Waste to Energy Plant

OVER 30 YEARS' EXPERIENCE

Gre enthesis is a company belonging to the Greenthesis Group, specialising in environmental reclamation and remediation as well as the treatment, recovery and disposal of hazardous and non-hazardous waste.

For over 30 years Greenthesis has been the country's leading specialists in waste management and environmental services, providing considerable expertise in the field of integrated industrial waste management.

Greenthesis is a company listed on the Italian Stock Exchange in Milan on the MTA market. The company has an Internal Control System consisting of two main components: an Internal Control and Risk Management Committee and a Supervisory Body pursuant to Legislative Decree no. 231/2001.

Since 2007 it has developed its own Code of Ethics and adopted its Organisation Management and Control Model pursuant to italian Legislative Decree no. 231/2001, which is intended to help legal entities avoid liability in the event of criminal proceedings.

Quality Certification

EMAS
GESTIONE AMBIENTALE VERIFICATA

ESNA-SOA
Società Organismo di Attestazione S.p.A.

-SOA n. 17823/16/00
-ISO 9001
-ISO 14001
-ISO 45001
-EMAS verified environmental management

INTERNATIONAL PROJECTS

B&A WASTE MANAGEMENT

B&A Waste Management Co. LLC is the Joint Venture between Bee'ah Sharjah Environment Co. LLC, the leading waste management service provider in the UAE, and the company established under Emirate law, Ambienthesis Middle East DMCC, wholly owned by Ambienthesis SpA.
This Joint Venture specialises in solid and liquid waste management, radioactive waste management, remediation, design, construction, and operation of landfill and waste treatment facilities in the UAE and the GCC states.

EKOTEKNO

Ekotekno is a limited liability company established under Polish law in order to develop and manage a treatment and recovery facility for solid urban waste and similar, including a close by attached landfill site with an approximate capacity of 1 million m³, located in the Lodz Region - Chabierów (Poland).

MISSION & VISION

We have always believed in technological innovation and in a systematic approach to environmental management.
We are committed to creating a sustainable, pragmatic business model, which aims to protect the natural environment and improve the quality of life for future generations.

Greenthesis is part of the Greenthesis Group.
With over thirty years' experience in the Green Economy, the Group is one of Italy's leading integrated solution providers with global expertise in environmental solutions and remediation services, waste-to-energy technologies, wastewater treatment, sludge management, biogas and biomethane production.

Greenthesis S.p.A., a listed company, is the country's leading provider in reclamation, environmental remediation services, treatment and recovery of industrial waste.

www.greenthesisgroup.com

GREENTHESIS
GROUP

THINK GREEN, ACT SMART

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GREENTHESIS

RECLAMATION, TREATMENT, REGENERATION. **WORKING FOR A GREENER FUTURE.**

Greenthesis Orbassano Plant

INDUSTRIAL WASTE TREATMENT AND DISPOSAL IN OUR FACILITIES

OUR FACILITIES

GREENTHESIS ORBASSANO

Italy's largest integrated platform for the treatment, disposal and recovery of hazardous / non-hazardous liquid and solid waste

Where > Orbassano, Turin
Liquid waste treatment capacity > 320.000 m³/year
Solid waste treatment capacity > 200.000 t/year

GREENTHESIS LISCATE

Wastewater treatment

Where > Liscate, Milan
Liquid waste treatment capacity > 273.750 m³/year

GREENTHESIS SAN GIULIANO MILANESE

Waste sorting plant and storage

Where > San Giuliano Milanese, Milan
Authorized storage capacity > 950 m³/dd Storage
Area > 4.000 m²

LA TORRAZZA

Landfill site for hazardous and non-hazardous waste

Where > Torrazza Piemonte, Turin
Authorized volume > 441.000 m³
Area > 125.000 m²

BIOAGRITALIA

Biological sludge treatment plant

Where > Corte De 'Frati, Cremona
Treatment capacity > 25.000 t/year
Area > 8.022 m²

DAISY

Landfill for non-hazardous waste and solid waste inerting plant

Where > Barletta (Apulia)
Authorized Volume > 350.000 m³
Area > 80.000 m²

BARRICALLA

Hazardous waste landfill

Where > Collegno, Turin
Authorized volume > 500.000 m³
Area > 150.000 m²

ENVIRONMENTAL REMEDIATION AND RECLAMATION

With hundreds of areas which have been reclaimed, including Sites of National Interest (SIN), Greenthesis is one of the leading providers of remediation and reclamation solutions both in Italy and abroad. Our activities range from the reclamation of contaminated land and polluted sites to the remediation work to make former landfill sites safe, from groundwater remediation, to the decommissioning and reclamation of disused industrial sites. In this area, Greenthesis excels in developing innovative technological solutions and guaranteeing a high standard of reclamation while fully safeguarding the environment.

Solar power system of Barricalla landfill

MORE THAN 500 HIGH-PROFILE PROJECTS

Reclaimed land > over 3 million m²

Contaminated soil treated > over 2 million tons

Customers > Public and private entities

Technology > soil washing, biological treatment, oxidation, Soil Vapour Extraction (SVE), air sparging, realization of confined volumes

Value of reclamations carried out > over 300 million

Examples of Projects > former Falck, former Alumix, former Syndial (Eni Rewind) Mantova, former Syndial (Eni Rewind) Marghera, Alcoa Fusina, former Ilva, Municipality of Asola

OUR APPROACH TO INNOVATION

Innovation plays a key part in Greenthesis's strategy. Our companies are constantly looking to improve and update their facilities and services in order to gain a competitive edge in a constantly evolving sector.

Among our current projects are: the implementation of innovative systems such as the RTO - Regenerative Thermal Oxidiser and the installation of a state-of-the-art Cogeneration Plant at the Orbassano site. We are also currently working closely with Companies, Universities and Research Centres with a view to using Graphene in water treatment systems, and are working in partnerships for the development of "Smart Cities".

DESIGN, DEVELOPMENT AND MANAGEMENT OF MOBILE PLANTS

Greenthesis is authorised to carry out the treatment of solid and liquid waste using modular mobile plants. By facilitating on-site reclamation work, these systems help to significantly reduce the overall environmental impact by minimising off-site disposal and running costs.

WATER TREATMENT

T.A.E

Physicochemical treatment (D9) for hazardous and non-hazardous liquid waste.
Treatment capacity > 800.000 m³/year

T.A.S.I 2004

Physicochemical treatment (D9) for hazardous and non-hazardous liquid waste.
Treatment Capacity > 75.000 m³/year

COGIRI mobile system

Physicochemical treatment (D9) for hazardous and non-hazardous liquid waste.
Treatment capacity > 11.000 m³/year

TREATMENT OF SOLIDS

T.S.E - Soil Washing system

Soil washing system for soil and inert materials, with physicochemical treatment (D9), reconditioning preliminary operations (D14), recycling/reclamation (R5), of hazardous and non-hazardous waste.
Treatment capacity > 288.000 t/year

ECO 2000 - Inertisation system

Hazardous and non-hazardous solid waste treatment for the inertisation and treatment of waste using a predominantly inorganic matrix. Authorised for recovery (R5 - R12) and disposal (D9 - D13).
Treatment capacity > 60.000 t/year

REV GCV100 - Crushing system

This specifically authorised operation consists of the reclamation (R5) and/or pre-treatment (D13) of C/D waste and of all waste materials from reclamation activities that can be recovered and/or are produced when using mobile systems.
Treatment capacity > 312.000 t/year

EXTEC S4 - Screening system

Mobile grain size separation system (e.g. soil, slag, rubble, etc.). Equipped with three stages of interchangeable vibrating wire mesh with the possibility to select the grain size from decimeter to millimeter. Authorised for recovery (R5 - R12) and disposal (D13) operations.
Treatment capacity > 300.000 t/year

T.S.W. - Soil Washing system

Authorised soil washing system for the treatment of hazardous and non-hazardous solid waste and for treatment, recovery (R5) and disposal (D9) operations.
Treatment capacity > 576.000 t/year