

# Construction and Environment Industry in Hungary



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MINISTRY OF  
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OF HUNGARY

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# Construction Industry







## Construction Industry

Hungarians are proud of their creativity. They are happy to talk at length about the list innovations linked to Hungarian scientists and inventors. The same applies to the results achieved by the construction industry. Hungarian specialist, Béla Gerster, is renowned for his role in constructing the Corinth Canal, which was completed in 1893 and was the longest such structure at the time. Among modern-day construction industry innovations, translucent concrete and glass concrete have gained extensive international recognition, but the reusable plastic shuttering is also a Hungarian invention. Currently, the construction industry is one of the most dynamically expanding segments of the Hungarian economy, enjoying extensive government support, which

helps construction companies expand their capacities and accelerate technological changes by facilitating new machinery purchases. The development trajectory of the Hungarian construction industry can be considered outstanding, even on a European level. In the past three years, the sector has increased its performance by more than 20 percent annually, with a minimal increase in headcount due to the ever-expanding automation and digitalization.

Today the construction industry plays an essential part in the export sector, with more and more Hungarian companies gaining popularity. Several Hungarian companies acquired factories or real estate

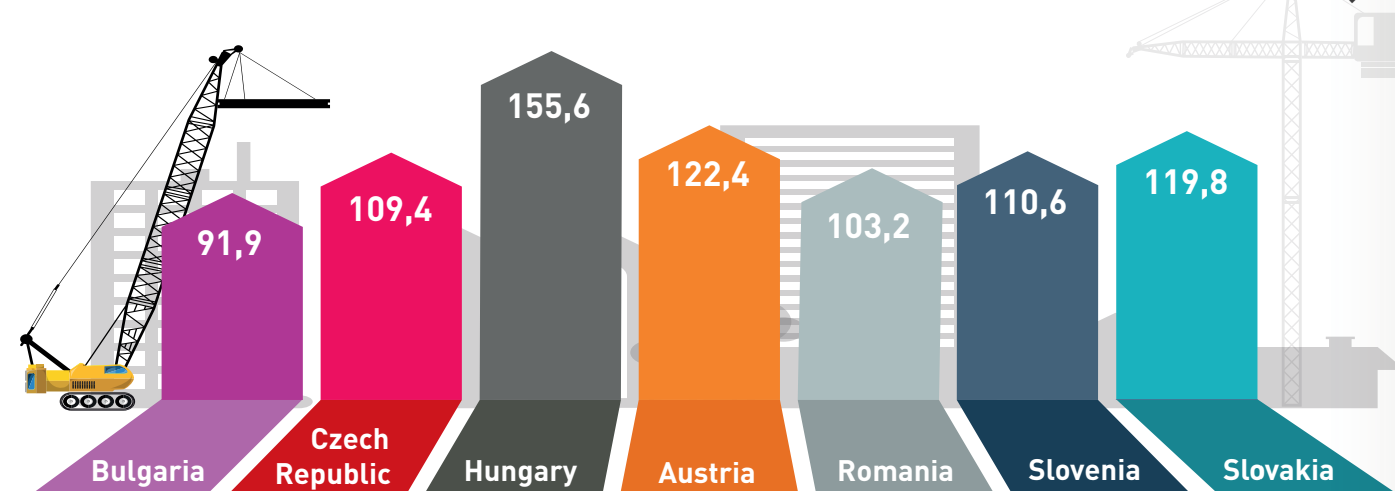
development companies (mainly in Poland), constructed apartment complexes, shopping centers, designed and built industrial and other special facilities, and water treatment systems. The sector's strengths include design, construction, development of network infrastructures, and recycling construction waste, along with the high-quality reconstruction of historic buildings that enrich the world's architectural heritage, evidenced by a large number of buildings in Hungary and abroad alike. Hungarian construction and civil engineering firms enjoy high international recognition, completing many outstanding quality projects from Germany to the Far East.

The country has a strong tradition in the field of construction product manufacturing. In addition to roofing, many companies specializing in interior design have had a strong professional reputation for decades, including roof tiles by Terrán, wood products by Falco, plastic products by Graboplast, or tiles by Zalakerámia. These companies fulfill large volumes of international orders. Many companies have launched construction innovation projects during recent years to satisfy the modern world's ever-changing expectations. The main pathway of these projects related to energy efficiency has been reforming insulation materials (glass foam) and the developments related to alternative energy production (heated glass structures). Building on Hungary's massive thermal water resources, many companies specialize in producing high-quality sanitary appliances that can be also be utilized in the field of spa culture.

prize. The building complex of the Laposa Winery, and SkyCourt, the new passenger hall of Budapest Airport, are also among internationally recognized projects. Furthermore, FTC's new arena (Groupama Arena) was recently named "The World's Best Newly-Built Stadium." Some of the demolished material of the previous stadium was utilized for its construction. Meanwhile, many world-class international professional exhibitions and events, such as the International Conference on Sustainability in Energy and Buildings, chose Hungary as their location, underlining that the country is becoming one of the key players for international professional knowledge sharing. Hungarian construction companies can now rely on significant research, development, and professional training background. As a result, they can offer forward-looking, innovative in-house solutions that help find answers to the technical, environmental, and social challenges of 21st-century infrastructure and urban development plans. These include smart mobility systems - an accurate, by-the-minute display system for public transport, the 'Cityzen' intelligent parking system, or the reusable plastic shutters.

As a result of the industry's outstanding development, in recent years, Hungarian companies can offer sustainable, modern, and intricate systems that meet their foreign partners' strictest environmental requirements (e.g., environmentally friendly and smart building materials, thermal insulation solutions).

## INCREASE IN CONSTRUCTION OUTPUT IN THE CEE REGION 2019 (%)



Source: Hungarian Central Statistical Office

The construction industry accounted for 5.4 percent of Hungary's total GDP performance in 2019, which means that the completed construction projects were worth EUR 12.7 billion. The Hungarian construction industry excels in quantity and quality, with an increasing number of Hungarian architectural plans and solutions gaining recognition at international competitions and exhibitions in recent years. The House of Hungarian Music, implemented within the Liget Project framework, is the most extensive cultural and urban development program in Europe, which was awarded by a prestigious international





# CSIKÓS TERV ARCHITECT LTD.

Csikós Terv Architect Ltd. offers comprehensive engineer solutions and development tracking from design sketches to the final products. Csikós Mihály, the founder and lead designer of the company, has nearly 40 years of experience designing and has hundreds of realized projects in Hungary and many countries abroad. The company has created 3D visualizations and animations related to each project for more than 20 years. Csikós Terv Ltd. strives for high standards and top quality.

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H-2085 Pilisvörösvár, Zrínyi utca 23/A

## PRODUCTS & SERVICES

Csikós Terv Ltd. provides comprehensive architectural services ranging from sketches to complete plans. The company offers services in many different categories like houses, luxury homes, hotels, restaurants, malls, public institutions, or even ships

The company focuses on premium quality services and meeting client expectations to the full. It embraces challenges and love participating in out-of-the-ordinary projects.



## ADVANTAGES

The company's extensive experience and history of working with clients globally including countries like Germany, France, Russia, Vietnam, Egypt, or Saudi Arabia are Csikós Terv Ltd.'s definitive advantage. It has many returning costumers, which is the best positive feedback. The company creates professional 3D-visualizations related to its projects.

## REFERENCES

**Sheraton's four Points:** The company made the interior design of Four Points by Sheraton in Kecskemét, which is the only Sheraton Hotel in Hungary.

**Malls in Saudi Arabia:** Csikós Terv Ltd. once attended the Big 5 Saudi Exhibition, where negotiations about a mall interior design started. At last, the company was entrusted by making the implementation plans of interior design and four different malls' external appearance in four different cities. All four projects were realized.

**Avalon Resort & Spa:** One of the most popular resorts in Hungary. Located in Miskolctapolca in a nature reserve in the forest and offers outstanding recreational facilities for visitors.

## PRIMARY TARGET MARKETS

Finland / China / Vietnam / Russia



# KÖZTI CPLC.

KÖZTI Architects & Engineers, the architectural business with the longest traditions in Hungary, was founded in 1949. During its history, more than three thousand people have worked for us.

The company operates five big architect studios supported by specialist studios, including structural, electrical, and building engineering departments.

www.kozti.hu  
kozti@kozti.hu  
+36 1 4872 600  
H-1023 Budapest, Lublói utca 2.

## PRODUCTS & SERVICES

The company provides architectural and engineering complex design of public buildings (hospitals, hotels, theaters, sports halls, stadiums, reconstructions, office buildings, airports, schools, universities, shopping malls), residential buildings, and industrial buildings, from the concept design to the construction drawings.



## ADVANTAGES

The key to the success of KÖZTI is the expertise and dedication of its staff, which includes internationally famous experts with the experience of many decades as well as young and ambitious architects. KÖZTI employs the most excellent experts to make sure that the envisioned buildings of its customers will become a reality in a professional, economic, power-saving way, by capacitating on all the innovative architectural solutions of the 21st century.

## REFERENCES

- Puskás Stadium  
Hungary, Budapest, National Sports Centers  
Project total value: 455.000.000 EUR
- Reconstruction of Castle Garden Bazaar and Buda Castle and Neighbourhood Public Transport Development.  
Hungary, Budapest, Városgondnokság Nonprofit Kft., Budapest, District I. Local Government  
Project total value: 42.000.000 EUR
- GTC White House Office Building  
Hungary, Budapest, GTC White House Ltd.  
Project total value: 31.000.000 EUR

## PRIMARY TARGET MARKETS

China / India / Kazakhstan / South Korea / Saudi Arabia



# POKA3D LTD.

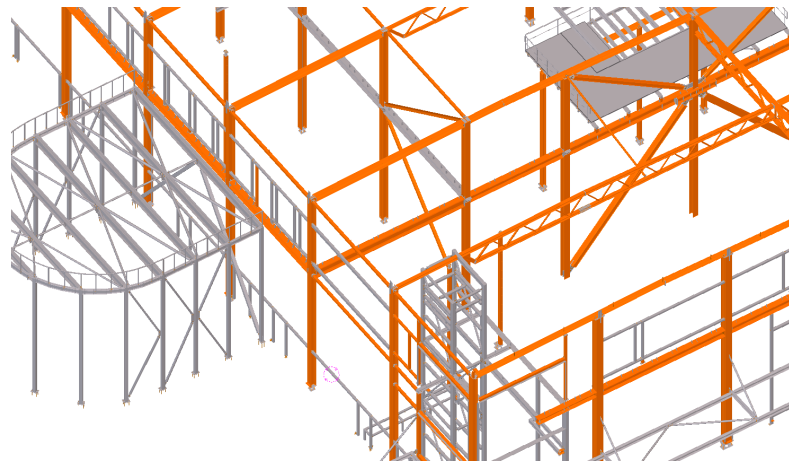
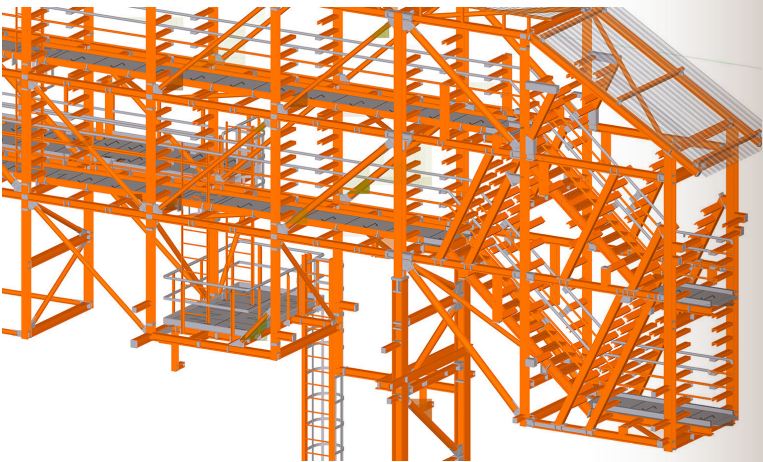
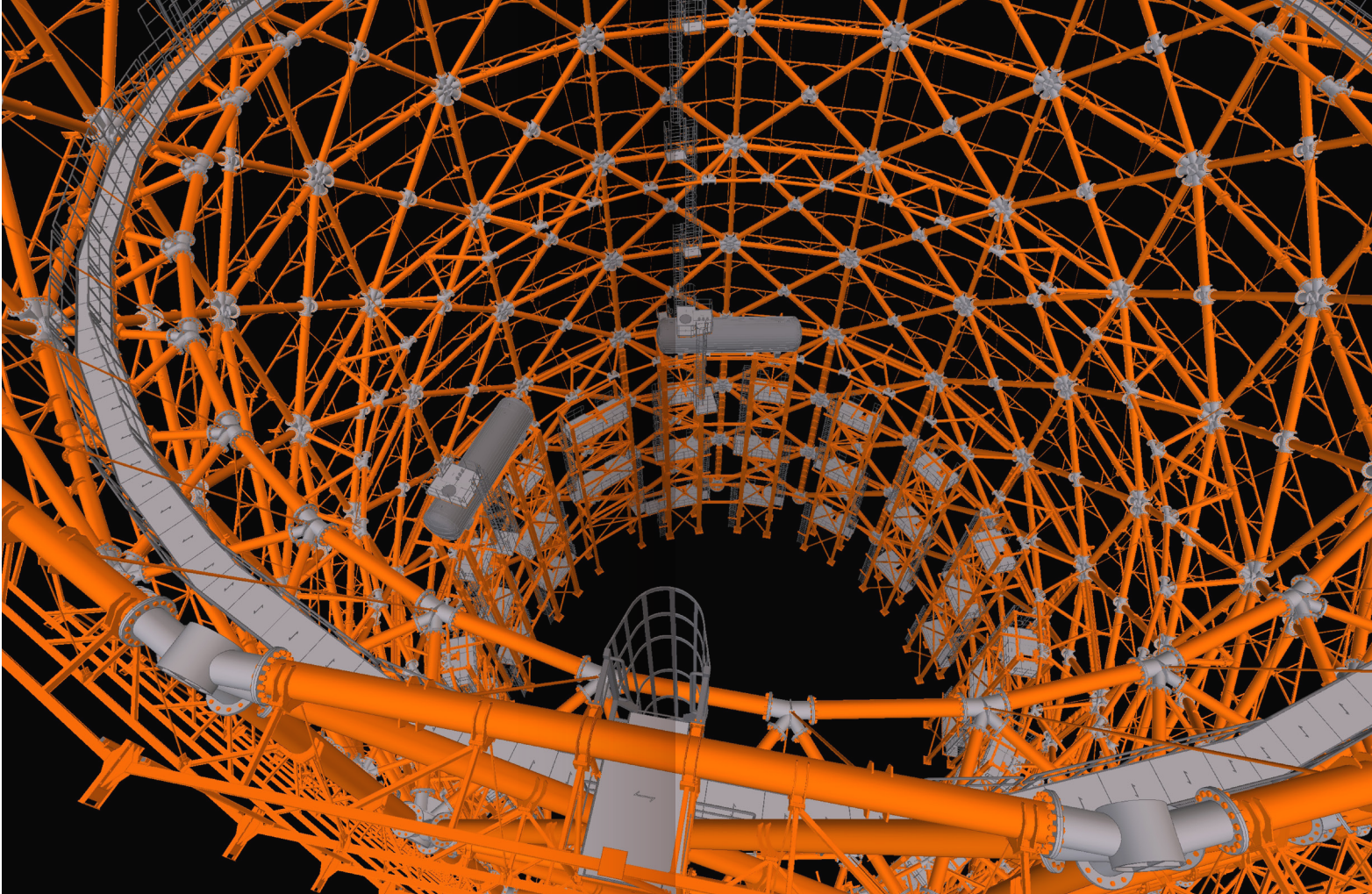
POKA3D is a Hungarian civil engineering company providing specialized engineering services for Structural Steel and RC projects in the areas of Industrial and Commercial Projects, Power Plants, Oil and Gas, Offshore, and Transportation. During the two decades of providing engineering services - established in 1998 by Gabor Poka - Poka3D has completed more than 4,000 projects in over 35 countries. Its projects vary in scope and industry, presenting our steel and RC calculation and design, site engineering, mechanical engineering, and power plant engineering skills. Poka3D is certified for the ISO 9001 Quality Management System standards.

www.poka3d.com  
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+36 30 200 2245  
H-1211 Budapest, Varrógépgyár utca 8-10.

## PRODUCTS & SERVICES

Poka3D has designed important projects in almost every area of engineering, from power plants and high-voltage towers to lattice steel bridges, dams, and roller coaster equipment.

Poka3D provides engineering services in the fields of industrial, offshore, oil and gas, and commercial engineering, including structural calculation, structural steel and joint calculation, structural detailing and design, 3D modeling of steel structures with TEKLA, strength analysis, reinforced concrete design and detail (In-situ and Pre-cast), as well as mechanical engineering.



## ADVANTAGES

Having covered a wide range of engineering tasks in several countries, its engineers' proficiency and vast experience allow Poka3D to execute any civil engineering project of any size, from calculations to detail. The scope of services will be adapted to the given project's specific needs.

Its staff is recognized for their creative problem-solving skills and overcoming engineering challenges large and small in various industrial sectors.

Poka3D has thorough knowledge and numerous licenses of various kinds of software, e.g., Tekla Structures, AutoCAD, Axis, Staad-Pro, Dlubal, Robot, IDEA, Solid Edge, Inventor.

## REFERENCES

**Russia:** Cooling Tower in Sakhalin, Enexio (GEA-EGI), static analysis, Tekla detail modeling Pipe support, Oil Industry, Structural calculation and TEKLA 3D design

**Scandinavia:** Commercial Steel Building, Structural calculation and TEKLA 3D design

## PRIMARY TARGET MARKETS

Germany / Denmark / Sweden / The Netherlands / Belgium



# SINGER DESIGN LTD.

Singer Design's core team consists of architects and designers. Its common ambition - 'creating charisma by design' - results from a more-than-a-decade of mutual self-inspiration and a design philosophy tested by observations and experiences. It is by way of thinking and its unique workflow that the company's core team interacts and leads in every project. Singer Design Ltd. progressively extends the company to be able to participate in international projects. Therefore, they company works in partnerships to provide professionalism, trustworthy advisory, local experience, and capacity.

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H-1137 Budapest, Radnóti Miklós utca 2., 5. emelet

## PRODUCTS & SERVICES

- Development consulting  
conceptual, operational and feasibility consulting and advisory
- Value mapping  
swot research and analysis of the human-, environmental/process, and market features of the location
- Design briefing  
proposal of project theme (purpose), exploitable theme-communicating services, and overall design specifications
- Overall service and brand design  
naming, brand identity design, staff uniform design, F&B



- experience design, sound and scent concept, artwork curation, equipment, accessory design, etc.
- Architectural full service  
master planning, landscape design, architectural design, interior design, furniture design, general engineering
- Operational experience design  
workflow specifications
- Construction site and operational supervision  
control of design criteria



# SINGER DESIGN.

## ADVANTAGES

Singer Design has built its design strategy method on the need for successful developments: to create superior development profitability via sentimental decision making and loyalty on behalf of the customer side.

Local SWOT-based Identity Creation responds to the problems and enhances the site's strength to overcome any competition by shaping the services and design of property development.

## REFERENCES

- Hungary:
- Hotel Grand, 10.657m2 built area, 101 rooms, ~30M EUR
  - Hotel Baron, 12.320m2 built area, 127 rooms, ~40M EUR
  - Hotel Insider, 4917m2 built area, 82 rooms, ~14M EUR

## PRIMARY TARGET MARKETS

UK / Russia / France / Germany/ UAE



# TIBA ARCHITECTS STUDIO LTD.

**TIBA Architects Studio - established in 2005 - provides comprehensive architectural and engineering services. Besides high design ambitions, a professional management structure supports the business strategy of each project. Creative and dynamic professionals with international working experiences bring success to projects ranging in scale and function.**

**Apart from Hungary, the company has designed and completed projects in several European countries, including the UK, the Netherlands, Germany, the Czech Republic and Cyprus. Beyond sensitive response to design challenges, TIBA's strength lies in a professional approach, constructive problem-solving ability, and personalized services.**

**www.tiba-studio.com  
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+36 1 808 9330  
H-1118 Budapest, Bartoniek Géza lépcső 2.**

## PRODUCTS & SERVICES

Service design, architecture, interior design, urban design, master planning, design management, cost management, consultancy, graphic design, design supervision, feasibility analysis, structural engineering, electrical engineering, building services, design management, HVAC and plumbing, cooling, building control, telecommunication, security, fire protection, technology supply, construction engineering, landscape architecture.



TIBA

## ADVANTAGES

Sustainable design using low-emission and energy-efficient technologies and renewable energy or documentation for international qualification systems.

TIBA is ready to provide all its services in the BIM environment as well.

## REFERENCES

- Hungary: Váci Greens Offices, gross floor area: 66 000 m<sup>2</sup>
- Telekom and T-System HQ Budapest, gross floor area: 130 000 m<sup>2</sup>
- Paris Department Store, heritage refurbishment, gross floor area: 9 000 m<sup>2</sup>

## PRIMARY TARGET MARKETS

EU / USA / Japan / Cyprus / China / Canada



# CÉH INC.

CÉH is one of the leading Hungarian engineering bureaus in building and bridge design with more than 30 years of experience. The company offers design and engineering services, project management, and consultation. As outstanding engineering experts in the Hungarian design, building & development market, it strives to increase its international presence by establishing partnerships. With its engineering and development expertise, CÉH brings value and system to the world to build the future.

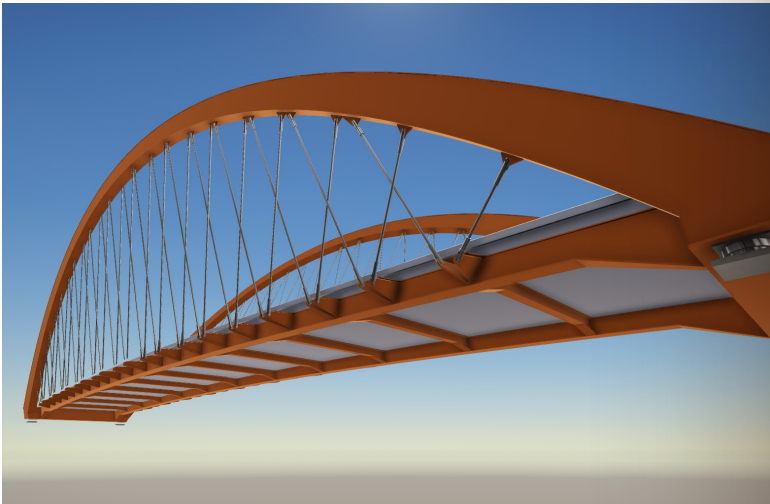
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## PRODUCTS & SERVICES

Its Building Design department undertakes full-scale, architectural, structural, HVAC, electrical design assignments.

End-to-end project management services offered as consultancy or in a package paired with its wide range of design and engineering services. Design of new bridges or reconstructions by CÉH's engineers having outstanding professional experience and knowledge, supported by state-of-the-art software tools.

CÉH has completed multiple 3D-laser scanning surveys and modeling projects including the scanning and modeling of the Hungarian State Opera House.



## ADVANTAGES

In bridge design, CÉH acts as general designer responsible for all engineering disciplines. It provides complex engineering solutions in building design by having all disciplines (architectural, structural, mechanical, and electrical design) in the house. At the same time, its long-term partners deliver secondary and auxiliary services.

For the company's development projects, it strives to recognize and understand the business angle and goals of its client, which allows CÉH to utilize on its capital of economic, business, and legal knowledge.



## REFERENCES

Structural design of a 55-meter span pedestrian arch bridge with composite deck. Subcontractor of Sweco Infra & Rail. Vanhankirkonsilta (Hyvinkää, Finland) 2019-2020.

Apollo Tyres greenfield tire factory (Gyöngyöshalász, Hungary), 175.000 m2. Full range of design and project management services 2014-2017. Plant design was created using 3D technology.

Design of hospital: National Health Centre, Baku, Azerbaijan (2011-2014). 4,010 beds, intensive care units (ICU, NICU, PICU), 12 operating theatres, a special unit for burns, an emergency and diagnostic unit, polyclinic (800 patients/day), three operating theatres for one-day surgical interventions, and the associated service units. SIZE: 100.000 m2. Client: MACAZ Construction MMC.

## PRIMARY TARGET MARKETS

Finland / Norway / Sweden / Denmark / Germany



# KÉSZ GROUP LTD.

KÉSZ Group is one of the largest construction companies in Hungary. Its successful international expansion, market independence, and the sector-shaping role is KÉSZ's main differentiators among the domestic competitors.

KÉSZ aims to become one of the leading companies in the CEE region, achieving international success as an independent Hungarian group of companies that, thanks to their background and spirit, represent its domestic values across borders.

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kesz@kesz.hu  
+36 1 4766 500 / +36 1 4766 900  
H-1095 Budapest, Mester utca 87.

## PRODUCTS & SERVICES

KÉSZ's Engineering & Technologies Division includes the group's major engineering activities, from designing and executing buildings to manufacturing steel structures, vessels, and reinforced concrete structures.

The company's diversity is proven not only by the broad range of references but also by its innovative solutions and the continuous renewal capability.



## ADVANTAGES

Thanks to its broad portfolio of services and its resources, KÉSZ can effectively respond to the emerging construction and economic needs of the service, not only in Hungary but also in international markets.

Through the design, implementation, and operation, all the related tasks are carried out by the company's group members.

KÉSZ's key advantage is its knowledge and the consistently delivered can-do attitude.

## REFERENCES

Romania: general contractor of "NYMPHAEA" Thermal Wellness Center

Ukraine: Jabil Ukraine, general contractor of the II<sup>nd</sup> phase of a microelectronics manufacturing factory

Hungary: general contractor of Budapest Airport Pier B molo

Hungary: production and assembly of the Steel Roof of Puskás Arena

## PRIMARY TARGET MARKETS

Germany / Russia / Ukraine / Serbia / Romania / Hungary



# LES ILDZSAS CPLC.

As a Hungarian family-owned company, Les Ildzsas's primary target is to provide its customers with first-class construction work on time and with maximum flexibility.

Teh company's core business is constructing industrial buildings (halls, warehouses, factories, offices) in general construction, whether it is a greenfield investment, a renovation, or an expansion project. Les Ildzsas works with its team of professionals on projects worldwide; its management checks the condition of the work processes on-site daily; this is the guarantee for the planned, timely, implemented quality work.

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H-2120 Dunakeszi, Fóti út 45.

## PRODUCTS & SERVICES

The company's activity covers the full implementation of industrial, commercial, and residential projects, whether it is a complete renovation or a greenfield investment.

Renovation of buildings from structural construction, through professional work to internal construction work, performing mechanical and electrical installation work. If necessary, Les Ildzsas can also undertake the construction of the external utility, roads, and environment, landscaping works.



## ADVANTAGES

With its 30 years of experience in the construction business, Les Ildzsas's primary consideration is to provide its customers with first-class construction work by meeting deadlines and with maximum flexibility. The company works with its highly qualified team of professionals on its projects throughout the country. Its management checks the condition of the work processes on site on a daily basis, thus guaranteeing the planned, timely implementation and the undertaken quality.

## REFERENCES

- Hungary: Budapest ÁNY Security printing house, 500 million HUF
- Hungary: nationwide MÁV-HÉV, hall renovation, construction, 300 million HUF
- Hungary: Nagyoroszi Knaus Tabbert hall construction, reconstructions renovations, 400 million HUF
- Slovakia: municipal public buildings heat and waterproofing, 200 million HUF

## PRIMARY TARGET MARKETS

Slovakia / Romania



# WEINBERG 93 ÉPÍTŐ LTD.

Weinberg 93 Építő Ltd. is one of Hungary's leading innovative structural steel manufacturing, installing and general contracting company. Its market share is steadily growing for more than 25 years, and the volume and complexity of the company's construction and construction activities are also increasing year by year. Weinberg's main activity is general construction and fabrication of steel structures. The company pays special attention to exploring the needs of its partners, to provide tailor-made service and to offer cost-effective solutions, from design stage till the end of the warranty period.

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H-3950 Sáropatak, Malomkőgyár utca 7.

The company's 12,500 m<sup>2</sup> structural steel fabrication plant is equipped with state of-the-art automated production lines, drilling and cutting machines, high-performance welding stations and surface treatment facility. Its steel fabrication production capacity is up to 8000 tons/year and Weinberg also has a 400 m<sup>2</sup> thin sheet bending plant. The company's 3000 m<sup>2</sup> painting area is equipped with 5 floor extraction system with active filtering modes for solvent type and water based paint systems and for fire retardant coatings.

Laser Cutting: Weinberg uses Mazak Fabri Gear 400-III laser cutting machine, which not only cuts the profiles but also prepares the joints of the components for welding. It can cut pipes up to 410 mm dia, sections up to 300x300 mm overall size, H beams, I beams, L sections, rolled or specially bent profiles with 3D tilting laser cutting head.

Machining: The company uses Skoda FCW150 CNC controlled horizontal boring and milling machine, equipped with a magazine of 60 tools. The maximum load capacity of the rotating bench is 25,000 kg and also has X, Y, Z, W axis direct measuring system. Working range: 13,000mm x 3,000mm x 1,900mm.



## PRODUCTS & SERVICES

As a general contractor, Weinberg undertakes the overall construction of steel and reinforced concrete buildings and halls from design to turnkey delivery. The company's own construction equipment, permanent subcontractor base, experienced construction managers on site assist to execute out the projects smoothly.



## ADVANTAGES

Weinberg offers constructive cooperation to its customers as early as in the in the design phase. With its professional experience, the company supports and helps to realize their ideas. It provides a financial and professional guarantee for its work from design to the end of the warranty period. The facilities the company delivers are cost-effective and economically sustainable. The outstanding quality of the steel structures Weinberg fabricates is confirmed by the fact that its orders come from all over the world. The company's references include stadiums, industrial facilities, office buildings, commercial projects and power plants. Weinberg has worked in Germany, Switzerland, Norway, Austria, Benelux and Czech Republic, among others. In addition to its horizontal and vertical drilling and milling machines, a MAZAK 3D laser work centre ensures precise machining of large, individual parts. Its staff and its dedicated team will be glad to meet any further international requests. With Weinberg, quality is not a compromise.

## REFERENCES

Enmech Hungary Kft., electronics production hall and warehouse, 10 500 m<sup>2</sup>

Continental Automotive Hungary Kft., factory expansion, 1 800 m<sup>2</sup>

## PRIMARY TARGET MARKETS

Norway / Germany / Switzerland / Czech Republic / Benelux



# FALCO CPLC.

Since the company’s founding in 1939, FALCO continuously grew, invested and developed own activities in wood industry over the years. One of the key moment in FALCOs’ development was joining to Kronospan in 2007: the company not just invested in FALCO, but also brought know how and state of the art technology, modern organization, new markets and an entire new approach of the business. With a passion for wood, FALCO’s team consistently brings forth innovative ideas for new products. The company’s management is proud of its well-known principle: “innovation is our tradition”.

www.falco-woodindustry.com  
office@falco-woodindustry.com  
+36 94 516 600  
H-9700 Szombathely, Zanati út 26.

## PRODUCTS & SERVICES

FALCO offers a wide range of options of innovational solutions, when it comes of wood-based panels. Its product range includes a variety of particleboards, fiberboards, mirror and acrylic gloss boards, HDF boards, worktops, laminates, compact boards for interiors and exteriors, BETONYP® Chipboard, OSB boards and other accessories.

The company's service portfolio includes reliable LOVE EXPRESS stock program, marketing tools for promotion, technical support, giving insight into production and technology for end-users and optimized transportation to customer sites.



## ADVANTAGES

The biggest advantage of FALCO is the Kronospan background. Kronospan has specific key competitive advantages, such as market coverage with dual-brand strategy, asset quality and vertical integration, a competitive cost base and a highly educated team of experts. FALCO places special emphasis to match the high technical and environmental standards in compliance with local legislation. The company pays special attention to low emissions, state-of-the-art processes and filter technology, focusing strongly on achieving a sustainable and circular economy, because environmental responsibility plays an important role in its operations.

## REFERENCES

Trade Partners: big furniture industry producers, DYI-s, wholesalers, retailers and project companies.

Projects: Hotels, TV Shows, Fairs, Shops and Studios

- ROMANA Beach Resort\*\*\*\*- rooms - Makarska, Croatia
- Z-ROX- Office of The Year 2018 (Top 3) - Szombathely, Hungary
- Super 8 \*\*\* Hotel – rooms, public areas - Dresden, Germany

## PRIMARY TARGET MARKETS

Italy / Poland / Germany / Austria / Czech Republic



# GRABOPLAST FLOOR COVERING MANUFACTURERS LTD.

During more than 110 years of its existence, Graboplast Floor Covering Manufacturers Ltd. has become a leading special floor manufacturing company. The Hungarian-owned group of companies has four factories on three locations across Győr, Kecskemét, and Tatabánya, and more than 90% of our incomes derive from export markets.

The products of Graboplast are made with the most advanced technologies and are exported by the company employing nearly 650 heads to more than 100 countries of five continents.

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+36 96 506 154  
H-9023 Győr, Fehérvári út 16/B

## PRODUCTS & SERVICES

The range of products made by Graboplast has significantly changed during the recent decade. The company concentrates on special floors of high benefits developed in-house such as commercial, show, sports, and transport floors and the manufacturing of residential floors.

The company's latest developments are LVT, SPC, and homogeneous sheet vinyl among its wide selection of indoor vinyl and parquet floors. Be Graboplast's partner and get familiar with the continuously expanding range of its world standard products.



## ADVANTAGES

If there is a key to a more-than-110-year-old company, then it is adaptability, innovation, and ongoing work. Graboplast's experienced R&D team is continuously developing new products and innovative technical solutions. Its patented manufacturing processes allow Graboplast to create unique product features. Among the vinyl flooring manufacturers, the company was the first who has switched to fully phthalate-free technology. Its floorings are 100% recyclable, and Graboplast can convert them into valuable raw materials incorporated into its flooring production.

## REFERENCES

Las Vegas Lux show floor was used at the 2012 London Summer Olympics  
100 000 EUR

Graboplast is a TIER1 transport flooring supplier of the bus supplier for the 2014 Sochi Winter Olympics  
1 000 000 EUR

Ministère de la Défense (Pentagone Paris Ballard)  
70 000 EUR

## PRIMARY TARGET MARKETS

Austria / Germany / Poland / Sweden / Denmark



# MIXTURA LTD.

Mixtura Ltd., which produces and trades with building materials, is located in the northern industrial zone of Veszprém, Hungary. The private business has been successfully on the market for more than 25 years as a producer of building materials and a professional representative of technical products. Constant research and development activities and innovative potential ensure our products’ continuous renewal. Constant research and development activities and innovative potential ensure its products’ continuous renewal.

The company's competitiveness and steady market position helps Mixtura establish an excellent QPR in its services. The main principle in its operation is order and thoroughness, which, paired with an appropriate professional technological and technical background, results in the company’s stable growth. Mixtura always pay attention to its partners’ unique needs, and with its flexibility, the company strives to satisfy individual customer needs.

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+36 20 365 8101  
H-8200 Veszprém, Házgyári út 14.

## PRODUCTS & SERVICES

Mixtura Ltd.’s product line includes facade and plinth plasters, primers, exterior and interior wall paints, insulation systems, industrial floor coverings, innovative, previous roads and pavements and special additives, such as UV Protector or HC products.



## ADVANTAGES

Thanks to continuous innovation and development, the company offers its customers 100% waterproof, environmentally friendly, long-lasting pavements. Mixtura's solutions provide a unique and exclusive look both indoors and outdoors. They offer an excellent solution in the fields of park construction, landscape architecture, framing of tree trunks, parking lots and community spaces.

The Mixton pavement is resin based stabilized gravel pavement with water and air permeability.

The Stabilizer® is an organic powder based crushed gravel pavement. It can be used without any restrictions at the area of landscape conservation and water conservation.

## REFERENCES

Mixton – Budapest, Olympics Park  
Mixton&Stabilizer – Balatonfüred, Tagore Promenade  
Stabilizer – Budapest, Kossuth Lajos Square, Hungarian Parliament

## PRIMARY TARGET MARKETS

Serbia / Slovakia / Romania / Ukraine / Croatia



# AGM BETON CPLC.

AGM Beton cPlc. was founded in 1997. The company produces reinforced concrete pipes on its production site. It has significant construction activities using its pipes and other precast reinforced concrete products in both the Civil and the Structural Engineering areas. Thanks to its very high innovation potential, it is the manufacturer of reinforced concrete products in Europe's highest available quality; its reinforced concrete products have been sold in in four European countries and another five countries overseas.

www.agmbeton.hu  
info@agmbeton.hu  
+36 29 610 460  
H-2200 Monor, Kűlterület 0100/8. hrsz.

## PRODUCTS & SERVICES

ROCLA pipes are ideal for constructing because of the low pressure and gravity sewers, road and railway water culverts, vertical shafts, wastewater and rainwater pump shafts, shutoff shafts, oil and grease traps and wells. The uniquely designed reinforced concrete products are meeting all special requirements.

The products are suitable for the construction of water towers between 100-1 000 m³, telecommunication transmission towers, large shafts made of segments with an inner diameter of 4 64 m, panel line for hall roofing, water reservoirs up to 1,000 m³ and wastewater pump stations.



## ADVANTAGES

Rocla technology: a combination of spinning and rolling procedures (in short) resulting in high quality, wear-resistant pipes with a smooth inner surface, where no further processing is required. Guaranteed water tightness.

Water and Telecommunication transmission towers: Using precast structures increases lifetime, requires shorter installation time, cost-efficient. No scaffolding is required.

AGM possesses several patents that can be used both in the Civil Engineering and Structural Construction fields.

## REFERENCES

Ericsson Sweden: Telecommunication transmission towers transported and built-in Sweden, Saudi Arabia, China, India, Egypt, and Sudan between 2008-2012.

Sade Hungary: Jacking pipes transported to Romania around 2013.

Water towers between 100-500 m³ built for several Hungarian partners at various locations in Hungary since 2015.

## PRIMARY TARGET MARKETS

Serbia / Croatia / Slovakia / Romania



# BUDAPEST WATERWORKS CPLC.

Budapest Waterworks, besides supplying 2 million people with healthy potable water or sanitation services in Budapest and its conurbation area, also operates the Budapest Central Wastewater Treatment Plant state-of-the-art, environmentally-friendly solutions.

As a company more than 150 years old, Budapest Waterworks believes that the best solutions are always tailored to a particular situation. It selects the technology most suitable for local circumstances at all times, offering its clients good value for their money without concealed costs.

[www.vizmuvek.hu/en](http://www.vizmuvek.hu/en)  
[international@budapestwaterworks.hu](mailto:international@budapestwaterworks.hu)  
+36 1 247 7777  
H-1138 Budapest, Váci út 182.

## PRODUCTS & SERVICES

Budapest Waterworks designs - and partially implements - its investments using the company's capacities and involving subcontractors, while it also participates in more and more external assignments around the world. The company has construction experience in water infrastructure developments as well. Its mobile water purification systems are usable both for shorter and longer periods of time. On the consultancy side, Budapest Waterworks is ready to share its experience with water utility companies or operators in various operations and processes, programs (FOIPs), developing mid- or long-term investment plans for service areas.



## REFERENCES

**Indonesia** – Construction of water treatment units (with a capacity of 72 m³/h or 144 m³/h) in 36 locations.

**Sri Lanka** – Rehabilitation and expansion of two water treatment plants supplying the capital city with potable water. Kalatuwawa plant was extended from 71,000 m³/d to 90,000; whereas the Labugama plant to 40,000 m³/d to 60,000 m³/d.

**Albania** – Technical assessment of the Tirana Water Supply and Sewerage Utility (UKT) evaluating the sewage and drinking water network and treatment plant, formulation of development proposals to improve the technical quality of service.

**IAWD** – World Bank – Elaboration of business and long-term development plans for water utility companies in the West-Balkans, focusing on customer services, revenue collection, and non-revenue water reduction.

**Azerbaijan** – Introduction of an electronic workforce management system, design and technical supervision of two potable water reservoirs, preparation of the ten-year IT strategy of the state-owned water utility company, AZERSU.

## PRIMARY TARGET MARKETS

Colombia / Albania / Montenegro / Serbia / Russia

## ADVANTAGES

Budapest Waterworks has extensive experience in 24/7 potable water supply and wastewater services, enabling the company to bring the 'operator's edge' in its projects. The company has been consolidating knowledge for more than 150 years. Being system integrators, Budapest Waterworks is not committed to any supplier or producer, which makes it possible to recommend the most suitable solution without hidden constraints. Budapest Waterworks believes in tailor-made solutions, so the company always provides its clients with a solution that best fits their unique conditions.



# NYÍRLIFT LTD.

The company is a supplier of various metal products for multinational companies. Nyírlift undertakes contract manufacturing of metal products in small, medium and large series production, from unmachined metal products to laser cutting, bending, cutting, fitter's works, surface finishing as well as packaging and delivery. The company's current general activities include sheet metal working, laser cutting, CNC edge bending, CNC cutting, custom metal construction and locksmith work. Beyond the standard black sheet, stainless steel or galvanised sheet, the products to be machined may be more unique as well.

www.nyl.hu/en  
gyartas@nyirlift.hu  
+36 70 676 9084  
H- 1036 Budapest, Lajos utca 74-76. IV. emelet

## PRODUCTS & SERVICES

The company is the biggest independent elevator distributor in Hungary. Nyírlift deals with all well-known brands, including Thyssenkrupp, Hyundai, Orona, Wittur, Kleemann, Metron, BKG, Geda, Hydral.

Nyírlift can implement the most extreme demands due to its manufacturing capacity, whether it be a unique panoramic round lift or a goods lift exceeding a capacity of 10,000 kg. The portfolio includes panoramic elevators, freight elevators, home lifts, small freight elevators, escalators and moving walkways.



## ADVANTAGES

Complete production of small and large series of products from flat sheet metal to surface treatment, quality control and packaging.

In case of a large series order, Nyírlift is ready to extend its machine park with the suitable single-purpose machine or tool in the service of a long term business relationship.

## REFERENCES

Nyírlift ensures maintenance and remote monitoring of elevators in accordance with the regulation throughout the whole area of Hungary. The company undertakes to perform elevator maintenance and operation in each European Union country bordering Hungary.

- WITTUR s.r.o. Krupina – total project value: 800.000 EUR
- Sematic Hungary Kft. – total project value: 738.090 EUR
- MST Engineering Kft. - total project value: 83940 EUR
- MSK Hungary Bt. -total project value: 164.740 EUR

## PRIMARY TARGET MARKETS

Germany / Russia / Ukraine / Serbia / Romania / Hungary



# WM SYSTEMS LLC.

As a leading European IoT & IIoT developer company, cellular IoT is in WM Systems' DNA. The company provides future-proof industrial IoT devices and managed data services.

The company is a renowned IoT, IIoT / M2M developer based in Hungary, with offices in Romania and Slovakia, employing 20 specialized engineers.

WM Systems controls the whole product development process from R&D, design, hardware, firmware and software development to manufacturing and guarantee quality assurance.

www.wmsystems.hu  
intersales@wmsystems.hu  
+36 1 310 7075  
H-1222 Budapest, Villa utca 8.

## PRODUCTS & SERVICES

The high-quality routers, modems, gateways and DCUs are designed and manufactured in Europe. The company has solution for device management as well.

The solutions and services for utility companies, system integrators, energy providers and industrial partner includes smart metering solutions (100% compatible smart meter modems for Landis+Gyr, Itron, Elster / Honeywell and EMH made meters), smart grid solutions (two-way cellular communication devices for a smarter grid) and industrial automation solutions (industrial routers, modems, DCUs and switches).

# WM Systems LLC 5G COMPATIBLE SOLUTIONS

SMART METERING • SMART DATA COLLECTION  
SMART GRID



## ADVANTAGES

Poland: Industrial LTE router development. WM Systems is supplier since 2018, sold 30K+ units.

The Netherlands: CDMA450 router and 4G router for public street lighting switch. The company is supplier since 2016, sold 30K+ units.

Switzerland: 4G, LTE Cat.M/NB electricity metering modem for Elster meters. The company is supplier since 2014, sold 20K+ units.

## REFERENCES

**Poland:** Industrial LTE router development. WM Systems is supplier since 2018, sold 30K+ units.

**The Netherlands:** CDMA450 router and 4G router for public street lighting switch. The company is supplier since 2016, sold 30K+ units.

**Switzerland:** 4G, LTE Cat.M/NB electricity metering modem for Elster meters. The company is supplier since 2014, sold 20K+ units.

## PRIMARY TARGET MARKETS

Austria / Germany / Spain



# Environment Industry







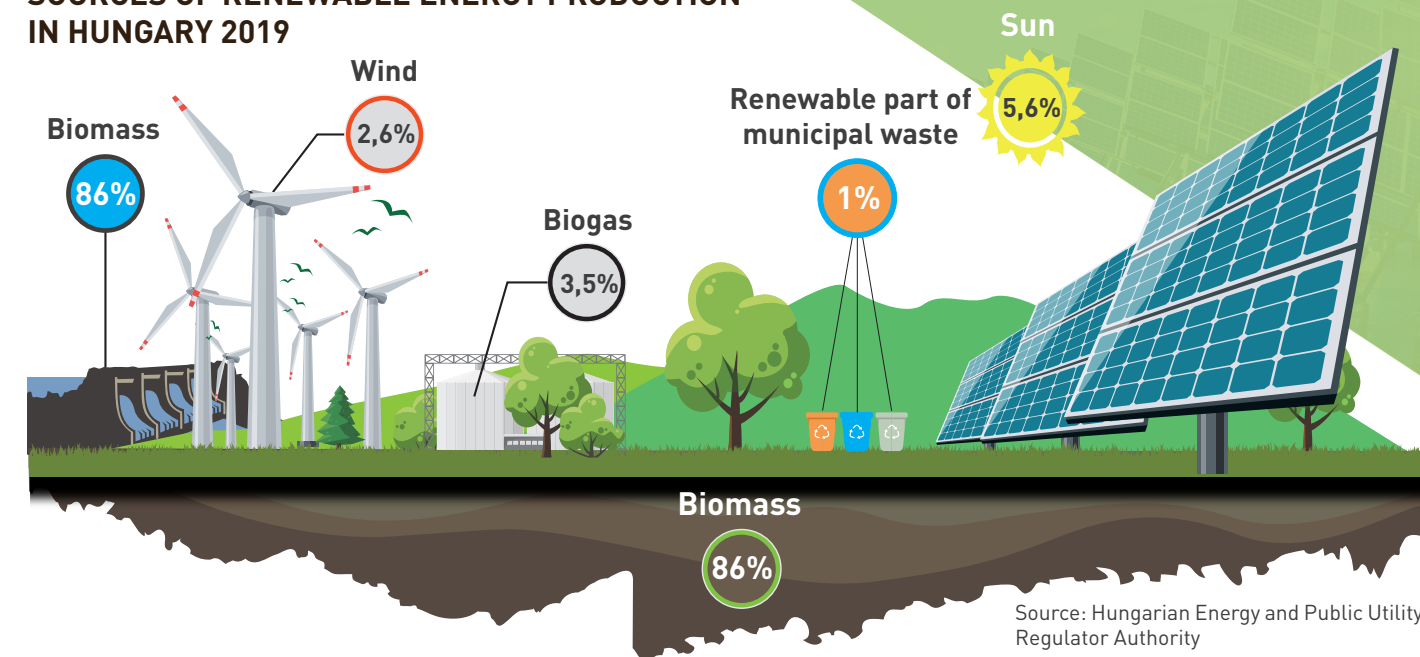
## Environment Industry

One of the most important natural resources of Hungary is water. Hungary is one of the richest countries in Europe both in surface freshwater and in under surface geothermal waters. Within the environment industry another prominent area is the renewable and environmentally friendly energy production. In the last decade Hungary has dedicated significant resources for the development of renewable energy sector. The biggest developments were implemented in biomass and solar-based energy production sectors, so nowadays there are several companies using the most up-to-date technologies. Renewable energy sources provide 13-14% of Hungary's energy production, however, in some periods more than 20% of the energy production was provided by renewable energy sources. Many contemporary technological solutions have been implemented in other areas of the environmental industry in recent years from wastewater treatment through waste recycling to coverage of public utilities of the country's settlements.

Hungarian companies, as the result of the investments and developments of recent years, are able to offer to their foreign partners sustainable, modern and complex systems that can meet the highest environmental requirements. Outstanding areas of the environmental industry: recycling of construction waste, complex flood-protection systems, water and wastewater treatment, renewable energy production solutions for households and municipalities, geodesy, balneology research and well drilling, complex smart-city solutions, and natural disaster management know-how.



## SOURCES OF RENEWABLE ENERGY PRODUCTION IN HUNGARY 2019



The growing competitiveness and the international recognition of the Hungarian environmental industry are indicated by the fact that Hungarian environmental solutions have received prestigious international awards (e.g.: Ethnographic Museum). In recent years Hungary was able to organize several world-class international exhibitions and events (e.g.: Budapest Water Summit), which also indicates that the country is becoming a focal point of the international environment knowledge base network. Hungarian companies nowadays can offer complex environmental solutions of their own, which results in adjusting these technical-technological solutions to the environmental challenges of the 21st century, both in urban areas and in the countryside. The Hungarian higher education, the postgraduate training programs and the country's R&D activities in field of environment industry also contribute to Hungary's forefront position in the world.

Due to logistical and historical reasons, the Balkan and the Eastern European countries are still considered to be primary export target markets for the Hungarian

environment industry. Recently, the geographical perspectives of the industry were broadened as the economically developing and moderately developed regions (e.g. Asia and Africa) also need efficient and unique environmental technologies and know-how. In these markets, however, lower wage levels and quality recruitment must be taken into account in addition to development opportunities. The companies should follow an integrated approach in these regions, so if possible, Hungarian companies should outsource the labor-intensive activities to local entrepreneurs, while simultaneously performing the value-added activities requiring special expertise by themselves.



# KEXPORT CLUSTER

**KEXPORT Cluster is a network of cooperation of Hungarian environmental enterprises, which aims to provide expertise, knowledge, and technology in a wide range of environmental technologies and services on foreign markets.**

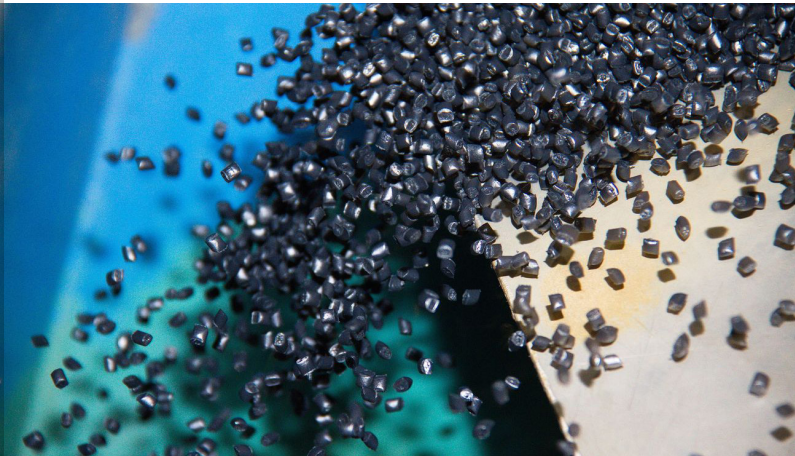
**Cluster’s strategic goal is to create new business opportunities by promoting intersectoral cooperations, exploring foreign cooperation opportunities, and generating projects by joint product- and service marketing and market research.**

**Cluster members focus on introducing know-how, patents, and industrial protection, own industrial property rights, and have implemented several EU funded R&D&I projects.**

[www.kexport.eu/en](http://www.kexport.eu/en)  
[info@kexport.eu](mailto:info@kexport.eu)  
+36 1 350 7271  
H-1024 Budapest, Keleti Károly utca 11/A I/4.

## PRODUCTS & SERVICES

Cluster members offer accredited measuring, sampling (air, noise, soil, vibration, water, waste, wastewater), construction and renovation work at water utilities, microbiological water monitoring, environmental audits, and impact assessments, industrial wastewater treatment, planning, and manufacturing systems for material transport and processing, producing alternative fuel and preparation of biomass and pretreated waste for energy recovery, pre-treatment and recycling of paper, plastic, aluminum and electronic waste, remediation, NO-DIG renovation of pipes, waste management, water loss measurement of water networks.



## ADVANTAGES

By intermediating the cluster members’ different competencies, and by covering the whole environmental sector, KEXPORT can offer solutions for complex challenges. That synergy with an extensive international network of businesses, governmental bodies, and municipalities facilitates consortial partnerships in global tenders and joint participation at international forums and exhibitions with B2B events.

## REFERENCES

A complex study underpinning the rehabilitation of the Vérke canal for the future utilization of the riverbed sediment partially funded by the Water Export Diplomacy Program of the Hungarian Ministry of Foreign Affairs and Trade.

Region: Transcarpathia  
Amount of the project: 60,000 EUR

V4 Cooperation agreement with the waste management clusters in Poland, Czech Republic and Slovakia.

## PRIMARY TARGET MARKETS

**Serbia / Poland / Slovakia / Romania / Ukraine**



# ENVIHORIZONT LLC.

Envihorizont LLC. supports the technological optimization of sewage plants, technological planning of environment and water quality protecting facilities, technical advising, and on-field measuring for environmental monitoring. Envihorizont is active on the fields of climate and environment protection and human healthcare. The company's integrated engineering is designed to support its activity linked with bioenergetics and high specific biotechnology applications to ensure sustainability, the high economic of its fields of activity and projects of integrated climate protecting, bioenergetic, biotechnological and bioindustrial facilities.

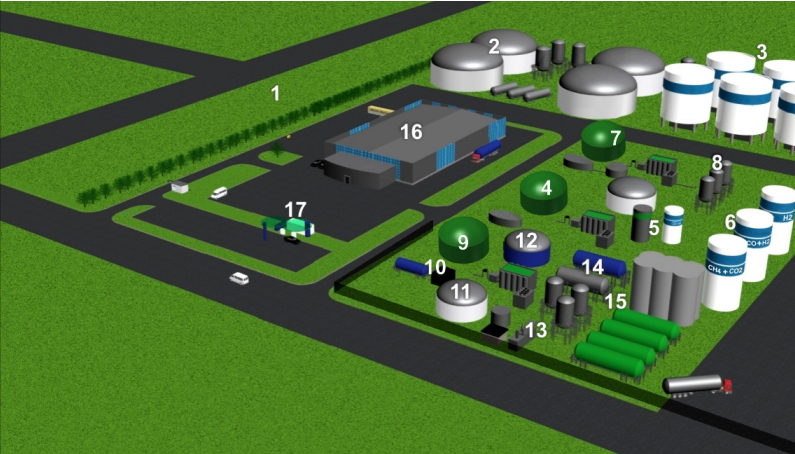
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+36 70 941 3143  
H-7100 Szekszárd, Rizling utca 11.

## PRODUCTS & SERVICES

Integrated R&D&I activity in fields of climate, environmental and health protection, bioenergetics, and biotechnologies.

Envihorizont's specific activities are design, skills and project coordination, oversight of photobioreactors and complexes, on-field measuring and testing, as well as technology control and optimization.

Envihorizont's microalgae technology is ready to be challenged industrially and to verify itself since the company can provide turnkey, optimal solutions (including licensing and the optimization of operation). The trainees have the opportunity to participate in Erasmus and Erasmus + programs. The company operates a testing laboratory equipped with fixed and mobile equipment.



## ADVANTAGES

The developments represent the best available technologies on the area of engineering of health-, antiviral-, climate- and environment protection adapted to actual and perspective challenges connected to health and economical restoration from COVID19SARS2 pandemic, all with high economical and energetical efficiency in conformity of circular economicity and sustainability. The fully automatized and remote controlled equipments request reduced area and realise a higher productivity rate compared to traditional ones. The zero carbon and trading efficiency, affordable bioenergy and biofuel production, low water and ecological footprint and preservice with long-term strategies are all important aspects of Envihorizont's operation.

## REFERENCES

Coronavirus Protection Modular Complexes for worldwide applicability, different complexity and sizes, from 1 million EUR to 100 million EUR investment cost

MOL Group Hungary, 60.000-120.000 Nm<sup>3</sup>/d biomethane, 50 million EUR

Multifuels filling stations around the Silk Road and Belt, Xi'An China-Amsterdam NL, 75 million USD, China Central & Eastern Investment Cooperation Fund

## PRIMARY TARGET MARKETS

USA / Brazil / India / Russia / Peru



# KIS ENGINEERING AND TRADING LTD.

KIS Engineering and Trading Ltd. was established in 1990 with six employees and in the last 30 years, it has grown to be an enterprise with more than 200 employees. Today, it provides comprehensive engineering packages, including design, feasibility studies, equipment manufacturing, erection, installation, commissioning, permitting, personnel training, and maintenance.

As customer satisfaction is emphasized in the business policy, only high quality work is acceptable. Since 1995, the company has all the necessary certificates and qualifications, and it has been running an ISO 9001 quality management system certified by TÜV Rheinland since 2003.

www.kiskft.hu  
papp.andras@kiskft.hu  
+36 30 311 6723  
H-3792 Sajóbáony, Gyártelep

## PRODUCTS & SERVICES

In the field of engineering and equipment, Kis Engineering and Trading Ltd.'s service portfolio ranges from static calculations and production and assembly of various products through electrical and instrumental construction to engineering, electrical and instrumental maintenance.

The company also manufactures equipment for the chemical, environmental and pharmaceutical industries, tailor-made equipment and structures, steel structures,



columns for the chemical industry and equipment made of plastic.

Kis Engineering's portfolio also includes design and licensing of stainless steel pressure containers (with a capacity of 50 and 216 litres and a maximum service pressure of 5 bars) as well.



## ADVANTAGES

With 30 years of experience via dynamic technological development, KIS Engineering and Trading Ltd. has operating experience covering its technologies, therefore, the company knows all the day-to-day technological problems, and it can give you strategic advice. It employs more than 25 engineers, the execution is done by experienced staff. Together with its subcontractors, the company can mobilize a workforce of approx. 400 staff. Utilising the help of other members of KISS GROUP, the company is capable of helping its customers on licensing (feasibility studies, applications, lien with authorities, etc.). As a middle-size company, KIS Engineering and Trading Ltd. can combine the flexibility and price advantages of SMEs with the reliability and stability of large corporations.

## REFERENCES

Ge Water and Process Technologies (today SUEZ) - Manufacturing of water desalination equipment

Alpes Environment SARL - Manufacturing and installation of solvent regeneration unit

Evonik - Different manufacturing and installation works

TEVA Pharmaceuticals - Different manufacturing and installation works

## PRIMARY TARGET MARKETS

Central and Eastern Europe / Balkan / Post Soviet Union Countries



# POLYDUCT LTD.

Polyduct Ltd. was established in 1992. Its main profile is rotational plastic molding. The company's unique technology is excellent for the standardized production of wide and heavy hollow plastic bodies with a wide variety of shapes.

Polyduct Ltd. is looking for solutions to the enhancing requirements of environmental protection, water and wastewater management, and the urban world with its wide product range. On top of being a supplier, Polyduct Ltd. thinks of itself as the expert in sectors covered by its products. To maintain its position as the market leader, the company expanded its product and mold planning activities, and mold production. In 2013, the company established a distributing subsidiary in Romania (SC. POLYDUCT S.R.L.), then in Serbia in 2018 (POLYDUCT doo).

www.polyduct.hu  
polyduct@polyduct.hu  
+36 54 480 666 / +36 30 228 22  
H-4181 Nádudvar, Kabai utca 62.

## PRODUCTS & SERVICES

The company, as a Hungarian producer, is a competitive supplier for the water (unique water treatment and system of public utilities), the urbanisation (waste treatment, playgrounds, Streetfitness, furniture for public places, traffic control products) and industrial cooperation (technical development, the implementation for industrial companies) industries.



## ADVANTAGES

Each piece of the final product is important for meeting standards. Polyduct Ltd. is committed to the high quality of its work, which is also guaranteed by ISO certification and an enterprise resource planning system's operation. The company is making an effort to find solutions before problems occur in connection with its products. Polyduct Ltd. is ready to take the initiative, which helps the company be flexible in actions taken whenever the market and business environment changes. The use of its products enable settlements and villages to avoid soil pollution, to facilitate selective waste management and recycling and to operate household sewage treatment systems.

## REFERENCES

- KEHOP-3.2.1-15-2016-00006 project.  
Product: composter  
Value: 2.250.000 EUR
- LINAMAR Hungary Zrt. OROS DIVÍZIÓ industrial cooperation  
Product: plastic parts  
Value: cca. 300.000 EUR/year
- Sc. Fluid Group Hagen Water Industry Romania  
Product: water meters  
Value: cca. 400.000 EUR/year

## PRIMARY TARGET MARKETS

Romania / Serbia / Croatia / Montenegro / Poland



# ARUNDO BIOENERGY LTD.

Arundo BioEnergy is a Hungarian biotechnology company offering homogenous and genetically stable Arundo donax plantlets to be cultivated for raw material to the biomass, biogas, cellulosic bioethanol, pellet, briquette, paper, and furniture industries.

The company is the sole user of the worldwide patented embryogenic cell-based micropropagation technology that allows for the mass production of the high yielding, durable, virus-free perennial energy crop.

www.arundobioenergy.com  
info@arundobioenergy.com  
+36 20 942 4245  
H-1045 Budapest, Berlini utca 47-49.

## PRODUCTS & SERVICES

Arundo donax is commercialized either in the form of the bare root (requires acclimatization) or soil ball (field ready) plantlets, depending on the destination.

The gene bank with 19 different ecotypes allows for optimized plantlet material for mild temperate, continental, Mediterranean, semi-arid, subtropical, and tropical regions, adapted to a wide variety of ecological conditions.

The plantlets are accompanied by acclimatization and plantation know-hows and cultivation and plantation management consultation on request.



## ADVANTAGES

The benefit of Arundo is that it has a lifespan of 25 years with annual harvests already in the first year as a perennial crop. The yield of 50-80 dry tons/ha/year, Arundo, is one of the most competitive biomass sources available in the market. Being a durable crop, it can be grown on marginal lands in regions with long drought periods, potentially requiring minimal agricultural input.

Other advantages: no pollen, no allergen impacts, no G.M.O., no biohazard risks, no pathogens, free of viruses, and not invasive as it has no fertile seeds.

## REFERENCES

- Italy:** Arundo Italy, biogas production
- Spain:** Biothek, power generation
- Mauritius:** Equilibre, power generation
- India:** CleanStar Energy Pvt.
- China:** Lu Lin Fuhai Xiangyang Agriculture Co.

## PRIMARY TARGET MARKETS

UK / France / Italy / Germany / Austria



# PLATIO LLC.

Platio is a Hungarian-based tech company that uses renewable energy and recycled materials to create a sustainable building material. The products can be used wherever conventional solar technologies cannot be deployed. Platio aims to be part of the modern architecture world and pave the way to aesthetic, space-saving, and green power sources. The company is rapidly growing in the international markets: today, it is present in 16 countries with 12 reseller partners.

www.platiosolar.com  
sales@platio.cc  
+36 70 391 4708  
H-1137 Budapest, Katona József utca 41.

## PRODUCTS & SERVICES

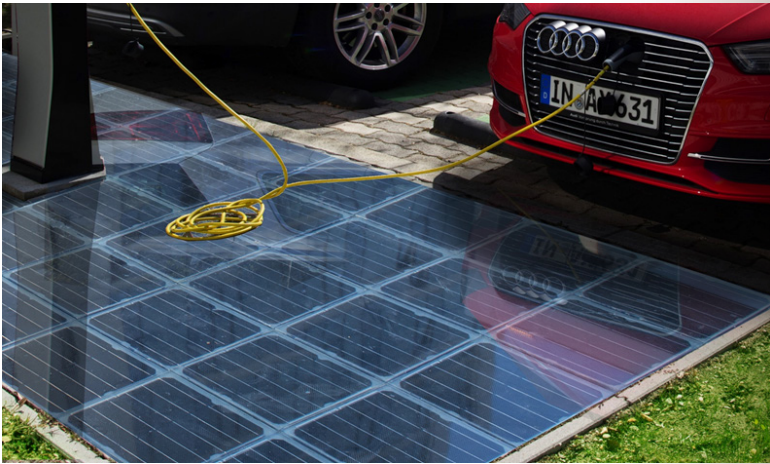
The Platio Solar Pavement is a premium paving module made by recycled plastic, equipped with high-impact glass and high-performance solar cells.

**The product main features**  
dimensions: length/width/depth – 340/340/61 mm

**The solar cells**  
High-performance monocrystalline PV cells, Nominal power: 21,50Wp/pcs (186Wp/m2)

**The high-impact glass tiles**  
Solid, tempered, scratch resistant and slip-proof hardened glass tiles protect the solar cells.

**Recycled materials**  
Recycled plastic waste, durable structure, similar lifespan as concrete.



## ADVANTAGES

Our product is an investment in a renewable energy source that integrates into the corporate environment with its innovative design, and it is an aesthetic alternative to the roof-mounted solar panels.

Our innovative, space-saving, and attractive premium paving module is the best choice to supplement other installed renewable energy sources, and unlike roof-mounted solar panels, Platio Solar Pavement does not have any fire danger. It produces a smaller carbon footprint, making it a perfect choice for environmentally conscious businesses.

## REFERENCES

- Green Mall** – Astana (Kazakhstan), area: 80 m², performance: 13,06 kWp
- Residential home system** – Kecskemét (Hungary), 9,25 m², 1,72 kWp
- Bicycle path** – Gárdony (Hungary), 117 m², 18,43 kWp

## PRIMARY TARGET MARKETS

USA / Germany / Spain / Italy / France



# THERMOWATT LTD.

Thermowatt Ltd. was established in 2007 in Budapest, Hungary, with the aim to implement, manage, and operate systems based on its proprietary invention. Its "Method and Circuit Agreement for Recovering Heat from Wastewaters" has been patented in Hungary, Russia, and Ukraine and granted a patent in further 35 countries by the European Patent Office (EPO). The Thermostat technology was first recognized by the Spanish Aqualia Award for Innovation in 2013 and received the Water & Energy Award in 2014 at the Water-Energy Exchange (W.E.X. Global). It also came in first as Innovator in the Water for Real Estate Sector award in 2015 in Abu Dhabi at the International Water Summit.

www.thermowatt.hu  
info@thermowatt.hu  
+36 23 428 702  
H-1023 Budapest, Árpád fejedelem útja 26-28.

## PRODUCTS & SERVICES

Thermowatt Technology's primary goal is to take out wastewater from the sewer line, direct it to a heat exchanger in a mechanically filtered form and then lead it back to the sewers along with the separated solid particles. The heat energy recovered by heat exchangers is transferred into utility heating or cooling via water/water heat pumps. The system's unique advantage is that the same heating system is applied for both cooling and heating. To operate in the most efficient and energy-saving manner, the system elements are carefully designed, optimized, and harmonized. The technology has also been tested in extremely low and high outside temperatures (-17 °C - +37 °C) and under fluctuating quantity and



quality wastewater conditions. The technology is suitable for water heating systems up to 63 °C and as part of practically any cooling systems. The system is ideal for larger energy demand buildings (1 M.W. and over) where major wastewater flows are available (city centers, vicinity of sewer networks). Its compact size allows to be built under or above the ground to provide heating and cooling energy all year round. The closed working system does not produce any smell or hazardous waste on the site and saves considerable energy thanks to its high efficiency (C.O.P.) indicators.



## ADVANTAGES

The system can be used in both cooling and heating mode – even simultaneously. Thanks to the fast and easy installation, in relation to geothermal systems Thermowatt's has a significantly lower footprint, and when compared to cooling towers, it has zero water consumption. The system is very easily accessible and maintainable, making city centre installation a possibility. The integrated control system ensures simple and easy supervision (even remotely). The Low operational costs, the efficient operation and no limit regarding the size of the system makes Thermowatt's system an excellent choice.

## REFERENCES

The Hungarian Military Hospital  
Flow of wastewater 480 m³/h

University of Szeged  
Flow of wastewater 136 m³/h

Budapest Sewage Works  
Flow of wastewater 140 m³/h

Budapest, Újpest district the City Hall  
Flow of wastewater 250 m³/h

## PRIMARY TARGET MARKETS

Balkan Region / Turkey / EU / Southeast Asia



# BDL LTD.

BDL is committed to offer personalized, systematic solutions in all aspects of the water industry. Due to BDL's diverse professional activities, it considers technical, ecological, and economical aspects to find the most sustainable alternatives, to support the clients in optimal decision making.

BDL has contributed to the development and protection of the aquatic environment in Hungary and in the neighbouring countries.

www.bdl.hu  
info@bdl.hu  
+36 1 224 0670  
H-1118 Budapest, Rétköz utca 5.

## PRODUCTS & SERVICES

Conventional civil engineering-design and implementation focusing on water utilities.

Professional economic planning services facilitate successful investments and efficient operation (Dynamic Cost Comparison, Life-cycle Costing).

Due to its integrated water utility asset evaluation methodology (MIAD software), it is possible to create sustainable and responsible bases for asset management and to optimize the utility service tariffs.



## ADVANTAGES

Professional economic planning services of the company facilitate successful investments and efficient operation.

Developed by its Utility Asset Evaluation department, the Multipurpose Infrastructure Assessment Database, "MIAD" software is a fully integrated, complex system especially prepared for Asset evaluation.

## REFERENCES

BDL has so far evaluated 24,300 kilometers of the water supply network and over 22,400 kilometers of sewer network, the water utility network, and technological facilities, altogether 1,5 million objects of more than 2,000 settlements.

The "MIAD" software and database handled the digital utility mapping files for each settlement and utility sector and suitably supported the above-detailed goals and main principles.

## PRIMARY TARGET MARKETS

Romania / Serbia / Croatia / Slovakia / Ukraine



# ENVIPROG LTD.

The ENVIPROG group has been active in the field of environmental consultancy since 2003. The company has broad experience in preparing, implementing, and operation of complex projects requiring a considerable added value. The main profile of the company is an environmental consultancy. Its strength is collaboration in an international setting. Besides compliance with legislation, in its activities, ENVIPROG facilitates efficient operation even in the planning phase. As a result of its well-performed work, its client acquires all the licenses needed for their operations and can pursue his activities by the regulations.

www.enviprolog.com  
toth.roland@enviprolog.com  
+36 70 214 6417  
H-8000 Székesfehérvár, Honvéd utca 3/A

## PRODUCTS & SERVICES

### Air quality engineering services

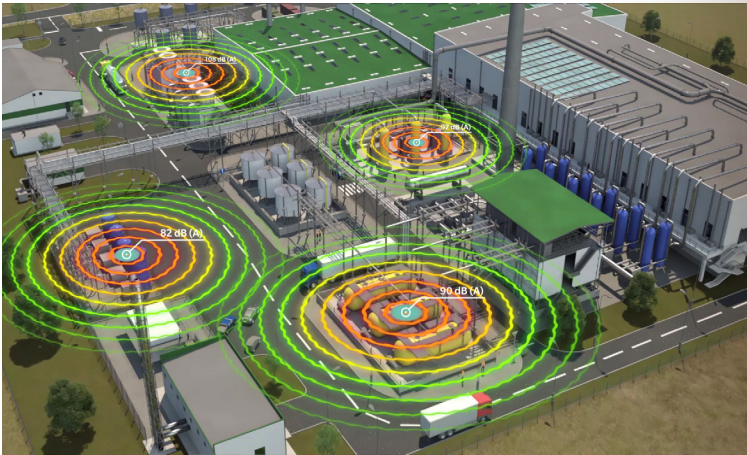
The most frequent task in air purity protection is the determination of the emissions from the activity. Dispersion modeling is suitable for determining the parameters of the sources to be established.

### Noise reduction services

The company arranges the noise sources associated with the activity in a database and produce a 3D noise map. As a result of the noise mapping, the measures necessary for noise reduction may be taken.

### G.I.S. mapping

The exacting depiction of geographic information promotes an easy understanding of the presented results and the evaluation of conformity with legislative regulations.



## ADVANTAGES

ENVIPROG is familiar with environmental technologies, and the best available techniques. Based on its professional experiences, the company can solve air quality and noise emission issues, and it can also optimize the company's environmental expenses.

High-quality IT background and deadline tracking serve as a base for its management system.

The company's continuous availability guarantees reactions and responses to its clients' requests and questions at short notice.

## REFERENCES

- Hungary: SAMSUNG SDI, battery production
- Hungary: Pannonia Bio, bioethanol production
- Hungary: TORAY Group, production of carbon fiber

## PRIMARY TARGET MARKETS

Qatar / Singapore / USA / UAE / China



# HUNGARIAN WATER PARTNERSHIP

The Hungarian Water Partnership, being a network for water and wastewater sector companies and professionals to improve their economic performances in a dynamic and growing international environment, concentrates on water management is regarded as a whole: it is embedded from engineering-design to construction and from consultation to operation and maintenance in the different segments of the water industry. It possesses an outstanding professional and innovative knowledge, which have been known and recognized in many parts of the world, having more than 15 year-long experience in the field of EU funded projects, excellent relationship with different kinds of water-related professional organizations.

[www.hungarianwaterpartnership.com](http://www.hungarianwaterpartnership.com)  
[info@hwc.hu](mailto:info@hwc.hu)  
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H-1118 Budapest, Rétköz utca 5.

## PRODUCTS & SERVICES

Hungarian Water Partnership offers cost-efficient and affordable water and wastewater solutions, such as drinking-water purification, wastewater treatment, stormwater management, water reuse, containerized solutions, leachate treatment and air treatment, as well as consultation, economic planning, financial support and complex solutions.

It supports realization of solutions from planning to operation, and provide partnership, professional cooperation and network on an international level.



## ADVANTAGES

Hungarian Water Partnership contributes to connecting people to share knowledge, experience, and know-how about the most pressing water challenges and innovative solutions. Its goals are to develop, provide, and promote best practices and water-related international frameworks and standards, supporting transitions to sustainable practices to prevent environmental-related water crises.

## REFERENCES

Capacity building, knowledge exchange in China, ASEM Water Seminars, water conferences, professional cooperation.

Drinking water treatment plant in Vietnam  
Capacity: 10,000 m<sup>3</sup>/d serving 100,000 people

Municipal street dewatering in the United States  
Stormwater treatment, oil separation Capacity: 5-10 l/sec/pieces

## PRIMARY TARGET MARKETS

Western Balkans / Egypt / Vietnam / China



# ORGANICA WATER LTD.

Organica Water is a global provider of innovative solutions for the treatment and recycling of wastewater. Over the past two decades, Organica Water has developed a highly imaginative approach to wastewater treatment for urban and residential areas.

Today, Organica is an international company with offices on six different continents. It is the world leader in bringing sustainable wastewater solutions to communities worldwide, with more than 110 facilities in 16 different countries. Organica’s portfolio of wastewater treatment solutions covers the full value chain, from design to facility construction (leveraging the Organica Food Chain Reactor solution) and operations management (focused on its Digital Services offering).

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+36 1 455 8060  
H-1094 Budapest, Tűzoltó utca 59.

## PRODUCTS & SERVICES

For the Wastewater Facility, Organica offers core products and services to enable the construction of a complete WWTP based on the Organica Food Chain Reactor (F.C.R.) facility, which is a type of Fixed-Film Activated Sludge system utilizing a fixed-bed biofilm that grows on both natural (plant) and engineered (patented bio-fiber media) root structures, all housed in a compact, odorless, botanical garden-like facility. The result is a wastewater facility that offers a significantly reduced physical footprint, zero ‘psychological’ footprint, and lowers operational and infrastructure costs compared to other activated sludge-based wastewater treatment solutions.



Organica’s offering for Operations Management pulls together its expertise in process design, bio-kinetic modeling, and analytical sensors/instruments with Digital Software to help facility owners run their wastewater facility reliably and efficiently, 24/7/365.

Organica’s flexible solutions cover the full spectrum from complete Operations and Maintenance to basic Digital Monitoring, allowing clients to start small and progress as they see the savings.



## ADVANTAGES

Organica's facilities utilize active biofilms on natural (plant) and engineered root structures, all housed in a fully-enclosed, odorless facility.

The result is a solution that offers a significantly reduced physical footprint and lower operational and infrastructure costs when compared to conventional wastewater treatment solutions, all in the form of a pleasant botanical garden-like environment that can be located even downtown.

## REFERENCES

South Pest – Hungary (serves 500.000 people) – Client: Budapest Waterworks, upgrade of treatment plant

MM2100 – Bekasi, West Java, Indonesia (serves 580.000 people), one of the leading industrial parks in Indonesia, upgrade of existing plant

Sechelt – Canada (serves 22.000 people), The Water Resource Center, provisions made to increase capacity and nutrient removal incrementally cover the facility for up to 50 years

## PRIMARY TARGET MARKETS

Egypt / Saudi Arabia / UAE / India / Indonesia



# PURECO LTD.

PURECO designs, builds, operates, and maintains water and wastewater treatment facilities with special devotion and professionalism in the fields of drinking water purification, communal and industrial wastewater and landfill leachate treatment, stormwater management, and air treatment, while respecting site environments, whether it be natural or urban. The company develops optimal and cost-effective, life-long solutions to keep our environment safe, focusing on added value and sustainability. PURECO is an international company with several offices in Central & Eastern Europe, and it is also present in Asia, Africa, and the Middle East.

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## PRODUCTS & SERVICES

So far, the PURECO GROUP has been focusing only on water treatment and management. As during the previous years, a strong need has been emerging for air pollution control, the company's experts have developed the PURECO VENTUS bio-antiperspirant family of product. Starting the development 2-3 years ago, the company tested its products on pumping stations and wastewater treatment plants that PURECO had constructed.

After the first successful tests, the company completed the product range, and now there are five different styled biofilter units using biodegradation for odorous air treatment with biomass. Units are available from the smallest 10 m3 /h to the largest VENTUS that can handle and treat 100,000 m3 /h airstreams. PURECO has a special unit that uses a different purification method: adsorption with activated carbon.



## ADVANTAGES

Unpleasant smells are often associated with industrial activities, especially in municipal wastewater collection and treatment, at wastewater treatment and sludge treatment plants, near sewerage systems, at landfills and composting plants, during the operations of food or chemical industry plants. The VENTUS Biofilter system, using the biodegradability of microorganisms, is an environmentally friendly, sustainable, and safe solution to eliminate the smelly problems. Believing in complex solutions, PURECO offers not only the biofilter system but several optional components such as gas scrubber, dust separator, air distributor (for multi-unit units), and optimization of the operating cost (container units can be individually connected).

## REFERENCES

Hungary: modernisation and reconstruction of the the existing wastewater treatment of Szentendre with Ventus Biofilter containers.

Serbia: Biofilter container in Subotica, odorless waste management.

Hungary: complex industrial air treatment solution with VENTUS C Biofilter for the city of Pécs.

## PRIMARY TARGET MARKETS

Bulgaria / Serbia / Croatia / Ghana / Egypt



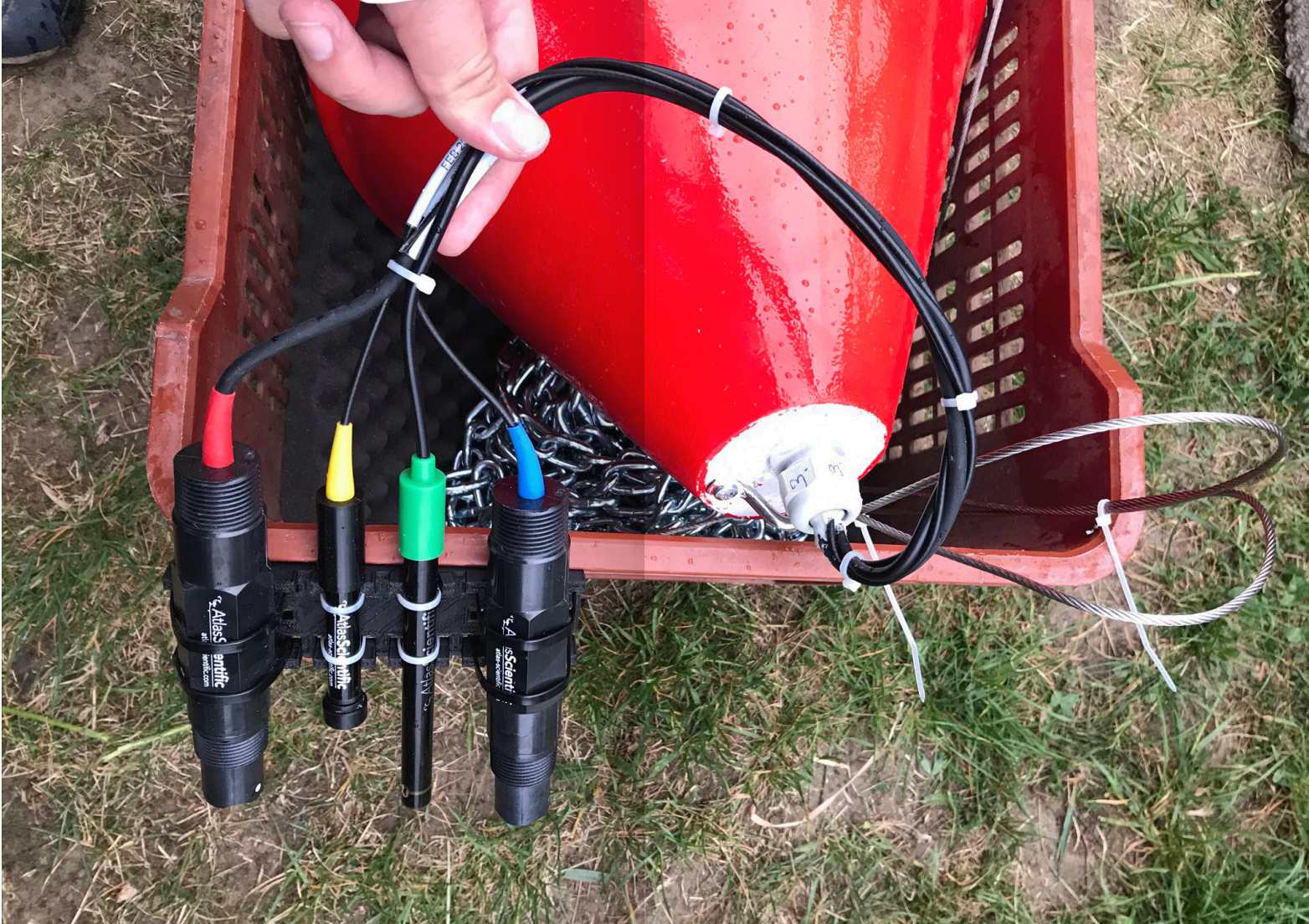
# WATERSCOPE INTERNATIONAL INC.

WaterScope International Inc. is a young but dynamic company operated by experts with more than ten years of water management experience. The team, always searching for innovative technology, actively implements the IoT world's results into the everyday work, and encourages its partners to act similarly. WaterScope International Inc. offers support and state-of-the-art solutions. The company leads national and international projects, harmonizes research, and development. Its projects cover a wide field of water management, quality control, smart monitoring, sensor measurements, and wireless data transfer.

www.waterscope.eu  
waterscope@waterscope.eu  
+36 30 244 8031  
H-8900 Zalaegerszeg, Nyár utca 4.

## PRODUCTS & SERVICES

The Sensors2Net system offers innovative, intelligent solutions: data collection, interpretation, design, and implementation. Whether in tight urban applications or distant rural communities: the sensor data, collected on-site, are transferred wirelessly to any dedicated server. Users can perform AI-aided analysis and make operational decisions regardless of space and time. The result is real-time monitoring, early error detection, water loss prevention, and predictive maintenance vs. preventive maintenance. All this fits seamlessly into existing and newly implemented water management processes alike.



## ADVANTAGES

- Quick and easy installation, without cabling necessity, even on white spots on the map.
- Simultaneous handling of a large number of sensors.
- Low operation and maintenance costs.
- Highly scalable and customizable.
- Coverage over a large area with low power needs.
- Access to data where GSM/LTE service is not available or insufficient.
- Proper bitrate for the sensor data collection on high-security level.
- Server-side data-processing with A.I. aided data analysis.
- Implementing long years of BIG DATA handling experience.

## REFERENCES

Turkey: Izmir, Kemalpaşa industrial zone - control of wastewater flow

Hungary: Lake Maconka - monitoring of lake's water quality, realtime information for fishermen on current fishing conditions

## PRIMARY TARGET MARKETS

Italy / Austria / Germany / Singapore / Korea



# BÁLINT ANALITIKA LTD.

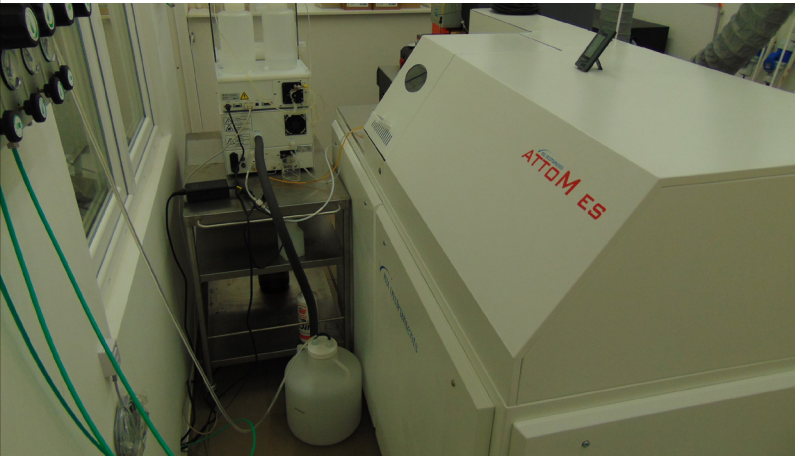
**BÁLINT ANALITIKA** is a 100% Hungarian-owned laboratory, which has been serving domestic and foreign, agricultural, food- and feed manufacturers, distribution companies, industrial plants, and municipal facilities for 25 years.

[www.laboratorium.balintanalitika.hu](http://www.laboratorium.balintanalitika.hu)  
[elismiszer@balintanalitika.hu](mailto:elismiszer@balintanalitika.hu)  
+36 1 206 0732  
H-1116 Budapest, Fehérvári út 144.

## PRODUCTS & SERVICES

### Accredited analytical tests:

Testing of cereals and cereal products, feed, feed raw materials, nutritional values, allergens, vitamins, heavy metals, elements, analysis of pesticides and pharmaceutical residues. Polycyclic Aromatic Hydrocarbons, analysis of toxins and other organic micro-contaminants, microbiological and hygienic testing, accredited sampling, analysis of drinking water, mineral and medicinal waters, surface, and subterranean water, the examination of soil, municipal and hazardous waste, sewage sludge.



## ADVANTAGES

According to the MSZ EN ISO / IEC 17025: 2018 standard, BÁLINT ANALITIKA's laboratory is accredited, and it has the advanced instruments and experts for the analyses. The laboratory has more certifications according to the following standards: MSZ EN ISO 9001: 2015, MSZ EN ISO 14001: 2015, OHSAS 18001: 2007.

BÁLINT ANALITIKA is the only one of the domestic testing laboratories having the status of 'NATO Qualified Supplier,' according to AQAP 2110: 2016.

## REFERENCES

Environmental analyses for all industrial branches, disinfection of industrial plants, cleaning the surface and subterranean waters and soils.

Analyses for the food and feed industry, like milling industry, slaughterhouses, meat production, dairy, bakery, confectionery, beverage manufacturers.

## PRIMARY TARGET MARKETS

Romania / Serbia / Croatia / Slovakia / Ukraine



# BAY ZOLTÁN NONPROFIT LTD.

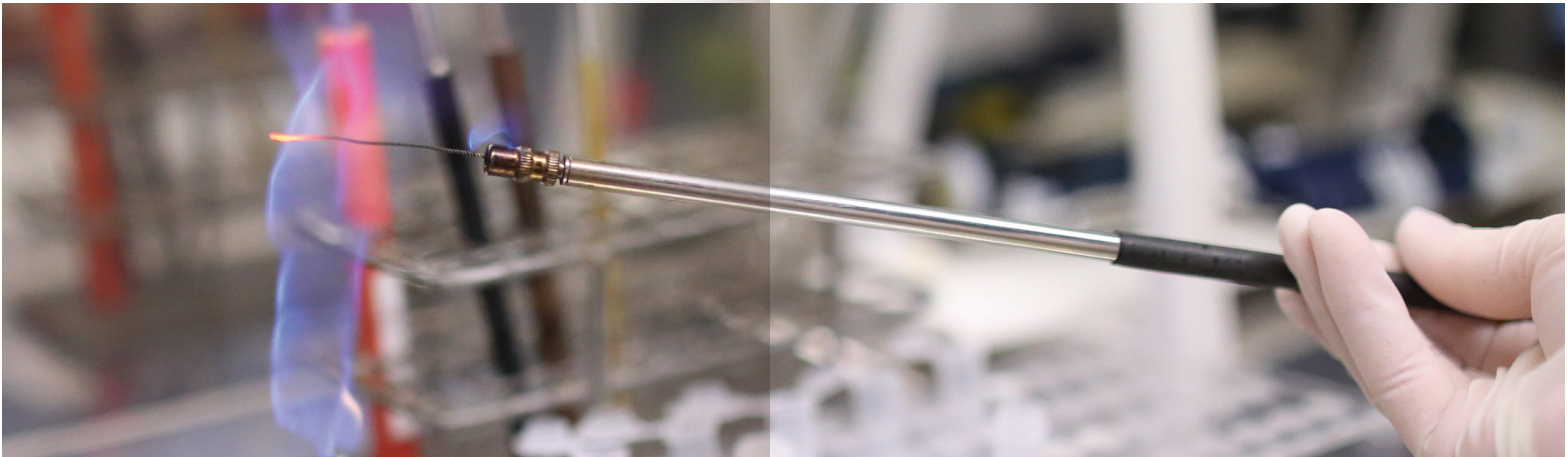
Bay Zoltán Nonprofit Ltd. for Applied Research provides services in innovation and technology transfer. It offers its customers complex scientific and technological solutions in several areas of expertise, devised to enhance their competitiveness. The company also acts as innovation intermediaries through its applied R&D and technology transfer activities.

Bay Zoltán Nonprofit Ltd. can meet the industry's research and development needs from the conception of an idea to its realization. It actively builds international consortia, networks, and EU tenders in R & D and innovation. The company also offers business development services as a technology incubator.

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## PRODUCTS & SERVICES

The company provides services in the field of material and technology development, operational safety, biotechnology, VR/AR, electronics and IT (hardware and software development), material characterisation, logistics and innovation services.



## ADVANTAGES

Bay Zoltán Ltd. actively builds international consortia, network, and EU tenders in R & D and innovation. It offers business development services as a technology incubator. The company has a complex infrastructure system comprising of different laboratories dealing with electrochemistry, environmental protection, fermentation, industrial laser technology, mechanical testing, mechatronics, nanomaterials, non-destructive materials testing, and secondary raw materials. Bay Zoltán Ltd. also runs a Software Centre and a Virtual Reality laboratory.

## REFERENCES

- Developing Ni-based catalyst holder (BorsodChem Ltd.)
- Recovery of secondary raw materials from red mud (Martin Metals Ltd.)
- Recovery of Si from end-of-life solar panels ([www.resielp.eu](http://www.resielp.eu))
- Treatment of non-recyclable plastics (Bara-Q Ltd.)
- Production of innovative brake discs, made of recycled metals ([radiusproject.es](http://radiusproject.es))

## PRIMARY TARGET MARKETS

India / Canada / Russia / Israel / Japan / Germany



# REMAT CPLC.

ReMat cPlc. was founded in Hungary in 1995. The utilization of plastic waste started in 1997, the company's main profile is recycling technological and packaging waste.

As of now, ReMat cPlc. has a capacity of nearly 25,000 tons per year, which makes it the largest plastic waste utilizing company group in Hungary. The company has two locations of production, one in Tiszaújváros, and one in Rakamaz. ReMat cPlc. is utilizing polyethylene and polypropylene packaging waste with modern technology.

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H-3580 Tiszaújváros, TVK Ipartelep 2096/3, 2096/8 hrsz.

## PRODUCTS & SERVICES

The LDPE translucent and LLDPE translucent granulates are fully made of industrial collected waste material. The LDPE light color or black version is made of 60% industrial, 40% selective collected waste material. The P.P. mixed color granulated is made of a mixture of BOPP foils, strapping tapes, geotextiles, etc. The quality of the recycled material is always tested by ReMat cPlc. in its laboratory. Every single case, the company makes foil from the produced regranulate.

Pallets are packed for P.P. granulates in 25 kg bags and transported on stretch-wrapped pallets; net weight is 1,250 kg/pallet. ReMat cPlc. packs them into Q-bags and transport them on stretch-wrapped pallets; the total net weight is 1,300 kg/pallet. Heat-treated pallets are also available if necessary.



## ADVANTAGES

At the company, environmental protection is a daily management task. ReMat cPlc. is utilizing the best technologies available. Recycling waste means less disposal to landfill and less overall harm to the environment.

ReMat cPlc.'s goal is to become its customers' preferred supplier and continuously follow the rising demand in the market. The company continuously strives to meet the demands of innovation, flexibility, customer satisfaction, and the environment, using the best technology available.

## REFERENCES

Hungary: Manitox Kft.  
Slovakia: KORA a.s.  
France: Flexya

## PRIMARY TARGET MARKETS

Ukraine / Russia / Germany / The Netherlands / Denmark



# CONTACT

## INFORMATION

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HEPA

Hungarian Export  
Promotion Agency