

PREFABRICATED HOUSES SOLUTIONS

Eco-friendly and energy-saving **prefab homes**, We build architect-designed, healthy homes with a personal touch-yours. We build your dream **prefab houses**, Top Deals at Factory Price.

Buying a duplex **prefab house** brings many advantages and Assan Panel, as an experienced modular home construction specialist, has the right houses in the program. With our 35 years of experience, we offer you high quality and affordable living spaces that are carefully crafted by our architects and engineers with an innovative line through the synthesis of modern architecture. The selection of Assan Panel **prefab homes** ranges from budget to exclusive models. Our duplex homes are state-of-the-art, environmentally friendly, have a long service life and are safe against level 1 earthquakes. Here you will find a combination of comfort and decency. There is the right prefab house for every taste and budget.



RAPID BUILD HEALTHCARE FACILITIES SOLUTIONS

Fast installation and high quality healthcare facilities with the assurance of Assan Panel You can use it safely; It brings speed and dynamism to your projects with its comfort, practical installation, high heat and sound insulation. It can be easily disassembled and moved to another area and can be used to meet your needs at different points. With the field hospital and mobile hospital models we produce, we offer total solutions with different models to meet all your needs. The main element that stands out in prefabricated Sahara hospital structures is the expectation that the urgently needed health facility buildings will be built in the fastest way and ready for service. Field Hospitals are the only alternative building model with its technological rapid production and ready-to-use installation in cases such as the establishment of an emergency public health center in cases such as the inadequacy of other hospitals in the regions where health services will be provided, the fear of coronavirus, special-purpose emergency hospital need or refugee flow.



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COOLCELL COLD CHAIN STORAGE SOLUTIONS

CoolCell is an easy to install self supporting coldstore solution which offers superior energy efficiency and increased storage volume compared to conventional cold rooms.

Assan Panel CoolCell is a modular cold store solution with fast track installation method used for minimizing post-harvest losses in the agriculture industry. It can be used for precooling fruits or vegetables after harvest to improve their shelf life or as a cold store facility for dry goods, meat or seafood. The CoolCell can also be used as an emergency shelter or medical treatment facility in natural disaster affected regions.

Operating temperature of the CoolCell is +0°C for the standard model and can be used to store all kinds of dry goods, fruits, vegetables, meat or seafood.

If required, CoolCell can also be customized to be used as a freezer room with operating temperatures up to -85°C. Contact Assan Panel Technical Team for freezer room design options.

Unparalleled Energy Efficiency

Coolcell having unrivalled thermal performance which minimises your energy bills

Increased Storage Volume

The standard module size provides aprox. 170m3 storage volume which is approximately 3.5 times more than typical modular cold room storage capacity

Self-Supporting System

Our patented accessory design eliminates the need of any steel framework which minimises the construction time, enabling your coldstore to get operational quicker

Turnkey Solution

Every component required to build the coldbox fits in a single container. Supplied and covered under Assan Panel Warranty for peace of mind.



SOLAR CAPPED PANEL

Thanks to its special clamp system, Solar Capped Panel is easily mounted on the surface of Assan Sandwich Panel without drilling any screw holes. As it is installed without drilling on the roof, it offers excellent waterproofing performance and high corrosion resistance as well as extending the economic life of the buildings by maintaining the structural integrity of the roofs. In addition, it offers cost efficiency in steel construction with its design allowing for low slope installation. Solar Capped Panel, with a warranty up to 20 years, also offers a high degree of fire protection in addition to unprecedented thermal efficiency and energy conservation. With advanced daylight lighting and integrated roof solar energy system, it offers a 100% sustainable alternative for buildings. It aims to help mitigate the impacts of the climate change for future generations.



- COST ADVANTAGE
- COMPATIBLE WITH 60-CELL AND 72-CELL PV MODULES
- COMPLETE DESIGN & INSTALLATION SUPPORT
- LOW-SLOPE ROOF APPLICATIONS
- HIGH MECHANICAL PERFORMANCE
- SUSTAINABLE BUILDINGS WITH SELF-GENERATING ENERGY ROOFS
- HIGH WATER & CORROSION RESISTANCE

ENGINEERING, PROCUREMENT AND CONSTRUCTION MANAGEMENT SOLUTIONS

With our engineering and technical staff, who are experts in their fields and whose efficiency and competence have been proven by experience, it is necessary to plan and design the system in the most ideal way to achieve maximum performance at optimum cost, and to complete the facility within the specified time and deliver it to the investor; We have a wide range of services covering engineering, planning, procurement, logistics, construction and installation processes. Thanks to our EPC expertise, which includes turnkey project solutions and strong engineering, procurement and installation services, all responsibility of your project is under the assurance of Assan Panel's expert teams. With sustainable high quality, planning and timing commitments, your optimum system efficiency is under our guarantee. As part of our maintenance and operation contract, we also ensure trouble-free operation of your system throughout its operating life. Thanks to our comprehensive and precise quality control assurances and superior EPC competence, we are able to offer long-term product and system performance guarantees that will make your solar energy investments extremely safe



SOLAR ENERGY SOLUTIONS ON ROOF

Rooftop solar energy systems are the most ideal method for you to reduce your costs by producing your domestic electricity on the roof of your businesses or production facilities. Thanks to the different solutions designed by our expert engineers, we develop special roofing projects suitable for all kinds of roofs.

Systems where the electricity produced from solar energy is fed to the grid and used instantly without any additional storage (battery-battery, etc.) interface at the time it is produced and at the place where it is produced are called Grid Connected (On-Grid) Systems. The electrical energy obtained in these systems is transferred directly to the Public Network Line. It is possible to sell the excess electricity produced to the grid. In this area, different laws, regulations, purchase guarantee periods and tariffs are developed by the states depending on the current conditions.

It is possible to automatically supply the missing electrical energy from the existing public line during the hours when the electricity produced from the sun is low or not enough, in the cloudy hours, in the evening or at night. It is also possible to monitor, view and communicate the system remotely (optional). Support can also be provided for maintenance-operation services with the central system control that monitors 24/7. It can be followed locally or over the internet, and data can be provided as web and graphics. By carrying data with GPRS, data can be transferred to remote screens without the need to pull cables to the places where the solar system is mounted. Daily, weekly, monthly and yearly system performance, electricity produced, earnings can be viewed and recorded. Investors and facility owners are provided with comfort and convenience with advanced high-tech features such as remote configuration, monitoring, control and message receiving. We build sustainable structures with solar capped panels designed to be used with rooftop solar energy projects.

