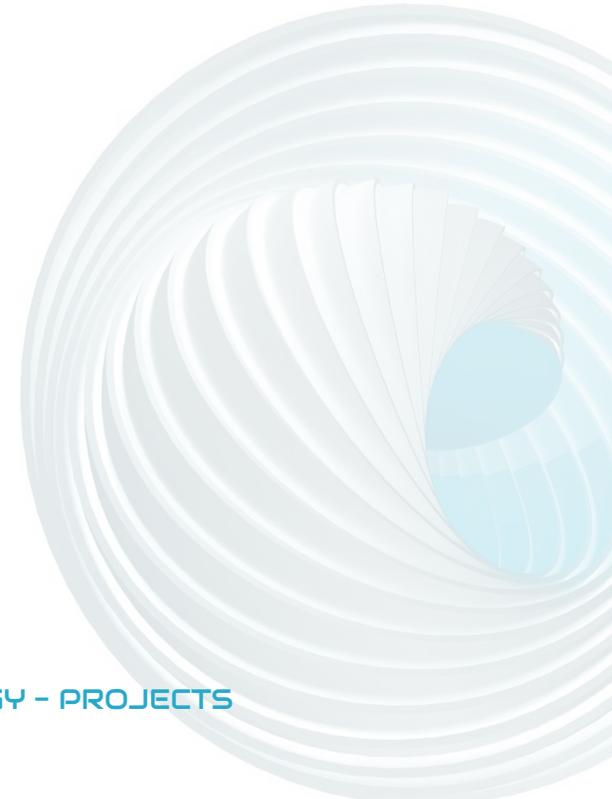


PWG
building prosperity

we are building a better tomorrow



CONSTRUCTION - ENERGY - PROJECTS

www.pwgeurope.com

our value proposition

PWG is committed to enhancing shareholder value and partner success through the active management of innovative development and responsible corporate citizenship.

PWG believe that the future belongs to those corporations having a well-defined strategic vision anchored in strong core values. These principles guide our team in all decisions and developments.



We design and manufacture steel and concrete structural frameworks with speed and cost efficiency, while consistently delivering high-quality solutions for contractors and architects worldwide, across all types of projects.

We have unique expertise in the development of turnkey factories for community development solutions, enabling the large-scale production of housing in developing countries.

We also manufacture an innovative, high-quality solar roofing system integrated with a compressed-air energy storage solution.

Finally, through continuous innovation and strategic partnerships, we collaborate on the implementation of smart cities, leveraging our technologies and know-how.

THE COMPANY

building prosperity

our value proposition



Our location enables us to offer an optimal environment for customer visits, employees, and suppliers or subcontractors, fostering business development and delivering a positive experience for all stakeholders.

The relationships and synergies we continuously build are central to our strategy, and we are committed to offering the highest standards to everyone we work with. This approach supports our worldwide business development, driven by teams across Europe, the Americas, and Africa, and by strong cooperation with local representatives.



Our proven approach sets us apart and allows us to deliver some of the best solutions available on the different markets.



THE COMPANY

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construction - overview

We supply structural systems and building envelopes for contractors, architects, and home builders.

All structural components and cladding are designed and manufactured in compliance with the building codes and standards of the destination country, using rigorous processes that deliver tighter tolerances, higher specifications, long-term durability, and fast delivery.

From tiny homes to complex architectural projects, we are able to support you through our technologies and expertise. We have developed our experience and know-how over the past 15 years.

we manufacture at low-cost with fast turnaround

few advantages with us

- lowest cost, fast delivery, from tiny homes to luxury villas
- high precision and premium quality, thermal and acoustic comfort
- non-combustible, earthquake-resistant, resistant to termites, mold and corrosion
- steel and concrete combination for strong and durable structures
- fast on-site assembly, reducing carbon footprint
- minimal material waste and 100% recyclable steel
- full support and guidance from our technical team at every stage

CONSTRUCTION

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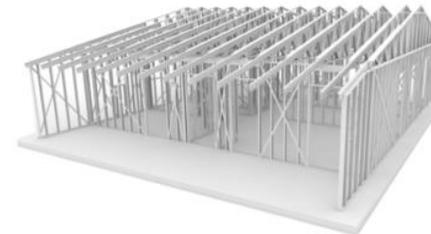
construction - a few steps

We offer a simplified process for individual clients, with personalized support throughout the project. All instructions and/or the complete team are available to provide the support and the installation if required.



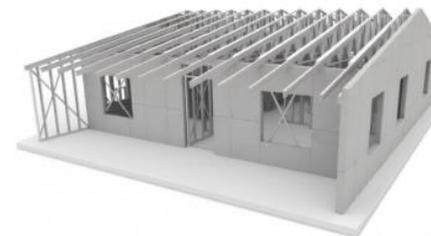
design and engineering

After receiving your initial drawings and detailed requirements, our team prepares a complete project file that includes the detailed design, 3D drawings, a bill of quantities, as well as all the necessary engineering documentation required to comply with the parameters and standards applicable at the project location. This complete file is finalized once you have approved our proposal.



supplying steel structure

As a standard initial proposal, we can supply the structure in galvanized steel. All components, including the hardware, are included. A detailed set of installation instructions is provided, with all parts identified by unique part and assembly numbers. If the client does not have the experience or is not authorized to carry out the installation, we can dispatch our team to support the installation process or to execute it entirely.



with concrete panels

As part of the project, we provide the cladding system. It consists of concrete panels with a thickness of 2.5 cm, which are assembled using screws onto the steel structure. In addition, our proprietary organic-based lightweight concrete insulation can be added to the walls to provide effective thermal and acoustic insulation. At this stage, our team will come on site with specialized equipment to inject the insulation.



with solar roofing

As an option, the roofing system can be supplied with a wide range of configurations and design features. Finishes such as colors, green roofing, skylights, hot water systems, and other solutions can be integrated to meet your architectural and functional requirements. In addition, with the compressed-air energy storage system, the building can achieve full energy independence, offering a highly efficient and environmentally responsible solution.

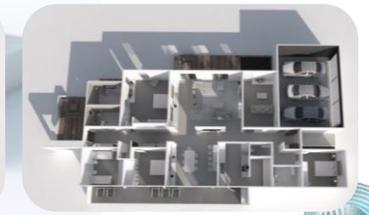
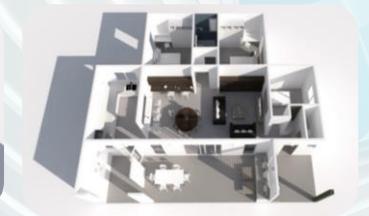
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construction - a few examples

flexibility

Every design style, finish, and architectural influence, as well as your specific requirements, are carefully taken into account during the design phase to reflect your ideas and meet your needs, family requirements, budget, and timeline.



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energy - overview

Through design, engineering, and production, we hold expertise and patents that deliver one of the world's leading solutions for our applications. Some of our products were developed by one of the largest leaders in the steel industry.

Our solar panels replace the roof itself, featuring an ingenious system with proprietary accumulators and unique mechanisms, all designed to redefine industry standards.

Our patented energy storage system can serve single-family homes as well as large-scale industrial installations. We provide solutions tailored to your needs for a sustainable and environmentally responsible approach.

we develop custom-made solutions

unique system with patents

- a fully modular system, color choices for solar panels
- solar hot water modules
- green modules with integrated drip irrigation system
- modules for roofs or façades
- concrete, stone, and brick style façade modules
- we manufacture and deliver the complete system worldwide
- our system requires design and installation by our teams

ENERGY

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energy - advantages & solutions

mechanical strength :

- a) withstands a load of 600 kg/m^2
- b) withstands negative pressure of 470 kg/m^2

waterproofing :

- a) air pressure resistance of 2400 Pa in gust mode, air speed 225 km/h , water flow 3 L/min/m^2
- b) fully watertight system that replaces a conventional roof

fire safety :

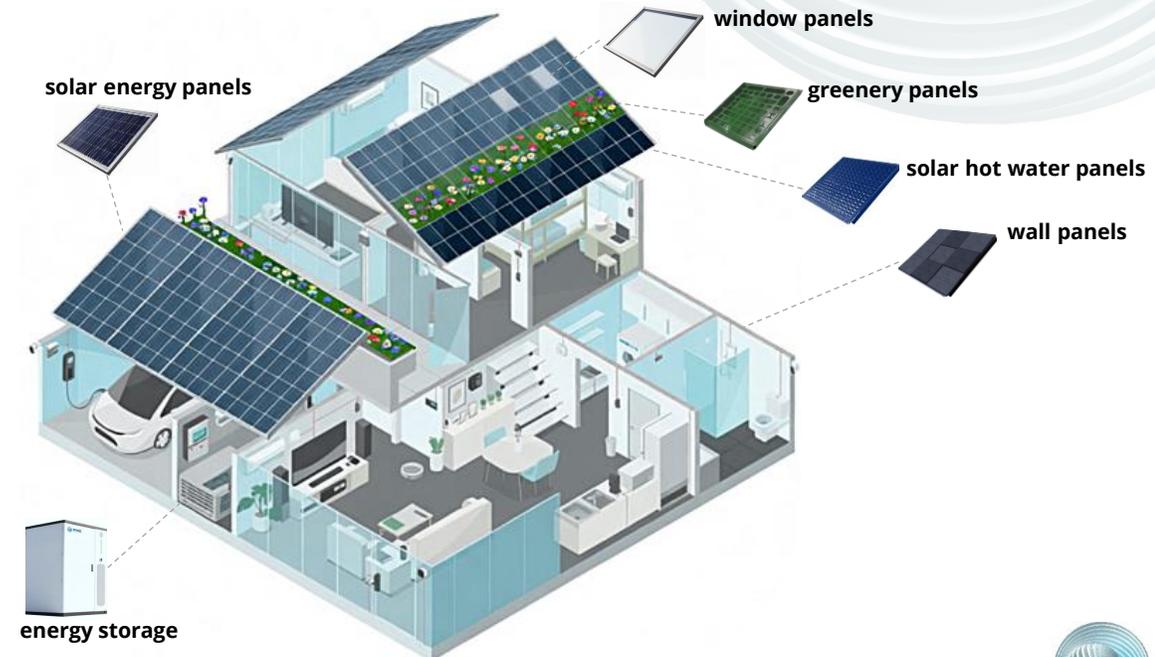
- a) photovoltaic module short-circuits automatically in case of abnormal temperature rise above 120°C
- b) firefighter intervention without risk

environmental protection :

- a) roof or solar plant requires regular cleaning
- b) cleaning effluents are collected

electrical safety :

- a) inaccessible cables protecting against vandalism, animals, etc.
- b) shielded cables integrated into the frames, providing lightning protection
- c) during replacement of one module, all other modules remain in equipotential contact, with grounding cable connection enabling easy earthing
- d) no risk of wiring errors or electrical loops



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energy - production



solar hot water

Hot water system consume a lot of energy. Solar hot water is an economic way to provide to the houses all the hot water they need for shower and other usage. Depending on the capacity required, from 1 to 6 panels could be enough for all size family. The installation of this system is including all the pipes required to feed a specific hot water tank inside of the house. The panels are built to be installed on the same rails integrated system.



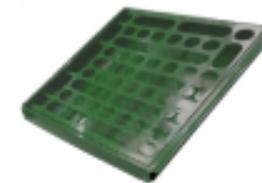
solar energy

Solar panels system assembled with thin folded stainless steel sheets with a low coefficient of thermal expansion close to glass. It has a mechanical resistance much higher than all the installations. It is "plug and play" system, the electrical connections of the modules are made automatically during the installation process. The modular system is waterproof and airtight as a replacement for roofs and facades.



windows

The system can integrated fixed window, window that can be opened or partial windows including half cells design. These panels provide natural lights and a beautiful architect design for all type of buildings or residences. These panels, as all other modules, can resist to all weather for all countries. Some specifications will be considered including at the installation process for the best results.



greenery

These panels with the above ground farming configuration, are fully integrated into the module system for the roof or facade with drip system installed. The integration of greenery in large cities helps to limit the rise in temperatures by paved or concrete areas that store a lot of heat. In addition, the aesthetics and self-sufficiency of city needs help to strengthen this option, essential in the fight against global warming.



wall - stone finishing

The stone, brick or concrete contemporary designs are available using our integrated modular panels system. Easy to change or replace, using our same rails system and patented solutions, with or without insulation layers, these panels are a good choice to complete a facade of an architect designed building. All systems are against thief, adding protection against fire, strong weather and lightning.

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energy - storage

Our integrated solutions ensure precise control of energy requirements and technical performance for a healthier future. Our energy storage system generates reusable cooling during operation. Each system is custom-designed to meet specific requirements and performance targets.

few advantages

- silent operating process
- cost-effective, with no batteries to replace every 5–7 years
- easy and reliable maintenance of mechanical components, requiring no advanced technical skills
- custom-designed to meet specific needs
- high performance in all climates, compared to battery-based systems
- cold recovery capability
- no chemical products, simple and environmentally sustainable

We design and build solutions tailored to the specific needs of each installation or project.



For industrial, commercial, or residential applications, we offer modular or custom options to meet your storage requirements.

ENERGY

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projects - overview

We implement factories for large-scale projects development. We are supporting operations and developments on multiple sites of construction and factories.

From project management, human resources training, construction site management, international procurement, architecture, engineering, system and process specialists, our unique technology and knowhow are designed to industrialize mass production of housing. It is the proper solution for many countries, including countries under development.



we deliver complete urban developments,
housing and all infrastructure

We have the know-how to achieve a production capacity of up to 1,000 houses per month per factory. The only viable solution for developing countries facing a housing shortage lies in industrial expertise. Implementation can take from 6 months to 2 years to reach full capacity, depending on requirements.

We employ local labor wherever our projects are located, generating a significant impact on employment. Many indirect jobs and local subcontractors are also affected. Effective international supply chain management is essential.

We construct social, economical or mid-range houses. Combine with our expertise, we can also implement a real estate activity to develop the market and assure the volume of sales required.

PROJECTS

building prosperity

programs - overview

Over the years, driven by experience, collaboration, and evolving client needs, we have developed a range of programs designed to address today's challenges. Here are three of them :



a response in accordance with traditions



free home & clean energy

This unique business model that we developed is planned to provide 140MW as a energy facility and 10000 free houses of 60 square meters with 2 or 3 bedrooms configuration, 2 bathroom and toilets, living room and kitchen. Our patented roofing system providing energy using solar, combined with air compress for storage and with our construction process, allow us to build both at a very low cost and having huge impact. It can be developed for Europe and also countries under development or hoping for economic solutions.



an added value to remote areas



oasis of services

Comfort/Energy/Health, for an oasis of essential services. We provide an answer for disadvantaged populations, villages in remote areas, region with disasters, or facing other challenge for temporary/permanent context, we can provide beTown as a first step. The buildings are multi-services centers and completely autonome in energy, it can be organized with many options as proposed with markets, clinic, meeting room, offices, refrigerated areas, toilets, showers, restaurants and more.



innovations for a healthy future



revolution the urban life

Comfort of life is enhanced with connected homes, efficient public services, and effective municipal management. Resources and consumption are geared towards sustainability, with renewable energy, recycling systems, and energy recovery. The mobility becomes more eco-friendly with traffic systems, connected vehicles, and real-time navigation, reducing congestion. These advancements transform cities into efficient hubs where quality of life thrives, shaping a brighter future.

additionnal informations

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get in touch

With a commitment to quality, efficiency, and innovation, we stand ready to support complex build environments and strategic infrastructure needs throughout many regions of the world.

In **Construction**, we provide robust structural frameworks and modular systems designed to meet the stringent requirements of today's builders, architects, and developers. By combining precision manufacturing with rigorous engineering standards, we ensure projects are delivered with strength, reliability, and long-lasting performance.

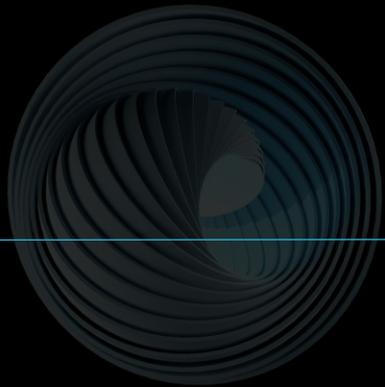
In the **Energy** sector, we offer tailored solutions that support the evolving demands of modern energy infrastructure. From structural components for power facilities to systems aligned with renewable energy initiatives, we contribute to secure, sustainable, and efficient energy deployment.

For **Large-Scale Project Implementation**, we excel in managing the complexities of factory installation and industrial facility implementation. Leveraging deep project expertise and cross-disciplinary coordination, we deliver end-to-end solutions that integrate planning, execution, and delivery — enabling clients to achieve major milestones with confidence.

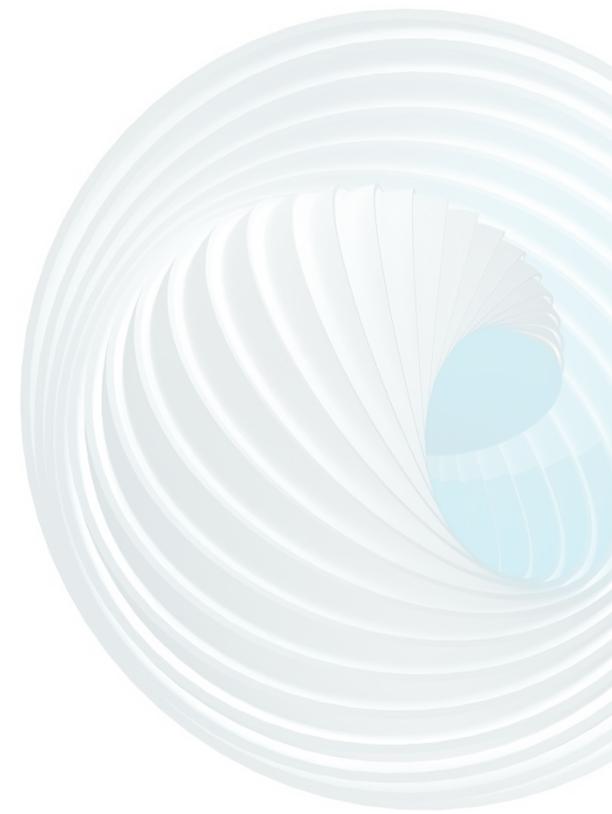
Across all areas of its business, we consistently balance innovation with practicality, optimizing timelines and controlling costs without compromising quality. Our experienced teams work closely with clients to understand unique challenges and deliver solutions that align with strategic goals. Ultimately, our comprehensive capabilities, client-centric approach, and unwavering commitment to excellence make us a trusted partner for organisations seeking reliable performance and impactful results in construction, energy, and industrial development.

final thoughts

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thank you
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get in touch
www.pwgeurope.com
contact@pwgeurope.com

representative office :