

ErgoSynergy Group

ErgoSynergy Group

- a holding company providing a comprehensive range of services and solutions to international clients, while offering smart investment opportunities to its shareholders.
- optimize outcomes and ensure safety through economies of scale by integrating the expertise, experience, and networks of our technology subsidiaries and partners with our core strengths in business development, management, financing, and IPO consulting.

ErgoSynergy recognizes the complexities and instabilities of the global system, which is influenced by geopolitical and economic risks, impacting lives, businesses, and investments.

To navigate these challenges, ErgoSynergy leverages its know-how, innovative thinking, broad network, risk diversification, and investment in real, value-driven opportunities with good safety margins.

As a holding company, ErgoSynergy stands at the forefront of top companies and professionals, with a long history, experience and a track record of successful activities.

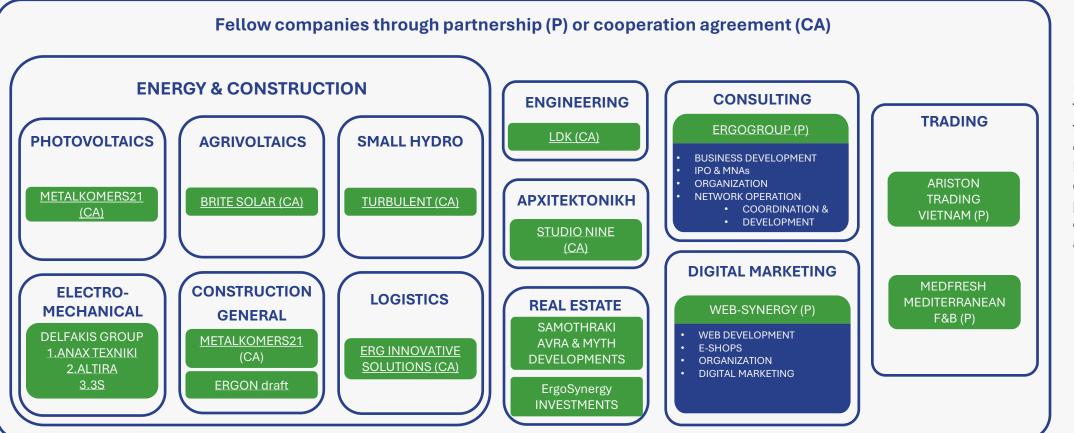
By investing in successful companies, ErgoSynergy secures projects, turnover, and earnings from the start.

ErgoSynergy

Strategy

Ensuring sustainable growth in a world of paradoxical changes through:

- leveraging know-how, experience, established global networks,
- organized, controlled operations, across multiple countries and diverse fields.
- utilizing both traditional and digital platforms for organization, promotion and sales



Note

This diagram outlines the companies connected with ErgoSynergy Group, either through partnership relationship or formal cooperation agreement.

GROWTH AND EXPERTISE

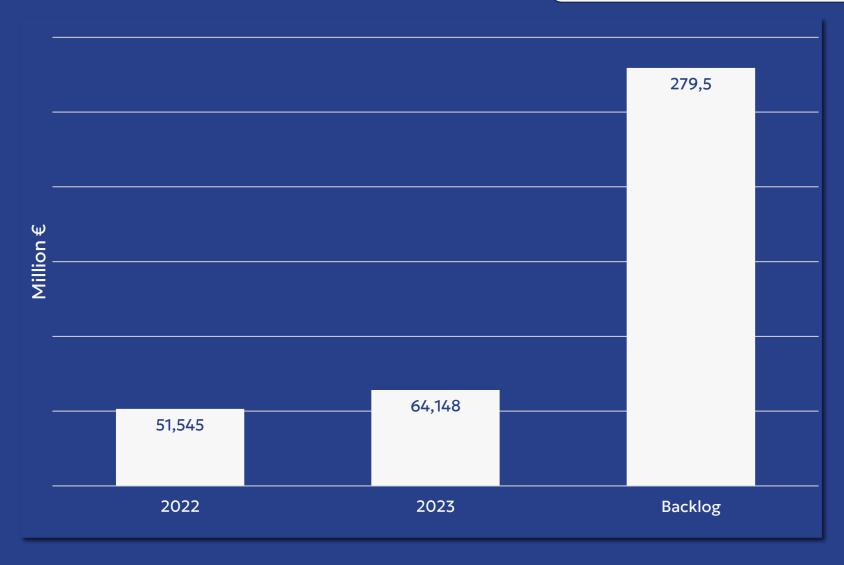
ErgoSynergy Group TURNOVER GROWTH & EXPERTISE



Years of experience 24-56

All member companies or CEOs have at least 24 years of experience in their field

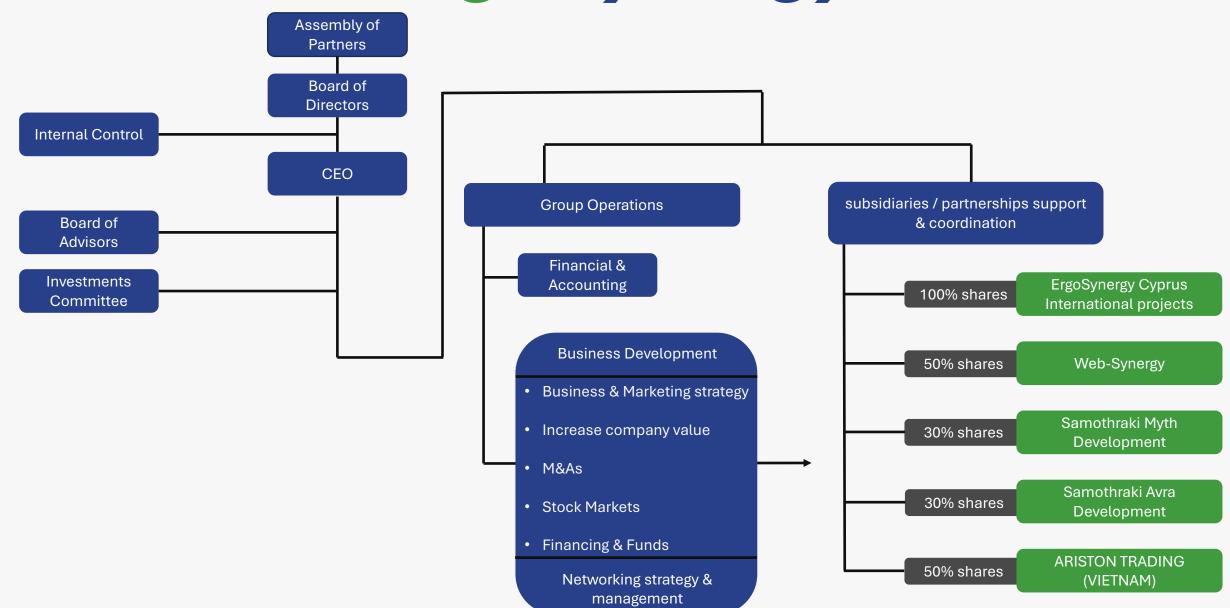




GROUP TURNOVER (million €)

STRUCTURE

ErgoSynergy



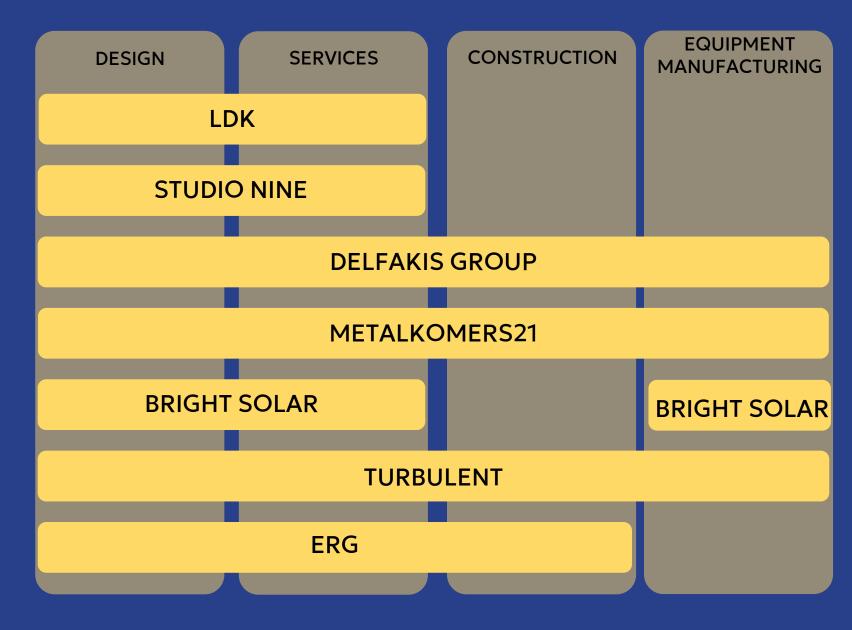
Business & technology partners:



ErgoSynergy Group ENERGY TECHNOLOGIES & SOLUTIONS



ErgoSynergy delivers comprehensive and innovative solutions in the energy sector, combining construction expertise with specialized products & services to meet the demands of complex projects. Acts as a catalyst for coordinating large-scale, that create tangible competitive advantages.



INVESTMENTS

ErgoSynergy INVESTMENTS



member of the ErgoSynergy Group, involves in standard and safe investments, such as REAL ESTATE and ENERGY PROJECTS



Real Estate:

- Property management (buying, selling, renting business or residential projects).
- Full relocation services and investment opportunities.
- Smart distressed property management (engaged properties/NPL recovery), creating opportunities for both investors and owners.

Members of the ErgoSynergy Group involves in REAL ESTATE developments in Samothraki island (Samothraki Avra & Myth PC)

Energy:

- Trading and development of energy projects (photovoltaics, small hydro, small wind turbines, etc.).
- Energy efficiency project studies, implementation, and financing.

Other Investments:

• Participation in business/industrial investments with reliable partners to ensure secure project delivery and payment.

ErgoSynergy INVESTMENTS:

- Leverages ERGOGROUP Consulting's expertise and network in project financing and M&As.
- Collaborates closely with the group's Energy and Consulting divisions for seamless execution.

ErgoSynergy

ErgoSynergy TRADING



Incorporates the companies, experience and the existing networks created by ERGOGROUP and its fellows, such as:

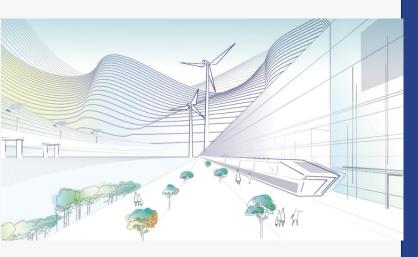
MEDFRESH

Exports the Greek/Mediterranean food, wine, and beverage culture worldwide, building loyal partnerships and supporting them <u>with quality events and training</u>

Ariston Trading Company

- based in Ho Chi Minh City, Vietnam, founded and directed by Mr. George Economou.
 Living in Vietnam since 2010, George holds a Master's in Economics from Zurich
 University and has served as a top manager in various Greek and Vietnamese
 companies. He also owns a chocolate factory in Vietnam.
- Ariston exclusively represents HRK in Greece, an innovative, eco-friendly producer of plastics and packaging. HRK's materials are fully digestible by the environment and even potable by humans, with diverse applications across hotels, agriculture, construction, and product packaging.

ErgoSynergy SERVICES & CONSULTING



The founders and strategic partners of ErgoSynergy have deep know-how and experience in engineering & consulting fields



Technical Consulting & Services

LDK

A leading provider of engineering services in over 120 countries across 4 continents, with offices in 7 countries.

- Engineering & Project Management
- Environment & Socioeconomic Development

STUDIO NINE

One of Australia's largest studios, with a team of over 50 design and support professionals.

Collaborating with ErgoSynergy Group, it serves as a bridge between Australia and European countries, specializing in:

- Real Estate
- Architectural Design & Construction
- Related Services

Assembly Three (STUDIO NINE department)

The next generation of modular, prefabricated, architecturally designed spaces, tailored to suit any location.

Management & financial consulting

ERGOGROUP

- business development, M&As, IPO consulting
- management (strategy, organization, technological transition)
- financial & financing (& project financing)

REAL ESTATE & RELOCATION, RESIDENCE SERVICES





ErgoSynergy

- Assists individuals in investing in Greece, the Balkans, or other parts of Europe.
- Provides full relocation services, if desired.

Local Presence and Services:

ErgoSynergy establishes offices, antennas, or partners in target countries to streamline:

- Property management, in collaboration with local real estate agencies.\
- Personalized relocation processes and paperwork, supported by local lawyers, accountants, and service providers.

Facilitating Careers and Businesses:

Supports professionals, particularly young people, in finding jobs or starting businesses in Greece, the Balkans, or Europe, through partnerships with HR, business consulting, and training firms.

Community Building:

Encourages the formation of networks and communities among these individuals, fostering collaboration and making it easier for companies to connect with them.

Specialized Distressed Property Solutions:

With extensive expertise, ErgoSynergy goes beyond traditional real estate services, offering tailored solutions that maximize the productive use and potential of distressed properties, benefiting all stakeholders.

Web-Synergy DIGITAL MARKETING & WEB APPLICATIONS





Web-Synergy, a subsidiary of ErgoSynergy, stands out for its strong focus on delivering measurable business results. Its competitive advantage lies in providing top-tier web applications and services that support demanding companies and organizations in achieving business - not just technical - goals.

Both partners and technical coordinators, bring over 20 years of extensive experience in web development, having worked on demanding projects and cutting-edge technologies.

Web-Synergy services:



Web Development

- Fully responsive, bespoke websites
- Dynamic WordPress sites, fast-loading HTML5 mini sites, eShops, Membership sites

Professional Video Production for Digital Distribution

 High-converting videos: Animated characters, explainers, kinetic typography, interviews, cinematic intros/outros

SEO Optimization

- Website optimization, marketing campaigns, branding, social media presence
- Daily care for Search Engine Optimization

Social Media Management

 Building communities and driving growth through strategic social media interaction

Content

Storytelling that drives results.
 Engaging and converting audiences
 with compelling, value-driven content

PPC Advertising

Maximizing clicks while minimizing costs through precision campaigns

Digital Marketing Strategy

 Navigating the digital landscape with a roadmap for success, combining expertise and innovation

B2B Lead Generation

 Targeted strategies to attract and convert high-value business leads

Email Marketing

 Effective campaigns to nurture leads and engage customers through personalized email communication



LDK

long history, expertise, international activities

Since 1968, LDK Group is setting its mark in pioneering and iconic projects in energy, environment, buildings and infrastructure.

With 120 employees, 9 offices across 8 countries in 3 continents, implemented more than 2.900 projects. The Group is a trusted partner of international organizations, such as World Bank, European Bank, EBRD, United Nations Development Projects and investors, multinationals and other companies.

LDK has specialization and large experience in Energy, providing:

- Energy Efficiency Services: Assessing and enhancing energy efficiency and workplace environments using specialized simulation software and detailed studies.
- Energy Audits & Carbon Footprint Reports: Tailored primarily for listed companies.
- Energy Studies, Project Management, and Due Diligence: Alongside a wide range of complementary services to meet complex energy-related needs.

LDK Consultants in Numbers

Pioneers in Sustainability since 1968





CLIENTS



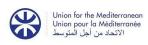






































SECTORS

















STUDIO NINE Based in Adelaide Australia

International architecture company, with more than 50 architects and administrative employees

TRENO Stage 1





Coopers Brewery Visitors Centre



ErgoSynergy



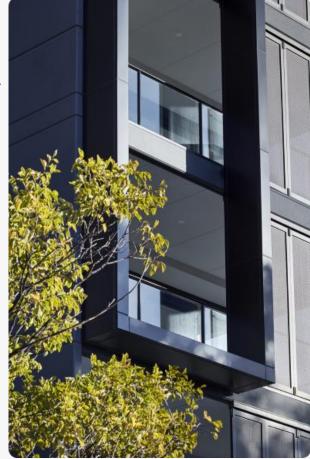
STUDIO NINE Based in Adelaide Australia

Studio 9 specializes in major private and public architectural projects, delivering innovative, practical, and cost-effective solutions

Oracle Adelaide



Bath Hotel Apartments



Adelaide Comets Clubrooms





METALKOMERS21

EXPERTS IN ENERGY CONSTRUCTION / INSTALLATION PROJECTS



Operates in the Balkans and other regions with companies registered in Bulgaria and Greece

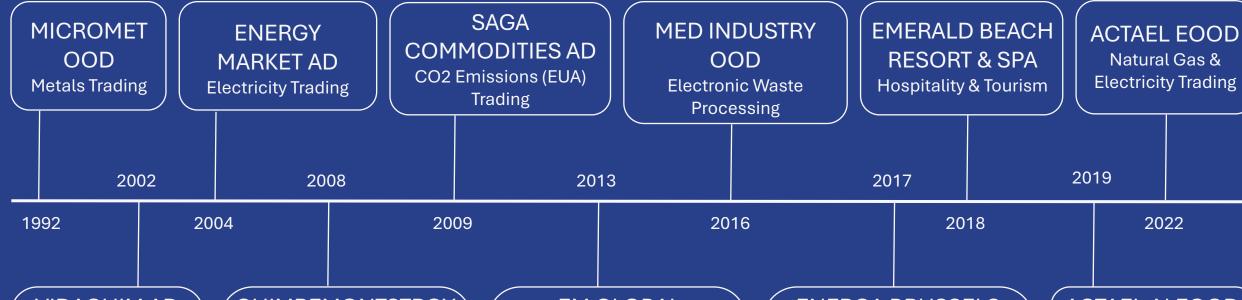












VIDACHIM AD

- Type Protection
- Polyamide Fibers
 Production
- Power generation,
 TPP 60 MW

CHIMREMONTSTROY AD & CHEM AD

- Engineering
- Non standard Industrial Equipment Manufacturing
- Industrial Construction

EM GLOBAL NETHERLANDS N.V.

- Investment Projects:
 Western Europe
- Gas Power Plant 96MW (The Netherlands)

ENERGA BRUSSELS
410 MW CCGT
(Belgium)
TPP SVISHTOV 178 MW
(Bulgaria)

Power Generation

ACTAEL-N EOOD

Transformers
Manufacturing and
Trading

METALKOMERS21

EXPERTS IN ENERGY CONSTRUCTION / INSTALLATION PROJECTS



Demanding PV and hybrid projects





CONSTRUCTION OF ULTRA-HIGH VOLTAGE (UHV) UNITS AND NETWORKS



UHV Plant





EQUIPMENT & MACHINERY









ENERGY STORAGE



METALKOMERS21

Integrated Inverted Booster Unit



Flexible configuration

- Integrated inverter and booster, highly compact
- Improves space efficiency, easier installation
- Modular, configurable power

High efficiency & stability

- 1500V wide range DC voltage
- Multi-branch DC design prevents battery looping currents

String PCS Station (HPPS Series)



- Rack-level management for batteries to address the issue of circulating current in parallel connections
- Modular design to prevent single point of failure
- Use of the three-level technology to achieve a maximum efficiency of 99%
- Strong environmental adaptability with C3~C5 anti-corrosion degree available, and no derating at 45° C ambient temperature
- Flexible capacity configuration and customizable MV voltage level of 6~35kV Multiple operation modes supported such as PQ and VSG

PRODUCT DISPLAY



METALKOMERS21

Battery Cell FLP

Short blade Cells



VDA Cells



Pouch & Cylindrical Cells



Small scale BESS

Residential ESS "At Will Selection"



Portable ESS "Family Package"



Large & Medium scale BESS

C&I ESS





Utility ESS



Intelligent Applications

EMS



Early Warning All-In-One



Big Data Platform





John Delfakis has a 19 years' experience as Electrical Engineer.

- 1. Electrical industrial installations since 2005
- 2. Engineering, procurement and construction of PV Parks since 2011
- Specializations of KNX facilities in extra ordinary building and houses
- 4. Motor drive installations / Production lines
- 5. Construction of autonomous photovoltaic stations
- 6. Construction of medium voltage substations
- 7. Construction of electrical distribution boards
- 8. Construction of automation switchboards
- 9. Maintenance of industrial electrical installations
- 10. Construction and programming of telecommunication networks
- 11. Construction and programming of wireless networks

Electrical installation of a 50MWP photovoltaic park in Denmark











Indicative clients

- 1. ELLAKTOR Group Biosar
- 2. TERNA S.A Construction Company
- 3. AKTOR S.A Construction Company
- 4. COCA COLA
- 5. WIND
- 6. MOREAS S.A
- 7. SIELINE S.A
- 8. LAKON ATE Construction Company
- 9. DEON ENERGY HELLAS
- 10. NANODOMI











ENERGY POWER SOLUTIONS

ANAX TECHNIKI, with extensive experience, offers services in renewable energy, including the installation of photovoltaic systems, substations, medium and low voltage networks, as well as maintenance and repair of technological installations.

With expertise in mechanical and electrical sectors, combined with partnerships with top professionals, ensures long-term product excellence











NG SINGLE-AXIS SOLAR TRACKER

With the rotation of the generators from -60° to +60° an increase in the electricity production is achieved of 25%.









POWER FOR THE FUTURE ENERGY FOR ALL



Commercial & Industrial ESS

58 Patents 100-690kW Energy per cabin 230-466kWh Capacity per cabin

ALTIRA is the exclusive representative and importer of the leading WEIHENG and e-cactus energy storage systems, with over 1000 installations in full operation across Europe.

In the field of Energy Management Systems (EMS) ALTIRA collaborates with GANTER, a leading company, to offer complete and efficient monitoring of energy consumption and efficiency **Residential ESS**

Countries 12 Energy per unit 3-13kW Capacity per unit 5-30kWh







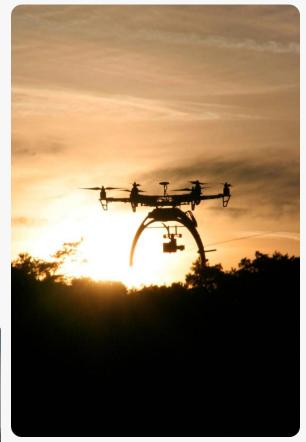
Professional security and surveillance applications using Drones.

3S is a leading technology **company** that provides innovative solutions in the fields of **security, fire safety** and **agriculture** through advanced **drone** technology.

With a vision to lead the field of **drones for professional use**, providing solutions that serve the modern needs of industry, agriculture and public safety.







ErgoSynergy



MICRO-HYDRO EFFICIENCY

TURBULENT specializes in microhydro projects with a global presence and is headquartered in Brussels, Belgium. The company's philosophy focuses on designs and project scales that harmonize with the natural environment, enabling multiple installations along rivers and streams. This strategy boosts both total power output and overall project efficiency.











PIONEERING PROFITABLE AND SUSTAINABLE ENERGY SOLUTIONS



On a Pathway to Profitability, Turbulent has experienced a revenue upswing since 2021, with over half of our turbine inventory sold since 2022. Our comprehensive revenue channels, international footprint, in-house expertise, and strategic partnerships have all been pivotal in our focused sales methodology. With these elements in synergy, we are on a calculated path to profitability by the year 2025.

Adapting to the World's Needs with Evolving Technology Informed by rigorous market analysis and growth potential, we are scaling our turbine designs to fulfill an expanded array of applications. This includes the integration of fish ladder technology and leveraging Carbon Credit incentives to penetrate new markets in Less Developed Countries (LDCS). Our site optimization is poised for enhancement, with plans to bolster our existing GIS solutions through the integration of advanced, intelligent Al algorithms.

Advocating for Change, Advancing Sustainability In the renewable energy sphere, Turbulent is more than a participant-we are a catalyst for policy reform and a proponent of environmental progress. Our influence extends to the halls of power, where we advocate for policy changes that accelerate the adoption of renewable energy solutions. We're not just modernizing hydropower, we're redefining it for a sustainable future.





PRIZES AND AWARDS



Turbulent has gained worldwide recognition and support from various companies aiming to promote micro-hydropower and make it part of the current landscape of renewable energies.



Winner. Climate & Energy Trends Impact Awards, Belgium



Winner. Global SME Companies Trends Impact Awards, Belgium

Other Prizes and Awards

2018 3rd place. EIT Venture Award. Budapest 2018 Winner. DemoDay, Start it KBC

1st prize. CleanTech Challenge Belgium. Leiden, Belgium1st prize. Engie Endeavor Innovation South America. Santiago,Chile

1st prize. Orcelle: Future Of Logistics Award. Ocean Exchange. Orcelle. Savannah, USA **Innovators under 35**, MIT Technology review, Boston, USA

Winner P18 Incubator

2015

1st prize. Pitch Startup Nations Summit. Best startup in the world. Monterrey, Mexico

1st prize. Startup Chile Incubator

3rd place. Hello Tomorrow Challenge. Paris, France

2014

Winner of Cleantech Challenge Belgium. Leuven, Belgium **2nd place.** Cleantech Challenge International London, UK



Inclusive company award by "werkplek architecten"



CTC-N membership



Cleantech Hero in Energy by Cleantech Flanders



CLIENT PORTFOLIO



Exceptional international outreach – Turbulent has sold twenty four, of which fourteen since 2022, spread over five continents. Their priority goes out to multiple turbine projects.





Energy Innovations in Glass & Agrivoltaics

Brite Solar leverages nanotechnology developing and marketing advanced solar glass products with variable transparencies for both architectural and agricultural applications.

Its innovative glass reduces the energy footprint of buildings by minimizing heating, cooling, and lighting needs while generating electricity from light. In agriculture, Brite Solar's glass is used in greenhouses and open-field cultivations, enabling energy-autonomous operation, water savings, and sustainable farming practices.

By 2025, Brite Solar aims to become the sole Greek large-scale producer of semi-transparent PV panels, supplying agrivoltaic units and sustainable solutions to international markets. Open-field strawberry cultivation





Tomato greenhouse







Energy Innovations in Glass & Agrivoltaics

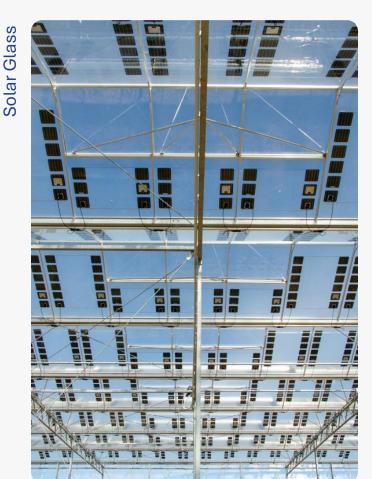
Brite Solar brings extensive expertise and proven experience in implementing agrivoltaic solutions across a wide variety of plants and farms.

Additional Benefits:

- Panel Production: Manufactured locally in Greece and across Europe.
- Specialized Know-How and Comprehensive Support
- Global Experience: Successfully applied agrivoltaic systems internationally.

Electrochromic – Dynamic Glass









Partnerships

- University of Wageningen, Netherlands
- Delft University, Nederland
- University of Jaén, Spain
- Imida Instituto Murciano de Investigación y Desarrollo Agrario y Medioambiental, Spain
- Karlsruhe Institute of Technology (KIT), Germany
- Solar Energy Institute, Izmir, Turkey
- Hellenic Mediterranean University
- University of Patras
- University of the Peloponnese
- Institute Nanoscience and Nanotechnology (INN), National Center for Scientific Research "Demokritos"
- ELGO Hellenic Agricultural Organization 'DIMITRA'



Agrivoltaics Industry Forum **Europe 2024 in Madrid**

AgroPV 2024 Conference in Poland





EIMA Bologna Expo





INNOVATIVE LOGISTICS SOLUTIONS



Buildings/construction, Mobile and fixed light-buildings, racks, automations, SW, equipment, Engineering-Stimulation-Inspection services

Categories

Pallet racking

- Pallet back to back
- Pallet with picking
- Double depth racking
- Mobile racks Drive in
- Push backs systems

Medium racking

- Mini rack
- Panel shelving

Light shelving

- Errex shelving kit
- Leo shelving kit
- Mobile shelving

Dynamic

- Carton flow shelves
- Pallet flow shelves

Mezzanine

- Mezzanine floors
- Multi tier

Cantilevers

- Heavy duty cantilever
- Light duty cantilever

Self support warehouses

- Rack-clad warehouse
- Tunnel mobile
- Modular warehouse

Automated warehouses

- AS/RS systems
- Stacker cranes for bins & boxes
- Conveyors for bins & boxes
- Stacker cranes for pallets
- Conveyors for pallets

Shuttles

- Radio Shuttles
- Vario sprinter

Carrousel storage

Vertical storage Systems

Order picking systems

Rotapick

Overhead conveyors

- Trolleyless conveyor system
- Conveyor system with trolleys
- Electic monorail system

Automatic Guided Vehicles (AGV)

- Carobot
- Sorters

Hanging garments

Micro trolley system

Retrofit

After sales

Services

- Material flow control
- Warehouse management
- WMS Software solutions
- ERP Software Solutions

• Greece (entire region)

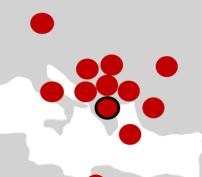
Engineering/Design

Field control level

Simulation/Emulation

Installation

- Cyprus
- UK
- Italy
- Switzerland
- Bulgaria
- Romania
- Serbia
- Croatia
- Kosovo
- Albania
- Egypt
- Turkey



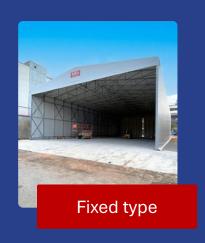


BUILDING TYPES



There are many types of buildings that can be adapted to all the needs of a business or organization. They can be placed either as independent structures or as extensions of existing buildings or warehouses.





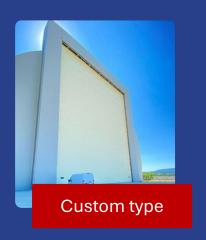














ICube Automated storage system





An innovative automated warehouse solution designed from the ground up with flexibility and modularity as key principles. What makes iCube stand out from all other warehouse automation systems is the fact that iCUBE offers the advantage of full-scale automation, while using far fewer machines than any other system.







Storage systems with pallet racks

ERG storage systems are manufactured in the most modern European factories. They have a load capacity from 50kg to 4500 kg per shelf or per level. For small or large, light or heavy loads, for conventional and automatic shelves in multi-storey structures and large facilities.











Important projects of recent years

Clients are leading:

- Super Markets
- Industrial
- Logistics

of Greece and abroad

(Warehouse 50.000 m2)
(Warehouse 65.000 m2)
(Warehouse 70.000 m2)
(Warehouse 12.000 m2)
(Warehouse 40.000 m2)
(Warehouse 50.000 m2)
(Warehouse 3.000 m2)
(Warehouse 3.500 m2)
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