



UPS

Construction & Engineering



General catalog



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ABOUT US



UPS Construction is a professional engineering and construction company operating in the construction sector since 2018. Our core business is the turnkey construction of industrial and commercial facilities. We provide comprehensive solutions at every stage, from design through procurement, manufacturing and installation to commissioning.

As the direct distributor of Assan STP in Azerbaijan, we sell PUR, PIR and stone wool sandwich panels, supply accessories and fasteners that we import directly, and provide professional installation of roof and wall systems. Our activities also include steel structures, prefabricated and modular buildings, roof and facade systems, concrete and infrastructure works.

All processes are managed in accordance with the international standards ISO 9001, ISO 14001 and ISO 45001. These certifications reflect the high value we place on quality, environmental protection and occupational safety.

One project, one partner, single responsibility. Rather than splitting the work among multiple contractors, we manage every stage, from procurement to execution and handover, from a single center and take full responsibility for the final result.





SANDWICH PANELS

Sandwich panels are building materials used for wall and roof cladding in modern industrial and commercial construction, combining thermal insulation, strength and fast installation in a single element.

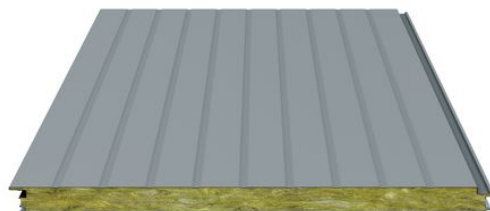
The panel consists of a PUR, PIR or stone wool insulation core between two metal sheets. The insulation type and panel thickness are chosen according to the purpose of the building and its thermal and fire safety requirements.

Key advantages include high thermal insulation, fast installation, long service life, weather resistance and energy efficiency. The lightweight, modular design shortens construction time and allows the building to be commissioned sooner.

As the direct distributor of Assan STP in Azerbaijan, UPS Construction supplies and professionally installs sandwich panels for projects of all kinds.

Sandwich panel

Polyurethane (PUR), Stone wool, Polyisocyanurate (PIR)



Polyurethane (PUR)

PUR sandwich panels stand out for their high thermal insulation and light weight. The low thermal conductivity of the polyurethane core helps keep indoor temperatures more stable and reduces energy losses.

PUR panels are widely used in wall and roof systems of warehouses, production facilities, logistics centers, agricultural and commercial buildings. Fast installation helps shorten construction time.

Stone wool

In addition to thermal and acoustic insulation, stone wool sandwich panels are a suitable solution for buildings with high fire safety requirements. The mineral wool core withstands high temperatures and helps limit the spread of fire.

These panels are used for wall and roof systems in industrial and production facilities, warehouses, commercial buildings and other structures with strict fire safety requirements.

Polyisocyanurate (PIR)

PIR sandwich panels combine high thermal insulation with improved fire performance. The polyisocyanurate core makes the material more stable at high temperatures and keeps heat losses to a minimum.

PIR panels are used for wall and roof systems in industrial and commercial facilities, warehouses, logistics centers, cold stores and other temperature-controlled spaces.



Depending on their purpose and application, sandwich panels are produced with different insulation layers, metal facings and technical specifications. The metal facings can be 0.3–1.0 mm thick. A 60–325 g/m² zinc coating is applied to the metal sheets, increasing the panel's corrosion resistance.

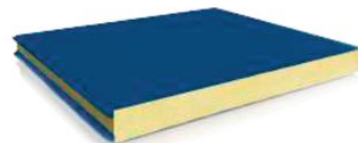
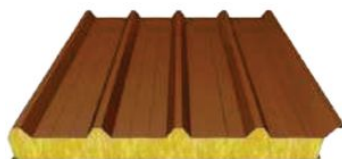
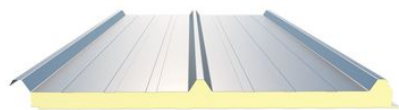
The effective width of all sandwich panel types is 1000 mm. Depending on the panel type, the polymer-coated galvanized steel sheets used can be 1090, 1130, 1150 or 1200 mm wide. Panels are produced in lengths of 2–15 meters to suit project requirements, with waste-free cutting.

The density of the insulation layer is 40 ± 2 kg/m³ for PUR, 41 ± 2 kg/m³ for PIR and 100 ± 10 kg/m³ for stone wool. Depending on panel type and thickness, production capacity is 200–350 m² per hour for PUR and PIR panels and 100–200 m² per hour for stone wool panels.

Panels can be produced in a range of colors. RAL 9002 is one of the most popular choices, and other RAL colors can also be selected to match the project's design and corporate requirements.

German-made KraussMaffei equipment is used in production. Modern manufacturing technology ensures precise panel dimensions, consistent quality and made-to-order production.

Sandwich panel properties and applications.



3-rib roof panel

5-rib roof panel

Wall panel

Deviations in dimensions and physical properties affect the performance of a sandwich panel in service. To ensure consistent quality of the products delivered to the customer, the permissible production tolerances are defined in accordance with the TS EN 14509 standard.

Insulation thickness, mm	40-50-60-70-80-100-120-150
Length, mm	2000 ÷ 15000
Width, mm	1000 (installed)



Civil facilities

- Residential buildings.
- Modular houses, schools, medical centers and other buildings.
- Shopping malls.
- Large stores and showrooms.
- Sports complexes.

Industrial facilities

- Construction sites.
- Factories and workshops.
- Cold rooms.
- Warehouses.
- Logistics terminals.
- Farms.





POLYMER PIPES

Polymer pipes are durable, practical solutions widely used to build water supply, sewerage, drainage and other utility systems in modern infrastructure projects. Their light weight, resistance to corrosion and chemicals, long service life and easy installation make them an alternative to traditional metal pipes.

Produced in a variety of diameters and designs, polymer pipes are used for drinking and process water lines, sewerage systems, stormwater, drainage, cable protection and other underground utilities.

PE100 pipes, Corrugated, Double-wall corrugated polypropylene



Corrugated pipes



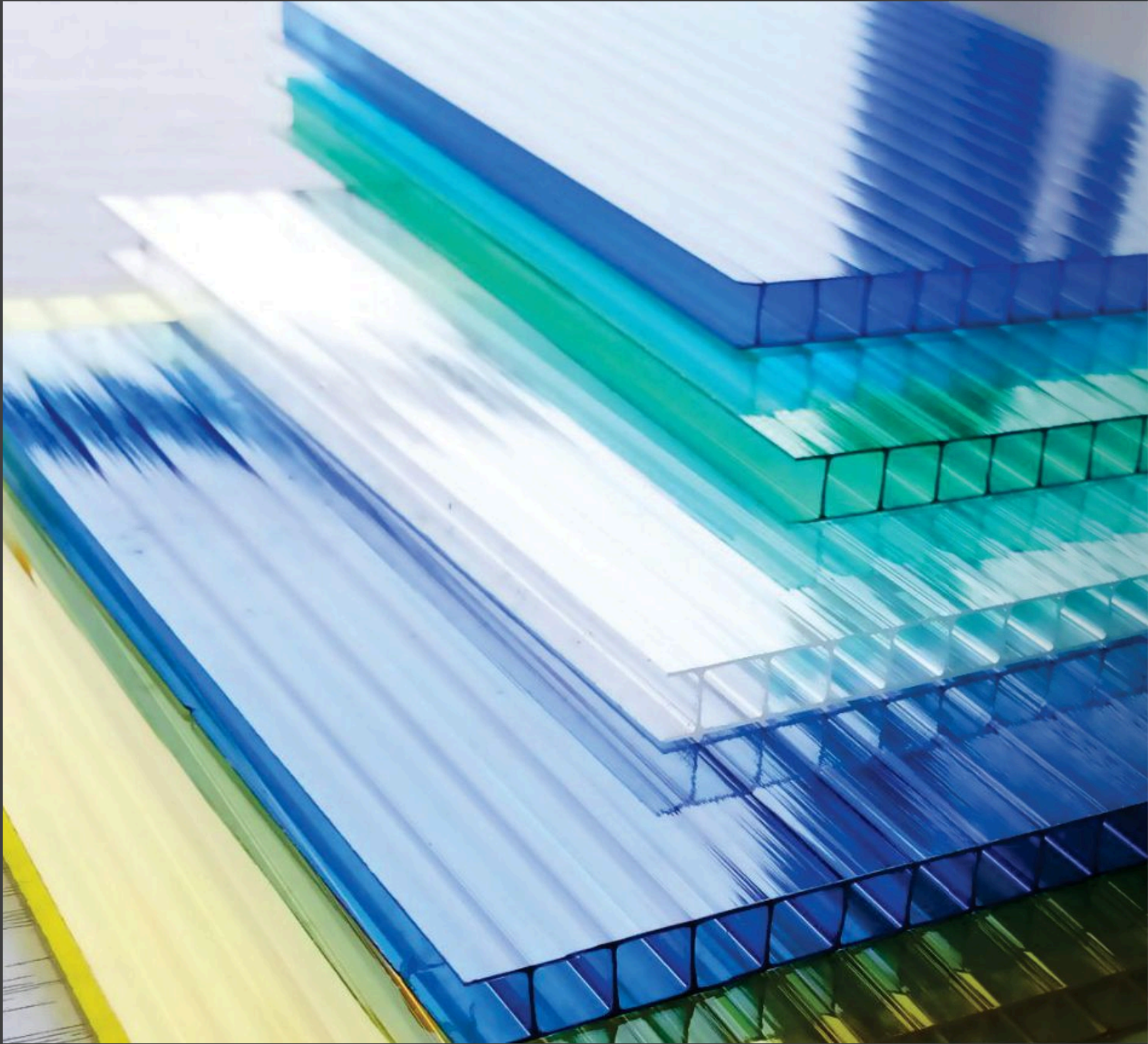
Double-wall corrugated polypropylene

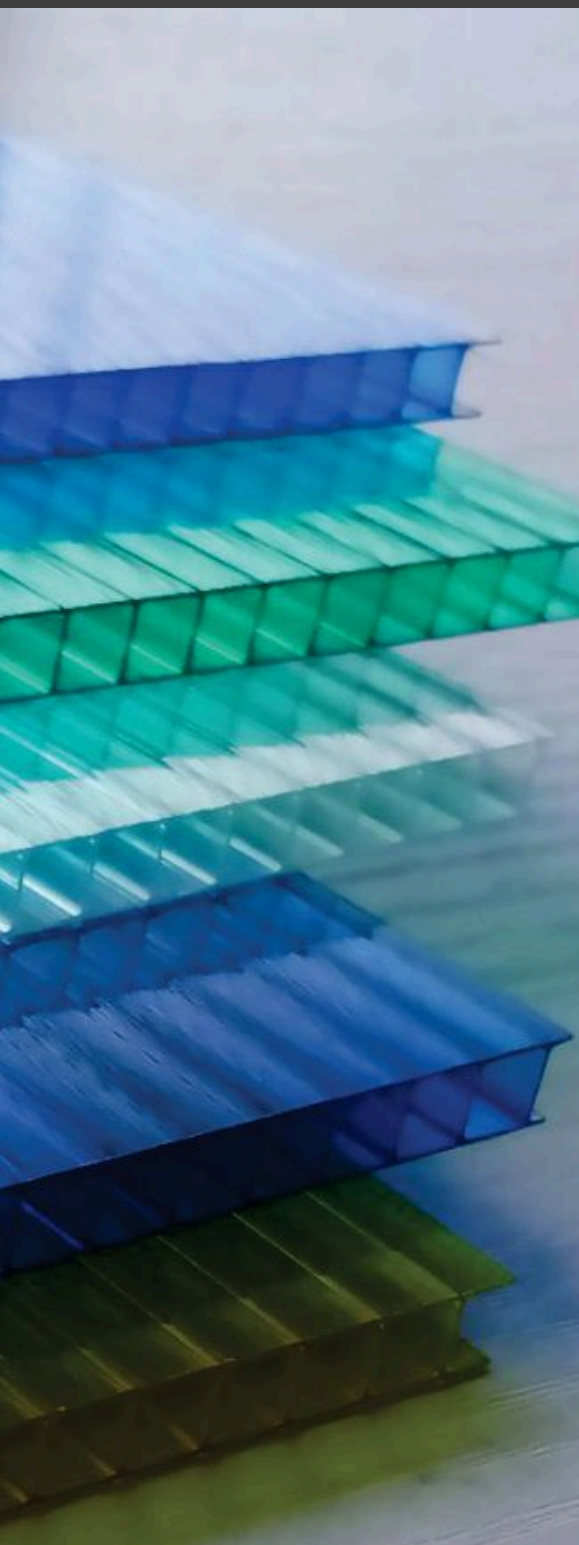
Unlike other polymer pipes, these pipes cover several areas of application. Their strong surface and light weight make them indispensable. They are widely used both to protect power, telecommunication and other transmission lines and for non-pressure discharge of wastewater, groundwater and stormwater. Suitable for depths of 1–15 meters, these pipes resist physical, chemical and mechanical impacts. The smooth inner wall minimizes friction. Corrugated pipes withstand temperatures from -40°C to $+90^{\circ}\text{C}$. They also extend the service life of engineering structures, and repairs involve minimal downtime.



Thanks to their resistance to high pressure and mechanical loads, PE100 polyethylene pipes are widely used in modern water and infrastructure systems. Compared with earlier generations of polyethylene pipe such as PE63 and PE80, they offer greater strength and superior performance.

Produced in diameters from 16 to 1200 mm, PE100 pipes are available in pressure classes of 6.3–25 bar to meet the requirements of different projects. Their light weight, corrosion resistance, flexibility and long service life make them a reliable choice for drinking and process water lines, industrial pipelines, irrigation and other pressure infrastructure systems.





POLYCARBONATE SHEETS

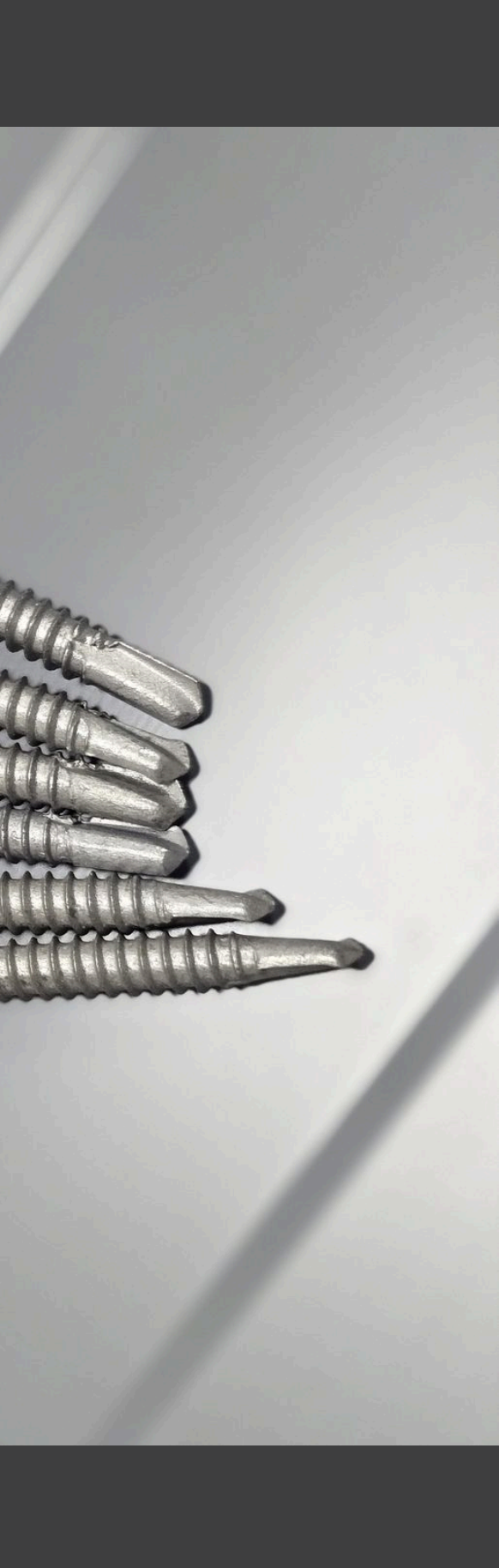
Multiwall polycarbonate sheets are widely used in modern construction thanks to their light weight, high light transmission, thermal insulation and impact resistance. They are a practical choice for roof and facade solutions, especially in industrial and commercial buildings where natural lighting matters.

UPS Construction distributes single-cell 4, 6 and 10 mm, 6-cell 16 mm and 5-cell 40 mm polycarbonate sheets. The 40 mm 5-cell sheets are particularly suitable for roof structures.

Clear polycarbonate sheets are available as standard. Other colors can be supplied for large order volumes.

Light weight, easy processing and installation, weather resistance and a long service life make polycarbonate a cost-effective material for industrial, commercial, agricultural and various architectural structures.





SANDWICH PANEL ACCESSORIES AND FASTENERS

We supply the high-quality fasteners and complementary accessories needed for sandwich panel installation from a single source. We import Swenn sandwich panel screws directly and offer them in a range of sizes to suit different panel thicknesses and structural requirements. Designed for secure fixing and long service life, these screws are widely used in the installation of sandwich panel systems.

We also supply the gutters, clamps, profiles, ridges, corner profiles, drip edges, parapet and edge flashings, connectors and other complementary metal accessories needed for installation. This means every key product for a sandwich panel project, from panels and fasteners to installation details, is available from one place.





SERVICES

UPS Construction offers comprehensive solutions for the construction of industrial and commercial facilities. Our activities include fabrication and installation of steel structures, distribution and installation of sandwich panels, manufacture of prefabricated containers, modular buildings, roof and facade systems, concrete and infrastructure works. Depending on the scale and technical requirements of a project, we deliver everything from individual construction services to full-scope turnkey projects. At every stage, we prioritize quality, safety and professional execution.



Steel structure erection

UPS Construction provides a full range of services for the design, engineering calculations, fabrication and erection of steel structures for industrial and commercial facilities. Structural and design calculations, load and stability analyses and shop drawings are prepared in line with the project's technical requirements.

Based on the completed designs, the steel structures are fabricated, surface-protected, delivered to site and erected. Depending on the structure and project requirements, bolted connections and various types of welding, including on-site welding, are used during erection.

We deliver steel structure solutions of varying scale and complexity for industrial buildings, warehouses, production and logistics facilities.



Sandwich panel installation

We provide professional installation of roof and wall sandwich panels on industrial and commercial buildings. Installation covers the correct positioning and joining of panels and their secure fixing to the supporting structure in line with the project's technical requirements.

During installation, we pay particular attention to the correct use of fasteners, panel joints, edge trims and other installation accessories. Precise installation that meets technical requirements ensures the panel system's thermal insulation, water and air tightness and long service life.



Roofing and facade works

Roof and facade systems play a key role in protecting a building, making it energy-efficient and shaping its appearance. We apply roof and facade solutions for industrial and commercial facilities that meet a wide range of technical and architectural requirements.

Our services include external wall insulation (ETICS), facade works, porcelain stoneware cladding, HBSB systems, glazing systems, installation of sandwich panel and metal facades, standing-seam roofing systems and other complementary works.

During installation, we pay particular attention to the correct execution of insulation layers, joints and transitions, parapets and cornices, drainage systems, bent and edge details and fasteners. This approach ensures the waterproofing, thermal insulation, weather resistance and long service life of facade and roof systems.

Infrastructure works

Infrastructure works cover site preparation for industrial and commercial facilities and the construction of utility networks and on-site infrastructure. We carry out every stage, from earthworks and site preparation to the installation of the main utility lines.

Our services include excavation and backfilling, soil compaction, site grading, preparation of road and yard bases, drainage and stormwater management, laying of underground utilities, installation of sewer and water lines, and other infrastructure works.

Work is carried out in line with the project's technical requirements, with particular attention to material selection, base preparation, leveling and compaction. The goal is to create a durable, functional and reliable infrastructure base for the construction and subsequent operation of the facility.

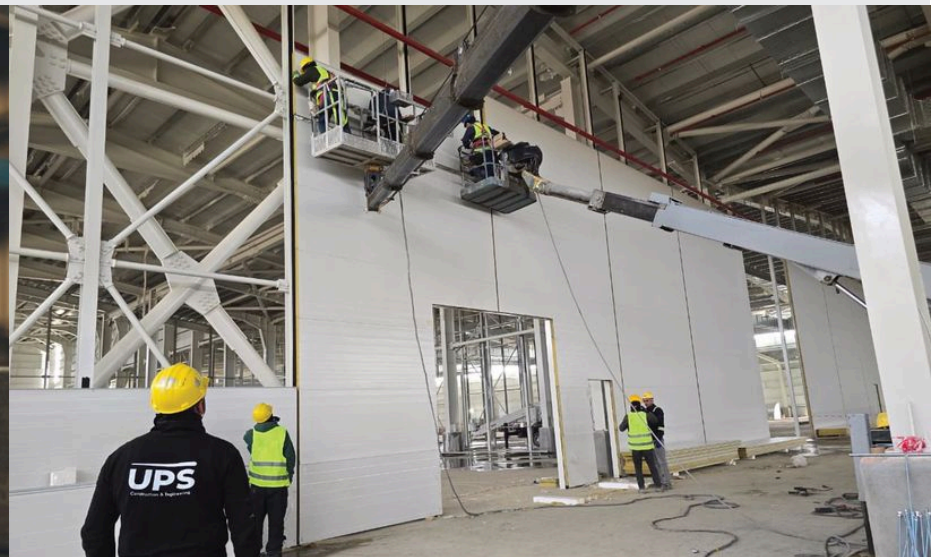


Steel structure fabrication

Steel fabrication is the process of manufacturing project-specific components to precise dimensions and making them ready for erection. Sections, plates, anchors and other structural elements are processed according to shop drawings, with the required dimensions and tolerances assured.

Fabrication includes CNC cutting and drilling, processing of sections and plates, precise drilling of holes for bolted connections, anchor fabrication, welding and trial assembly. Dimensional accuracy and fit-up of connections are monitored throughout production so that the finished components can be erected on site without issues.

Depending on project requirements and the structure's operating environment, sandblasting, anti-corrosion primers, industrial paint systems, galvanizing and fire-resistant protective coatings are applied.



Turnkey construction of industrial and commercial facilities

We deliver turnkey construction of industrial and commercial facilities comprehensively, from the initial project stage to the handover of the fully completed building. Depending on the scale and technical requirements of the project, design, engineering calculations, earthworks and concrete works, steel fabrication and erection, roof and facade systems, sandwich panel supply and installation, MEP and other construction works are carried out under single management.

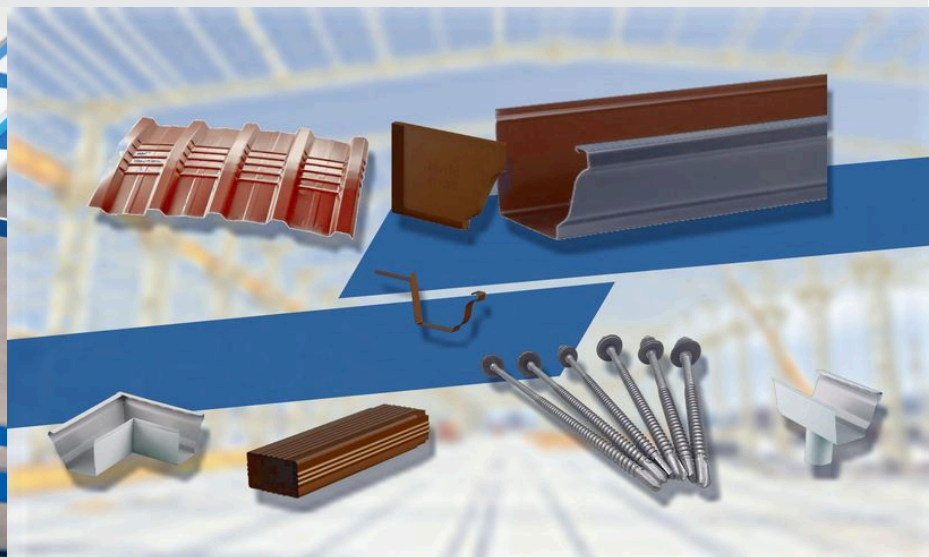
Coordinating every stage of the project keeps time, quality, budget and technical requirements under control. Managing procurement, production, logistics and construction from a single center gives the client more efficient and flexible project delivery.



Manufacture and installation of prefabricated containers

Prefabricated containers are modular building solutions used to create functional, ready-to-use spaces for a variety of purposes in a short time. Being factory-made and assembled on site shortens construction time and allows flexible planning to suit the project.

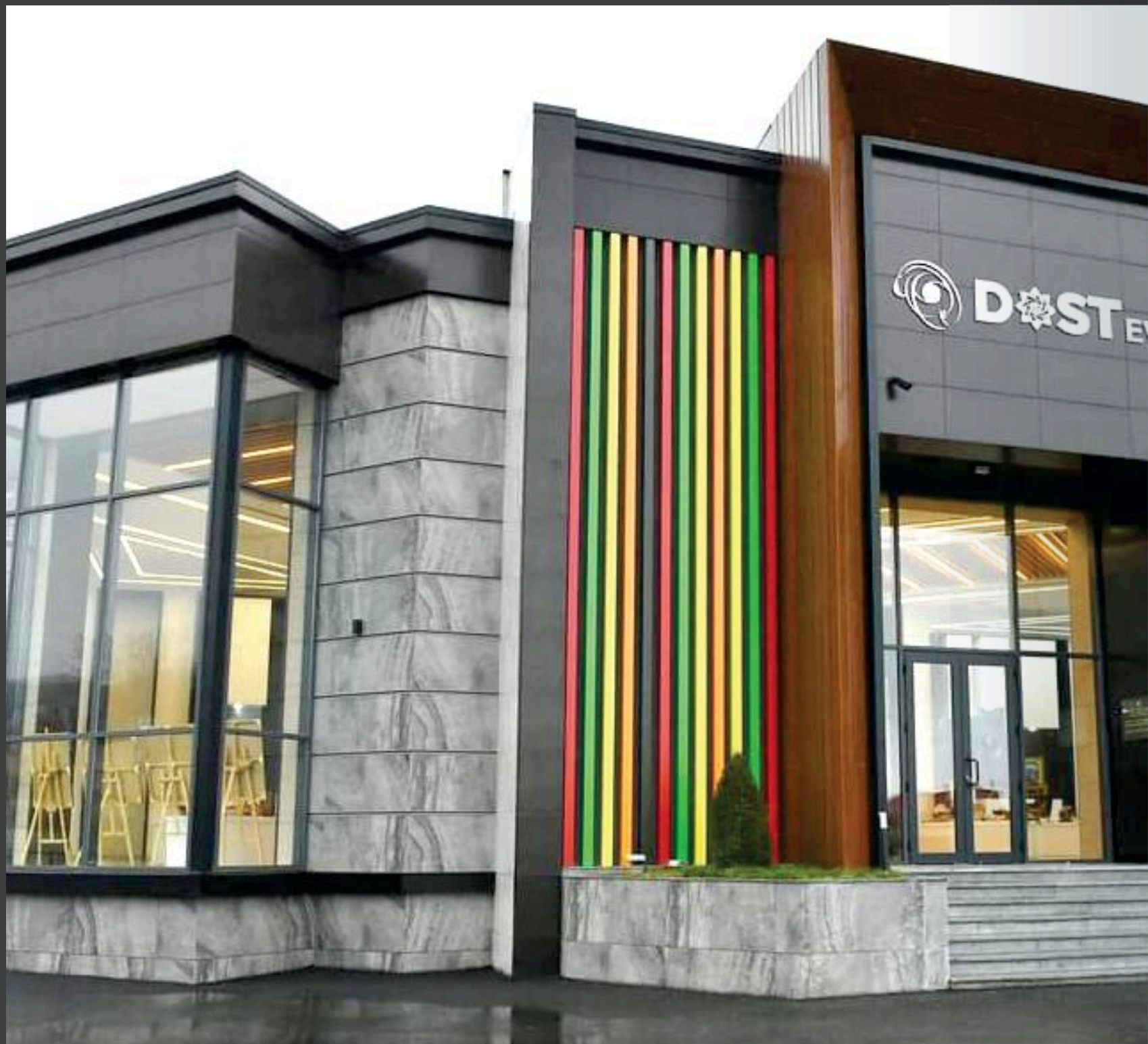
Containers can be used as offices, living quarters, worker camps, canteens, sanitary units, changing rooms, security posts and technical rooms. They can also be adapted for coffee and retail kiosks, tourist and leisure spaces, small commercial outlets and seasonal service points.



Sandwich panel accessories and fasteners

To finish sandwich panel systems correctly, safely and attractively, sheet metal accessories, fasteners and special installation components are used in addition to the panels themselves. These details ensure that panel joints, edges, transitions and roof-facade junctions are properly resolved and that the system is watertight and airtight.

Our accessory range includes sandwich panel screws and fasteners, upper and lower ridge caps, internal and external corner profiles, drip edges, parapet cappings, edge and base flashings, valley gutters, wall-to-roof junction profiles, window and door trim profiles, various bent metal details and other complementary elements. We import sandwich panel screws directly and supply products to suit a range of sizes and technical requirements.





PROJECTS

Every project reflects our engineering experience, technical capabilities and commitment to quality. Through projects across industrial and commercial construction, from supply to installation and from structural works to complete building solutions, we turn our clients' requirements into tangible results.



Gabala Railway Station
Sandwich panel



Sis Houses
Container



AzerEnerji Kalbajar 6 HPP
Sandwich panel



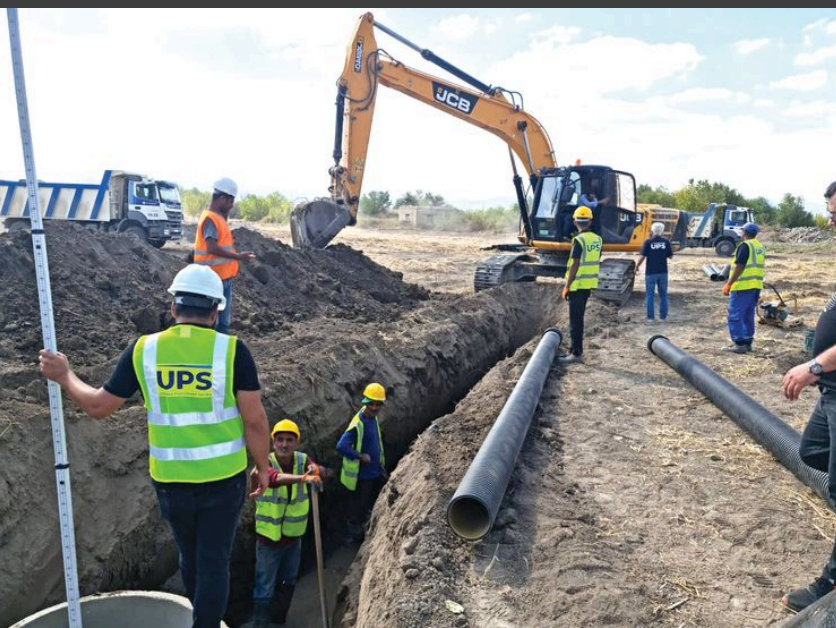
Mashtaga Olympic Complex
Sandwich panel



Lachin concrete and roof tile factory
Sandwich panel



Bridge Groups of Companies
Sandwich panel



Zangilan
Pipe laying



Binagadi truck park
Sandwich panel



Jabrayil
Container



Lachin blood drying facility
Sandwich panel



“DOST House” center, Ismayilli branch
Sandwich panel



Shusha
Container



Runaway House
Container



Hokmali warehouse
Sandwich panel



Lachin chemicals factory
Sandwich panel



Alat fertilizer storage terminal
Sandwich panel



Zagatala Olympic Complex
Sandwich panel



Khankendi post
Container



Lachin furniture factory
Sandwich panel



Buzovna warehouse
Sandwich panel



Neftchala
Pipe laying



Chery Azerbaijan showroom
Sandwich panel



Lachin aluminum plant
Sandwich panel



Bafco footwear factory, Aghdam
Sandwich panel



Aghdam
Container

COMPANIES WE WORK WITH



soliton




AzerGold


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AZERBAIJAN
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CONCO
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