

With more than 20 years of activity in the construction and operation of Waste Management Plants in Greece and abroad, HELECTOR's credentials include:

13 MIXED SOLID WASTE TREATMENT PLANTS (WTPs)

with a total capacity of **> 2,200,000 tons per year**



20 PRE-SORTED BIOWASTE TREATMENT PLANTS (GERMANY)

with a total capacity of **> 400kta**



4 BIOGAS POWER PLANTS

with a capacity of **> 32 MWe**



THE ONLY INCINERATOR OF TOXIC WASTE IN GREECE

with a capacity of **> 10kta**



1 HAZARDOUS, PURELY INFECTIOUS, WASTE STERILIZATION UNIT

with a capacity of **> 6kta**



4 RECYCLABLE MATERIALS RECOVERY FACILITIES (MRFs)

with a total capacity of **> 240kta**



2 GLASS RECYCLING PLANTS

with a total capacity of **> 50kta**



THE LARGEST LANDFILLS IN GREECE AND CYPRUS

with a capacity of **> 30,000,000 m³**



ADVANCED, STATE-OF-THE-ART LEACHATE TREATMENT PLANTS COMPLEMENTING LANDFILL PROJECTS

with a total capacity of **> 2,000 m³ per day**



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MEMBER OF ELLAKTOR GROUP

Pioneering Waste Management Solutions for a Sustainable Future

A fully integrated waste management company providing vertical solutions tailored to customers' requirements and needs, covering the entire spectrum of waste management services.

With over 20 years of experience and international presence, HELECTOR holds a leading position as regards Waste Management in Southeast Europe. As one of the core arms of ELLAKTOR Group, being active in more than 25 countries, HELECTOR's vertically integrated operation allows it to provide vertical solutions covering the entire spectrum of waste management services. HELECTOR specializes in the design, construction and operation of waste treatment plants and waste – to – energy projects.

With operations in 8 countries and more than 950 employees, HELECTOR is the only Greek company that has developed, owns and implements internationally recognised state-of-the-art technologies in the field of waste management. In addition, through its German subsidiaries, HELECTOR covers the entire spectrum of biological treatment applications.

At the same time, HELECTOR has significant know-how in the field of landfill biogas utilization for the production of energy. The Power Plants it has designed, constructed and operated over a number of years include the innovative plant at the Integrated Waste Management Facilities (IWMF) of Western Attica., which is one of the largest of its kind worldwide, with an installed capacity of 24.5 MW.



MAIN SECTORS OF ACTIVITY

Waste Management

- More than 700,000 tons per year are being treated at HELECTOR's facilities in Greece and Cyprus.

Among the company's achievements are:

- The 1st **Integrated Waste Management System in Greece** (Western Macedonia) which is also the country's 1st Waste Management Public Private Partnership (PPP) Project, with a capacity of 120,000 tpa.
- The largest **Mechanical Biological Treatment Plant in Europe** (Sofia, Bulgaria) with a capacity of 410kta.
- The Mechanical Biological Treatment Plant in Larnaca, Cyprus is considered as **the first project, on a worldwide basis, applying extensive optical sorting for the recovery of recyclable materials from mixed waste**. The facilities apart from the mixed solid waste treatment plant include a residual sanitary landfill.

The plant has a treatment capacity of 190,000 tons of mixed solid waste per year.

- The construction of two Waste Treatment Plants in Croatia, with a total capacity of 190,000 tons per year.

- The operation of the Mechanical Recycling and Composting Plant at the Integrated Waste Management Facilities (IWMF) of Western Attica, with a capacity of 300,000 tons per year and its conversion into a Green Plant with emphasis on recycling, secondary fuel production and production of high-quality Compost from pre-sorted organic waste.

- The waste treatment plant in Osnabrück, Germany, with a capacity of 105,000 tons per year.

- Construction of the largest landfills in Greece and Cyprus with a capacity > 30 million m³ per year.

Emphasising on the recovery of recyclable materials, reservation of resources, reduction of energy consumption for the production of new materials and reduction of gaseous emissions, HELECTOR utilises innovative technologies and specialised equipment for the design

of state-of-the-art plants. Regarding the treatment of the organic fraction of waste, HELECTOR specialises in its Biological Treatment for the recovery of useful by-products and energy production.

Management of Hazardous Waste from Healthcare Units

In the field of Clinical Waste Management, HELECTOR provides integrated collection, transport and treatment services.

HELECTOR has constructed and operates through a joint venture scheme the sole clinical waste incinerator in Greece, situated at the Integrated Waste Management Facilities (IWMF) of Western Attica, since 2002.

Through its subsidiary, APOTEFROTIRAS S.A., HELECTOR provides services for the collection and transportation of clinical and pharmaceutical waste.

Disposal, being at the end of waste management "value chain", includes the management of residual fractions mainly through landfilling (with the complementary leachate treatment infrastructure) but also through the energy utilization of materials that cannot be further treated.

HELECTOR's subsidiary, Sterilization S.A., APOSTIROSI S.A. has constructed and operated since 2008, the clinical waste sterilization plant, offering integrated and environmentally sound solution.

Furthermore, a fully operational network for the collection and transport of waste, covering a large part of mainland Greece has been organised.

Energy Recovery from Waste - RES

- More than 32MWe of installed power towards energy recovery biogas from landfill (> 200,000 MWh per year).

With extensive experience in utilizing released biogas from landfill for energy production as well as significant know-how in the development and maintenance of a landfill biogas pumping network, **HELECTOR has constructed and operates one of the largest landfill biogas power plants in Europe, through its subsidiary BEAL S.A.**

In addition, HELECTOR has constructed and operates landfill biogas power plants in Tagarades (3.75 MW), Mavrorachi (3.52MW) and Kozani (1.26 MW) landfills.

Processing of Recyclable Materials

Through its subsidiary ASA S.A., HELECTOR operates 2 recyclable materials recovery facilities, in Aspropyrgos (capacity: 55,000 ta) and Lamia (capacity: 10,000 ta).

HELECTOR has also constructed Amman landfill Power Plant in Jordan, with a capacity of 4.65MW, where it has also carried out landfill rehabilitation and biogas extraction works. The Plant was operated by HELECTOR up to June 2021 when its operation was handed over to the Municipality of Amman.

In the field of Energy Recovery, HELECTOR successfully completed the construction and putting into service of the country's first heating plant co-incinerating biomass and lignite in Amyntaio, with a capacity of 30MWth.

Moreover, it owns two glass recycling plants in Aspropyrgos and Thessaloniki with capacities of 30,000 ta and 20,000 ta respectively.

Know-How The passport for HELECTOR's future

HELECTOR's expertise is engaged in the most environmentally friendly technologies focusing on biological processing (aerobic and anaerobic) for the production of alternative fuels, compost and biogas.

