Accelerating towards a circular economy transition.
Our mission and vision
ELLAKTOR GROUP
Our Mission and Vision

MISSION
Leveraging our people’s unique expertise, we deliver high-quality infrastructure, energy and waste management projects, we foster circular economy innovative solutions while enhancing our alternative energy footprint, creating value for our shareholders, our employees and the Greek Economy and Society.

VISION
Leading the way to a contemporary, innovative, safe, sustainable future.
ELLAKTOR GROUP

Our Mission and Vision

1. Opportunities
   - Workplace and we respect diversity.
   - We encourage team effort, collaboration and excellence on both an individual and a collective level.

2. Collaboration and Excellence
   - We are committed to the high quality of our work, the transparency and the flexibility of our business operation, seeking the continuous improvement of our competitiveness.
   - We invest in innovation, cutting-edge technologies and best practices aiming at the continuous enhancement of the way we operate.

3. Achievement and Efficiency
   - We operate with transparency and environmental and social awareness, encouraging the respectful and dignified treatment of all people.
   - We invest in the know-how and the expertise of our people and we support the process of continuous learning for their further development.

4. Innovation and Best Practices
   - We operate with the health and safety of our people as our main priority.
# HELECTOR SNAPSHOT

## At a glance

<table>
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<tr>
<th>Ellaktor’s Waste Management Arm - Leading position in Greece &amp; SE Europe</th>
<th>Fully integrated Waste Management company providing vertical solutions that span throughout the waste management sector</th>
<th>Expertise in the design, construction and operation of waste management and waste-to-energy projects</th>
<th>Only Greek company holding patented state-of-the-art technological &quot;Know-How&quot; with worldwide recognition</th>
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<tr>
<td>Significant growth prospects in Greece (new projects pipeline &gt; €1.5 bn and abroad)</td>
<td>Solid profitability, “healthy” balance sheet and high liquidity allowing to pursue investment &amp; growth opportunities</td>
<td>International Presence (Projects undertaken in seven countries) &gt;1000 Employees</td>
<td>Recurring revenues from operations (~ €80mn.)</td>
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WASTE MANAGEMENT
- Operating infrastructure in Greece, Cyprus and Germany
- More than 900kta under treatment in 7 facilities
- €68mn revenue in 2021 (estimate) high EBITDA margin and recurring profitability
- Medium to long term contracts

WASTE TO ENERGY
- More than 34MWe of landfill biogas exploitation under operation
- Attica plant – one of the largest in Europe
- New investments in additional 1.2 Mwe Expected to be completed by mid 2022.
- Favorable statutory framework (FIT €94/MWh – FIP €106/MWh)
- €22mn (in 2021) in recurring revenue (post BEAL repowering)

ENVIRONMENTAL CONSTRUCTION
- Successfully designed & delivered the largest Mechanical Biological Treatment (MBT) plant in Europe for the treatment of Municipal Solid Waste in Sofia, Bulgaria which includes biodrying (aerobic treatment) and recovery of recyclables and secondary fuel (SRF)
- Successfully designed, delivered and operating the 1st integrated waste management facility in Greece (Western Macedonia) which is at the same time the 1st waste management PPP in the country
- Successfully designed, delivered & operating the 1st waste management facility in Cyprus which was the 1st facility worldwide recovering significant quantities of recyclables from mixed waste
HELECTOR OVERVIEW
Vertically Structured Group

FULLY INTEGRATED GROUP PROVIDING VERTICAL SOLUTIONS THAT SPAN THROUGHOUT THE WASTE MANAGEMENT SECTOR

VERTICAL SOLUTION

ONE STOP SHOP

THAT CAN CATER ALL NEEDS

CUSTOMIZED SOLUTIONS BASED ON THE REQUIREMENTS OF THE CLIENT, THE NEEDS OF THE REGION AND THE COMPOSITION OF WASTE TO BE TREATED
Waste Management
Value Chain

FRONT-END

1st priority in waste hierarchy
Recovery of recyclable materials
Reservation of resources for the production of new materials
Reduction of emissions

CORE PART

Treatment of the organic fraction of waste
Biological treatment for the recovery of useful by-products
Incineration
Treatment results in residual fractions

END PART

Activity that relates to the handling of the residual fractions of waste treatment & recycling; mainly landfilling
Disposal activities include accompanying infrastructure such as leachate treatment
Mass incineration is considered a “disposal” activity producing new materials
Reduction of air emissions
ACTIVITY OVERVIEW

Recycling
Mechanical & Optical Sorting

- Helector has vast experience in the design of mechanical treatment process lines.
- Complex set-up consisting of “cutting edge” equipment.
- Key issue is the process design undertaken by our in-house engineering team.
- Remarkable results in handling both presorted streams as well as mixed waste.
SPECIALIZED KNOWLEDGE

Helector’s passport to the future

The knowhow possessed by HELECTOR and through its subsidiary, HERHOF GmbH, for the production of alternative fuel, compost and biogas, offers a comparative advantage to the Company, as shown in the following graph.
ACTIVITY OVERVIEW

Waste to Energy
Landfill gas exploitation

- Helector has vast experience in energy utilization of landfill gas
- Installed capacity of $\approx 34$ MWe
- Its portfolio includes one of the largest plants in Europe
- Load & efficiency factor $\sim 85\%$
- Favorable RES framework with grid absorption priority, 20 year PPA and € 94 / MWh (following “New Deal” arrangement) while FiP framework @ € 106/MWh
Helector has constructed and operating under a service contract Greece’s only clinical waste incinerator with an annual capacity of 12,000 tons.

In operation through Helector since 2007.

Additionally, Helector holds a 60% stake in Aposteirisis S.A., a sterilization plant with a capacity of ~4 k.tn p.a.

Helector has constructed the biggest landfills in Greece & Cyprus including the Attica & Thessaloniki Prefecture landfills.

Total landfill capacity constructed exceeds 30 mn m3.

Helector operates sanitary landfills including support services for the Athens region landfill serving more than 4 mn inhabitants.

Helector has vast experience in the design, construction and operation of leachate treatment plants, as accompanying works to sanitary landfills.

Experience includes the biggest such plants in Greece & Cyprus.

Leachate plants use the most sophisticated and modern treatment technologies.
ACTIVITY OVERVIEW

Through Projects Implemented So Far Helector...

...treats over 900,000 t/a of waste through its waste treatment plants in Greece, Cyprus & Germany.

...undertakes the operation and/or provides support services for landfill facilities (~ 2mn tons p.a.)

Saves ~ 1,000,000 tons of CO2 emissions p.a.

Annual energy Production of ~ 220,000 MWh
Annual recovery ~ 87,000 tons of recyclable material
Annual recovery of ~ 60,000 tons of CLO
Annual recovery of ~ 55,000 tons of high quality secondary fuel (SRF) and additional ~ 100,000 tons RDF
CORPORATE OVERVIEW

Human Resources

Helector’s total personnel amount to 1,069 people (31/12/2021) presenting significant increase even during the Covid-19 crisis.

Helector’s growth is based on its experienced and highly skilled personnel which constitutes a prerequisite in waste management sector.
HELECTOR PROJECTS OVERVIEW

Projects Portfolio Overview

- Company headquarters
- Market leader
- Significant growth opportunities

- Larnaca Plant (190 kta)
- Pafos landfill

- Awarded 2 Waste turnkey management projects
- Total capacity 190 kta

- Patented technology through German subsidiaries (biological treatment)

- 1st landfill biogas project completed in 2021

- Largest MBT plant in Europe (410 kta – Sofia Municipality)
## Projects Portfolio Overview

### Construction Experience

*(concluded projects) so far include:

- **13 Mechanical Biological Treatment (MBT – aerobic treatment) facilities** ~2.2 mn tons p.a.,
- **16 Anaerobic Digestion (AD) plants** ~240k tons p.a. capacity,
- **3 landfill biogas power plants** >32MW capacity,
- **1 hospital incinerator** 12k tons p.a. capacity,
- **2 Material Recovery Facilities** ~175kta p.a. capacity
- **12 landfills (> 30mn cubic meters)** 8 leachate treatment plants

### Major Waste Management Services Contracts

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<tr>
<th>Project Description</th>
<th>Details</th>
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| MBT plant, Residual Landfill & Transfer Stations – Kozani, Greece (100%) | - 120kta capacity  
- 1st integrated waste management facility in Greece  
- 1st waste management PPP in Greece (Design, Financing, Construction & 25y Operation)  
- Total investment amounted to €48mn (inc VAT)  
- Operations commenced June 2017 |
| Design, construction & operation of MBT plant & Residual Landfill – Larnaka, Cyprus (100%) | - The only operational waste management plant in Cyprus 190kta capacity  
- Design, Construction and Operation  
- Operations commenced in April 2010 |
| Design, construction & operation of the hospital waste incinerator – Athens, Greece (70%) | - 13kta nominal capacity – currently operating at 4kta  
- Operating under service contract |
| Operation of a hospital waste sanitization plant – Volos, Greece (60%) | - 4kta currently operating at full capacity  
- Private investment |
| Operation of MBT Plant Attica Greece (70%) | - 250,000 tons / yeat capacity under operation service contract |

### Existing Landfill Biogas WTE Plants

- **Material & Glass Recovery Facilities**  
  - 55,000 tons/year capacity regarding packaging waste in two facilities (Attica & Lania)  
  - 50,000 tons/year capacity regarding glass residuals in two facilities (Athens & Thessaloniki)
- **Mechanical biological treatment plant – Osnabrueck, Germany (100%)**  
  - 90,000 tons/year capacity  
  - Operations commencement in February 2006
- **Cogeneration Plant – Attica, Greece (50%)**  
  - One of the largest Cogeneration Plants worldwide and largest in Europe at 25 MW installed capacity  
  - In operation since 2001 operating close to full capacity  
  - Overall investment - €36m
- **Cogeneration Plant – Salonica (Tagarades), Greece (100%)**  
  - 5 MWe installed capacity – currently operating at 2MW  
  - Overall investment ~ €8mn
- **Cogeneration Plant – Salonica (Mavrorachi), Greece (100%)**  
  - 3.5 MWe installed capacity  
  - Overall investment ~ €4mn

* Additional pipeline already under construction – additional capacity ~ 1,2 MWe
HELECTOR PROJECTS OVERVIEW

Waste Treatment– Major Landmark Western Macedonia PPP

KEY DATA

- % participation: 100%
- Nominal Capacity: 120kta (Over 600kt treated so far)
- Guaranteed tonnage: 90kta
- Overall Investment (exc VAT): ~ 44 mn
- Own Funds: ~ 17 mn
- Residual Target (contractual): ~ 36%
- Recycling Target (contractual): ~ 12% (Over 80kt recovered so far)
- Operation commencement: 10/6/2017
- Operational tenure: 25 years
- Personnel: 135

- The project has been financed through EIB & Jessica
- EPC Contract undertaken by HELECTOR and was completed within the specified time framework of 24 months
- The project includes the construction & operation of a Mechanical Biological Treatment (MBT) plant, of a residuals’ landfill as well as Kozani Transfer Station as well as the operation of 9 already operational transfer stations
- The operation is undertaken through an SPV (EPADYM SA)
- Technological application: Recyclables recovery & compost (CLO) production
HELECTOR PROJECTS OVERVIEW

Major Projects Abroad

- **Design and Construction of a Mechanical–Biological Treatment (MBT) Plant**
  - for processing waste and production of Refuse Derived Fuel
  - **Project type:** EPC
  - **Capacity:** 410,000 t/a
  - **Contract value:** ~€85mn
  - **Co-funded through European Commission (~70%) and EIB funds (~30%)**
  - **Products:** Metals and other Recyclables, SRF and Compost (Herrhof application)
  - **Commissioning started September 2015**

- **2 projects awarded in Croatia (the first 2nd generation projects in the country)**
  - **Project type:** EPC
  - **County Waste Management Centre Mariscina Primorsko- Goranska County**
    - **Capacity:** 100,000 t/a
  - **County Waste Management Centre Kastljun County of Istria**
    - **Capacity:** 90,000 t/a
  - **Contracts’ value:** ~50mn
  - **Both projects delivered (2017 & 2018)**
  - **Type of Product produced:** metals and SRF (both plants)

- **Project type: Concession Contract**
  - **Capacity:** 105,000 t/a
  - **Start of early operation in February 2006 - 17 years of operation contract**
  - **The plant uses technologies of mechanical separation for the recovery of metals & aerobic treatment of the organic fraction for the production of secondary fuel - SRF (Stabiat®).**
  - **Investment Cost:** ~€30 mn

- **Project type: EPC**
  - **Capacity: 31 t/a of presorted MSW (organic fraction / kitchen & garden waste)**
  - **Contract value:** ~€10.1 mn
  - **Installation includes 8 dry fermenters (Loock technology) as well as 6 composting boxes (Herrhof application)**
  - **Plant delivered in 2017**

- **Project type: EPC & Operation**
  - **Contract value:** ~€20mn
  - **Design, build and restoration of the sanitary landfill and operation of the gas recovery facility and power generation system at the existing Ghabawi landfill, Amman - Jordan**
  - **Project includes the restoration of the existing landfill cells, installation of biogas supply network, construction of a 6MW cogeneration plant and 2 year operation**
  - **HELECTOR holds 50% in the project**

- **Project type: Design, construction, partly finance & operation**
  - **Capacity: 190kta treatment plus ~ 70kta disposal**
  - **Operation started on April 2010**
  - **Investment Cost:** ~€65 mn of which ~€42 mn were financed by the Cypriot Government
  - **The plant uses technologies of mechanical and optical separation to recover recyclable materials**
  - **The organic fraction undergoes aerobic treatment for the production of like output (CLO)**
  - **113 employees**
HELECTOR PROJECTS OVERVIEW

Major Projects Greece

- **BEAL — Ano Liosia, Attica**
  - Design, financing, construction and operation
  - The largest biogas power plant in Europe
  - Capacity: 24 MW
  - Total investment of €36 mn
  - In operation since 2001 (phased development)

- **Mavrorachi, Thessaloniki**
  - Design, financing, construction and operation
  - Latest plant developed
  - Capacity: 3.52 MW
  - Total investment of €4.2 mn
  - In operation since August 2020

- **Tagarades, Thessaloniki**
  - Design, financing, construction and operation
  - Capacity: 5 MW
  - Total investment of €8 mn
  - In operation since 2007

- **Design, construction & operation of the hospital waste incinerator in Athens, Greece**
  - Capacity: 12,000 t/a
  - 9 years operation contract signed in 2007

- **Design & Construction of 2 Material Recovery Facilities (MRF) treating packaging waste in Fyli & Koropi Municipalities**
  - Capacity: 100,000 & 75,000 t/a respectively
  - Industrial & packaged waste treatment
  - Recovery of recyclable products (paper, cardboard, plastic, metals, RDF)
  - Operation of 2 MRF with a capacity of 55,000 tons/year of packaging waste
  - Operation of 2 Glass recycling facilities with a capacity of 50,000 tons/year

- **Vast experience in the design and construction and restoration of sanitary landfills and adjacent leachate treatment plants of a total capacity exceeding 30mn m3. Core projects are considered the following:**
  - Ano Liosia, Total capacity 8.5 mn tons
  - Fyli, Total capacity 14 mn tons
  - Mavrorachi, Total capacity 4.8 mn m³
  - Tagarades, Total restored area 190,000 m²
Key Take Away Points

- **Vertical integration** – Helector structure allows for increased flexibility in services & solutions provided allowing activity in all aspects of waste management and ability to cater the most demanding needs.

- **Know-how** – Valuable know-how in a wide spectrum of waste management activities (recycling, biological treatment, disposal, energy from biogas, leachate treatment).

- **Patented Technology** – Worldwide competitive technology.

- **Growth** – Strong growth prospects with attractive economics especially in the geographical area of interest. The necessary waste management infrastructure in Greece requires investments exceeding €1.5 bn in the following 5-year period. Moreover, additional opportunities exist in the wider geographical area of interest by utilizing the worldwide patented technology.

- **Regional Footprint** – Aiming to a key player role in the geographical area of interest.

- **Expansion through investments** – Helector has invested approximately €120mn in the projects that have undertaken (including investment and support of German subsidiaries).