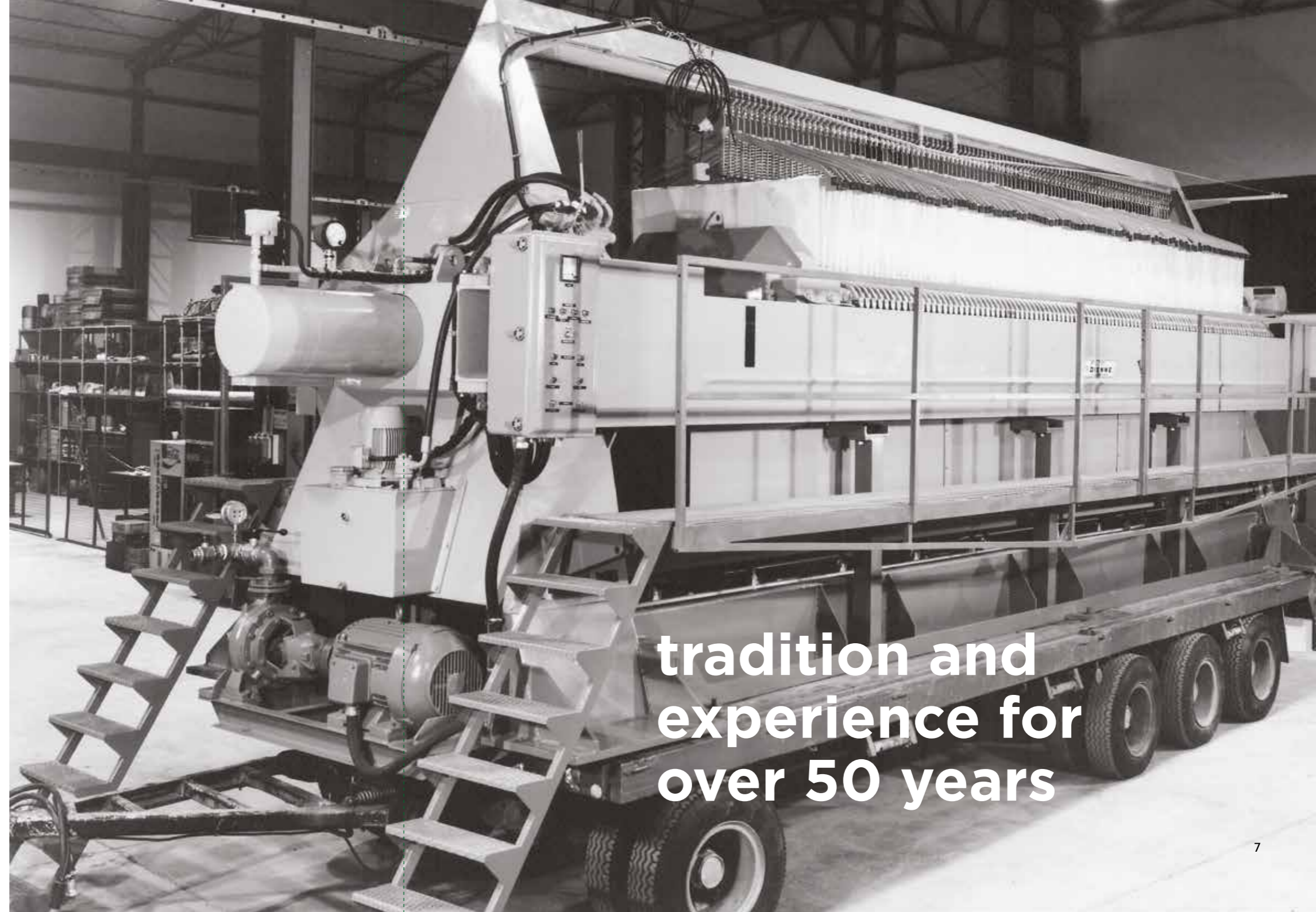
Chemical Analysis of Waste

Final Waste Disposal Network

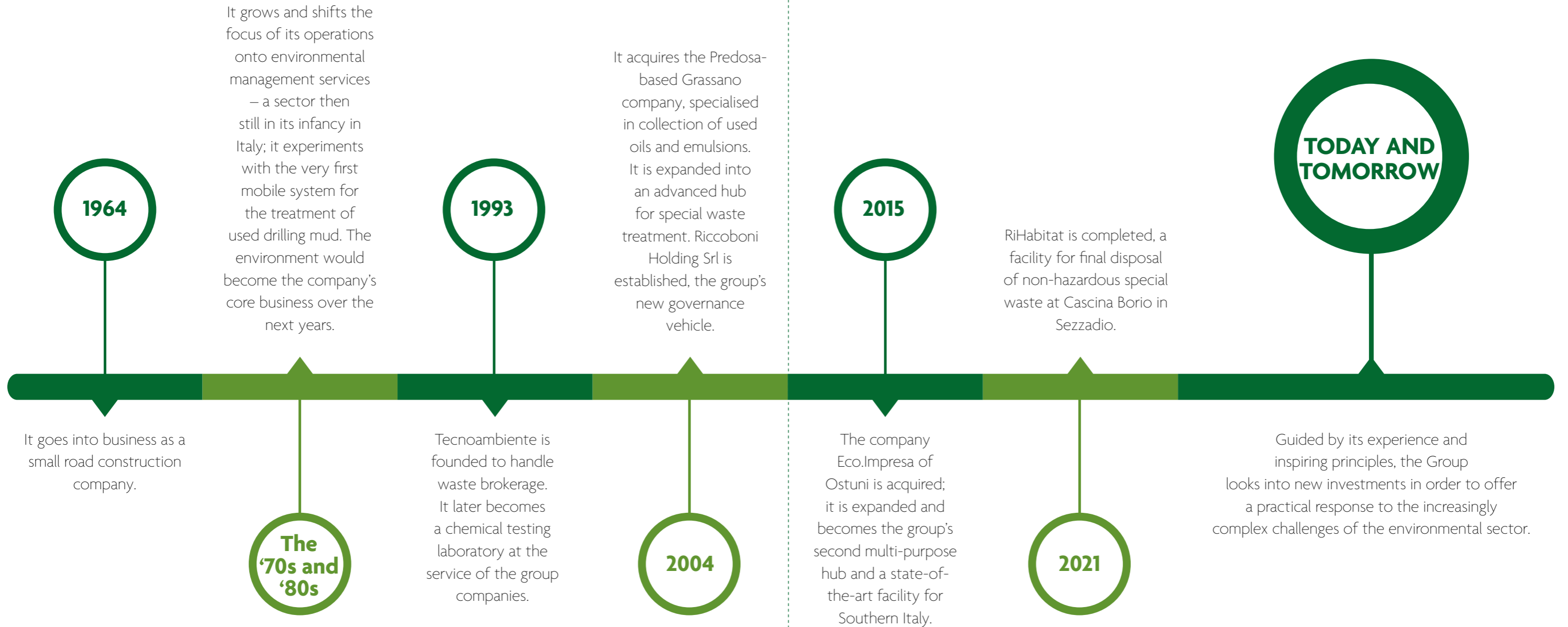
Industrial Waste Brokerage

# A Family Story

The company came about from a chance encounter between an Agip company technician and Ernesto Riccoboni, founder of the group. It was the summer of 1961 and to dig a well up in the hills close to the Parma-province town of Valmozzola, a road needed widening. The man was basically looking for someone with trucks and bulldozers. "You're in luck, you know! He's standing right in front of you", replied Ernesto.



**tradition and  
experience for  
over 50 years**





# Values

Riccoboni Holding grounds its business in principles of **professionalism** and **practicality**, so that the services offered are always and uncompromisingly performed to the highest standards in the industry and have the greatest positive impact on the environment. The key values that have guided the group's development since its founding form the inspiration for its governance.

## HUMAN CAPITAL

A business' well-being and prosperity are determined by its people and by the projects they are able to bring to fruition. The first value to safeguard is reflected in **the women and men** who through their sharing, teamwork, constructive communication, respect and motivation, have made the Riccoboni Group what it is today. Innovation begins with people. They are the best possible investment.

## SAFETY

The culture of workplace safety that is embedded across our organisation is guided by the principle that **taking care of oneself and others** comes before all else. The company supports its employees at all levels, actively promoting **safety-oriented culture and behaviours**, so that every individual becomes a leader when it comes to safety. Since 2014, the Leadership in Health and Safety project, promoted in collaboration with the LHS Foundation, has become a strategic permanent training and internal communications programme. Its aim is to nurture a culture of health and safety in every part of the company. The values and the substance of the safety culture adopted by the group are officially laid out in the Riccoboni Safety Vision document.

## INNOVATION

The market is demanding and competitive so **offering always-efficient and cutting-edge solutions** is a must in order to stay on top as a leader, fostering the ongoing process of research and innovation thanks to in-house laboratories and to **collaborations with well-respected outside partners**. The tradition and expertise that have been in the family for decades keep on driving this process.

## SUSTAINABILITY

Sustainability has become one of the most important values for modern humans and business alike. Riccoboni has always believed in it, even more so since it began placing **environmental concerns at the heart of its work**. Sustainability, as an ethical principle to be pursued, underpins the motivations that drive it to constantly improve its capabilities, in order to bring new objectives within reach.



# New Generation

This is a model of doing business traditionally driven by sustainability, which is about not only pursuing circular economic systems, but also applying the principles of corporate social responsibility.

**Applied research** represents the pathway to more and more efficient treatment processes and their improved ecological footprint, generating sustainable innovation. The group develops specific programmes on its own as well as with outside organisations, and invests a significant amount of resources in research, tech innovation, and ongoing education and training of its human capital.

**Support to local communities**, a **shared new value**, takes place in the form of own projects or endorsement of local initiatives aimed at environmental education, supporting the healthcare system, promoting sports and a healthy lifestyle among youth, reforestation, and transitioning to a circular economy.

Through Grassano SpA, Riccoboni is one of the founding partners of the Fondazione per lo Sviluppo Sostenibile (Sustainable Development Foundation), which has for years been a fixed point of reference in Italy for the development of the entire green economy system.



# COMPANIES

specialised  
companies for a  
comprehensive  
range of  
environmental  
solutions





Enrolled in the Italian National Register of Environmental Management Companies;

Certificate of Qualification for the Execution of Public Works (Italian SOA Certification) and Certificate of Authorisation for Transportation on behalf of Third Parties;

Authorised for the use of six mobile system product lines;

Organisational model certified to quality (UNI EN ISO 9001), environmental (UNI EN ISO 14001), safety (UNI ISO 45001) and energy (UNI CEI EN ISO 50001:2018) standards.

# Innovative environmental management solutions

An environmental industry specialist with 50+ years of experience, serving customers with project development expertise, state-of-the-art equipment and facilities, and highly-specialised personnel. It develops **customised full-service environmental solutions** and directly oversees polluted site remediation jobs, industrial waste treatment using **mobile systems**, construction and management

of treatment and disposal facilities, and transportation and disposal of hazardous and non-hazardous industrial waste. Thanks to its established ability to ensure that special waste is managed with the utmost degree of safety, several of the foremost companies operating in Italy in the chemical, petrochemical and pharmaceutical sectors have long relied on its expertise.



## SERVICES

### FULL-SERVICE ENVIRONMENTAL SOLUTIONS

A service that integrates the group's skills for comprehensive management of the customer's environmental needs. The company has been offering this service since the early 2000s and has gained strong experience in the **management of warehouses, refineries and production sites involved in environmentally-sensitive industries**. Its full-service model includes:

- the direct handling of responsibilities towards local authorities, with consequent indemnity for the customer;
- the direct handling of relations with regulators and certifying agencies;
- the drawing up and management of implementation plans and the improvement of service quality;
- the management of plans to reduce the volume and hazardousness of waste;
- the operational and administrative management of environmental services at the facility and/or of specialised personnel on site;
- internal waste collection and management;
- management of mobile and stationary waste treatment systems inside the facility;
- transport and disposal at interim facilities and final disposal sites.

### ENVIRONMENTAL REMEDIATION AND DECOMMISSIONING OF INDUSTRIAL FACILITIES

Riccoboni Spa has accumulated extensive experience in **remediation, safe-making, redevelopment** and **restoration of polluted areas and sites**, and it has even completed a number of jobs in SIN sites or "Sites of National Concern". To provide these services, it also makes use of solutions especially designed for the specific operating environment and developed in-house through its own research projects. It can manage, with equal operational capacity:

- off-site remediation (ex-situ);
- on-site remediation (both in-situ and ex-situ);
- decommissioning and remediation of disused industrial plants and buildings.  
For remediation processes, it has available the following proprietary technologies for the treatment stages:
  - groundwater purification systems;
  - filtering stations for removing suspended solids, for metal oxidation, for air stripping and for filtration before polishing;
  - soil washing systems for separating the colloidal fraction from contaminated soil;
  - screening systems;
  - soil vapour extraction systems;
  - soil venting and air sparging systems for removing contaminants from soils and groundwater.

### MOBILE WASTE TREATMENT SYSTEMS

Treatment services using **authorised mobile systems** combine the use of well-established technologies with the management expertise of Riccoboni personnel. The company offers on-site **treatment, recovery** and **disposal** solutions fit for the purpose, thanks to rapid installation (on container or skid), the stringent standards applied to processes, and the affordable performance of its mobile lines. These include:

- industrial wastewater purification systems;
- refinery waste treatment systems;
- closed-loop systems for the treatment and recovery of used drilling mud;
- industrial waste inertisation systems;
- systems for industrial sludge dewatering.





### CONSTRUCTION AND MANAGEMENT OF TREATMENT AND FINAL DISPOSAL PLANTS

Riccoboni Spa constructs final waste disposal facilities, makes sites and materials permanently safe, restores or expands existing facilities, and contract-manages stationary systems and sanitary landfills. The design, project engineering and construction stages, which the company carries out with its own personnel and equipment, are supported by a network of regular collaborations with some of the most important Italian specialists in this field.

### INDUSTRIAL WASTE BROKERAGE

The industrial waste brokerage service operated by Riccoboni makes use of the wide network of agreements made with disposal and recovery facilities in Italy and abroad. The producer is advised the best arrangement for its waste from a technical and financial standpoint and can count on it being fully **taken over** and **managed**, including documentation requirements and administration. The service also allows for opening specific notifications for cross-border disposal or, if necessary, formulating ad hoc agreements with final disposal plants, developing **direct management chains** for specific types of waste, either with particular characteristics or not requiring intermediate treatment.

### FINAL WASTE DISPOSAL NETWORK

Some of the most important Italian and European facilities for final disposal of special waste have entered into agreements or specific partnerships with companies of the group, enabling it to offer a fully integrated service package. The disposal service in foreign territory comes with the assurance of suitable and environmentally-safe options to make up for the facility shortage in Italy. These include facilities for thermal destruction of solid, liquid and sludgy waste, for the safe long-term storage of special waste, and for energy recovery. Each partner is selected to ensure that the stringent criteria of operational transparency and traceability of waste products, established as operating standards, are guaranteed. Turnkey transport and disposal services cover all the bases – administrative, technical and logistic.



Riccoboni chose Cascina Borio in Sezzadio (Alessandria) as the site for its RiHabitat facility for **final disposal of non-hazardous special waste**. The site got under way in 2022 with an authorised maximum capacity of about 965 thousand cube metres and cultivation is expected to last 10 years.

The site sits atop a degraded land area that was formerly a quarry, and is designed to offer the highest environmental safety standards, higher than what applicable regulations require for sites of this category.

When the site reaches full capacity, it will be restored through an environmental rehabilitation and renaturation project that will bring back the land to a near-original elevation.

After the final capping operations, the site will be planted with grass plus approximately 1,800 trees and shrub clusters per hectare, for a total of 18 thousand plants.

Cascina Borio can accommodate five different European waste codes:

- 17 05 04 soil and stones from excavations;
- 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03;
- 19 03 05 stabilised wastes other than those mentioned in 19 03 04;
- 19 03 07 solidified wastes other than those mentioned in 19 03 06;
- 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01.





GRASSANO

**Enrolled in the Italian National Register of Environmental Management Companies;**

**Enrolled in the Albo Autotrasportatori cose conto terzi (Register of Hauliers Transporting Goods on behalf of Third Parties) and in the REN (Italian National Electronic Register);**

**Organisation model certified to quality (UNI EN ISO 9001), environmental (UNI EN ISO 14001) and safety (UNI ISO 45001) standards;**

**Abides by the EU Eco-Management and Audit Scheme (EMAS);**

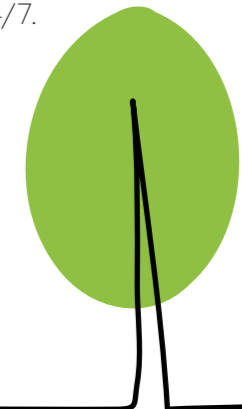
**Member of CONOU (the Italian National Consortium for the Management, Collection and Treatment of Used Mineral Oils), COBAT (the Italian National Consortium for Waste Collection and Recycling), and CONOE (the Italian National Consortium for the Collection and Treatment of Used Animal and Vegetable Oils and Fats).**

# A leader in industrial waste treatment and in the recovery of oils and inorganic materials

Multi-purpose hub for treatment and recovery of special waste located in Predosa (Alessandria). Acquired in 2004, Grassano Spa builds on a heritage of leadership in the collection of used oils and emulsions dating back to 1957 and today is licensed to handle 150 thousand tonnes of special waste a year. The different processing lines make it possible to manage both solid and liquid industrial waste, as well as a wide range of management chains to ensure that waste is fit for its final disposal destination. Its customer base is mainly made of businesses in the field of oil refining, the petrochemical sector, and the chemical-pharmaceutical industry. It owes this to its ability to ensure the safest management of special waste and its highly effective and consistent final disposal solutions.

As a specialist in the collection, transport and treatment of oils, waste oil emulsions, oil filters, and batteries and other WEEE, this facility is a local hub for several different raw materials collection and recovery supply chains.

The group's hallmark attention for environmental and workplace safety can be seen in the management and construction safeguards adopted at the site. These include a fume extraction system throughout the facility, redundant fire alarm systems and active monitoring 24/7.



## SERVICES

### MULTI-PURPOSE HUBS FOR INDUSTRIAL WASTE TREATMENT

Inside Grassano's hub is where waste from industrial processes and remediation operations is preliminarily stored and undergoes treatment. The hub handles:

- reception areas for storing incoming hazardous and non-hazardous waste;
- storage of hazardous and non-hazardous waste pending disposal or recovery operations;
- hazardous and non-hazardous waste grouping and reconditioning;
- chemical-physical treatment of solid and liquid waste via the following processes: screening, mixing, crushing, inertisation, filter pressing;
- soil washing, ploughshare mixing and sludge conditioning;
- storage and treatment of waste pending material and energy recovery;
- pick-up and transport service.

### RECOVERY OF OILS, METALS AND INORGANIC MATERIALS

Grassano operates specific treatment activities aimed at recovering material on behalf of

statutory consortia. It collects and treats used mineral and vegetable oils, emulsions, filters, batteries (from which metals are recovered and sent to foundries), waste oil for regeneration purposes, and paper to put to profitable use via energy recovery. A specific system is used for oil filters, which separates the waste oil-to-recovery from the other recyclable components: iron, aluminium and paper. A waste oil treatment line that uses preheating, filtration and vacuum dehydration is also in place at the facility. Grassano is authorised to fabricate its own waste oil **regeneration system**.

### CHEMICAL ANALYSIS OF WASTE

The Tecnoambiente chemical testing laboratory is on site at the hub, offering a comprehensive range of services to assist with analysis of environmental water and soil matrices, for characterisation of the waste and its classification.

### INDUSTRIAL WASTE BROKERAGE

This solution offers customers the best arrangement for their waste, from a technical and financial standpoint. It involves **assuming the responsibility** for the waste, including in

terms of documentation and administration, and is made possible thanks to a collaborative network with final disposal facilities in Italy and abroad. This makes it possible to develop **direct management chains** for specific types of waste—either with particular characteristics or which do not require any intermediate treatment—through the establishment of ad hoc agreements with the final facilities.

### FINAL WASTE DISPOSAL NETWORK

This service, which gives customers the assurance of controlled and environmentally-safe disposal solutions, is offered across the group but Grassano has taken it to a whole new level. The hub excels in the treatment of hazardous and non-hazardous waste on the way to recovery or final disposal. It has established stable partnerships with final destination facilities throughout Italy and Europe and interfaces with them directly, enabling it to offer a fully integrated service package and ensure consistent waste quality compliant with acceptance criteria.





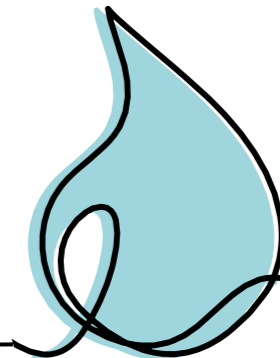


**Registered to participate in the Interlaboratory Tests organised by UNICHIM (the Italian Association for Unification in the Sector of Chemical Industry), an organisation affiliated with the Italian National Standards Institute (UNI);**

**Certified to ISO 9001 quality standard.**

## Research and development at the service of the environment

The company owns the chemical testing laboratory that operates on site at the Grassano multi-purpose hub in Predosa (Alessandria). It was opened in 2007 to support the testing activities of the Riccoboni Group and ensure efficient and effective control and classification of the waste managed, drawing on its experience in the environmental area.



## SERVICES

It performs chemical testing for the purposes of **WASTE CLASSIFICATION**, defines if the waste is hazardous or non-hazardous, assigns hazard classes, and can express an opinion in the choice of recovery or final disposal for the waste.

It performs testing for the purposes of **HOMOLOGATION** on waste samples to be sent to the Grassano facility in order to prepare the treatment chain, as well as chemical and physical reactivity tests to assess the safety level of subsequent processes.

It performs production **PROCESS CONTROL** at Grassano to ensure the high quality of the products that will be recovered or disposed of.

It conducts **RESEARCH AND DEVELOPMENT** programmes aimed at optimising the facility's treatment processes, innovating Riccoboni's remediation processes, and fine-tuning new techniques that can improve the ecological footprint of the different waste types.





**Enrolled in the Italian National Register of Environmental Management Companies;**

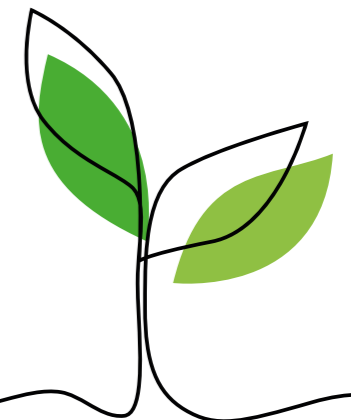
**Enrolled in the Albo Autotrasportatori cose conto terzi (Register of Hauliers Transporting Goods on behalf of Third Parties) and in the REN (Italian National Electronic Register);**

**Certified to quality (UNI EN ISO 9001), environmental (UNI EN ISO 14001), and safety (UNI ISO 45001) standards.**

## On the cutting edge of industrial waste treatment

This company manages the Mediterranean multi-purpose hub of the Riccoboni Group at Ostuni (Brindisi) and has been running since 1995. A large expansion project that upgraded the facility's systems and processes was completed in 2021. The facility collects, transports and treats industrial waste and hosts a chemical testing laboratory tasked with inspecting and properly classifying the incoming waste. It has an overall storage and treatment potential of 110 thousand tonnes a year.

Living up to the steadfast commitment to environmental and workplace safety, systems to clean the air and filter exhaust fumes from work vehicles operating in closed spaces have been installed throughout the facility.



## SERVICES

### MULTI-PURPOSE HUBS FOR INDUSTRIAL WASTE TREATMENT

Inside the Eco.Impresa hub is where waste from industrial processes and remediation operations is preliminarily stored and undergoes treatment. The hub handles:

- reception areas for storing incoming hazardous and non-hazardous waste;
- storage of hazardous and non-hazardous waste pending disposal or recovery operations;
- hazardous and non-hazardous waste grouping and reconditioning;
- chemical and physical treatment of hazardous and non-hazardous waste;
- storage and treatment of waste pending material and energy recovery;
- activities for final disposal of hazardous and non-hazardous waste;
- pick-up and transport service.

### CHEMICAL ANALYSIS OF WASTE

The hub houses a chemical testing laboratory that inspects the incoming waste, performs process control and properly classifies the waste up for disposal according to the acceptance criteria of final destination facilities.

### BROKERAGE AND FINAL DISPOSAL

Eco.Impresa leverages on the **network** of partnerships that the Riccoboni Group has in place **for final waste disposal**, offering customers an integrated treatment and disposal service. If necessary, it is also equipped to develop ad hoc solutions for specific chains that do not require treatment at the hub, offering a **brokerage** service for recovery, disposal and management of industrial waste.





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