



KMIT

Advantages of Building
with Light Gauge Steel

LGS

www.kmittrading.com



What is Light Gauge Steel (LGS)?

The Light Gauge Steel (LGS) construction system is a modern building technology that relies on galvanized, lightweight, and rust-free steel sections. These are precisely formed in specialized factories and quickly assembled on-site. The system is distinguished by its accuracy, speed of execution, and minimal waste. It fully complies with Saudi building codes and international standards.

Used Worldwide In:

- USA: Housing units after natural disasters and temporary schools.
- Australia: Ready-made houses and small hotels.
- UK: Student housing and field hospitals.
- India: Affordable housing and commercial buildings.
- Africa: Schools and healthcare centers in rural areas.

Did You Know?

Light Gauge Steel (LGS) has been used since the 1930s in the United States and Europe and spread widely during the 1980s and 1990s. Today, it is used in major construction projects around the world.

Execution Stages:



Study, Design, and Site Preparation

The project begins with a comprehensive study that includes structural and architectural analysis using specialized software to simulate loads and ensure compliance with local and international design standards. The site is then prepared by executing the necessary concrete foundations and civil works according to the nature and requirements of the project.



Fabrication and Installation of the Steel Structure

The steel sections are manufactured in specialized, fully automated factories with high precision to minimize errors and ensure readiness. They are then transported to the site for assembly with speed and efficiency, reducing construction time while achieving high accuracy and quality.



Utilities, Cladding, and Insulation

After assembling the structure, electrical networks, plumbing, and HVAC systems are installed with flexibility that allows easy maintenance and modification. Thermal and acoustic insulation layers are then added, followed by interior and exterior cladding works using various materials such as stone, wood, or aluminum – achieving both efficiency and high building quality.



Finishing and Handover

The process concludes with comprehensive finishing works, delivering the project fully completed and ready for use – in accordance with the highest quality standards.

Competitive Advantages:



Speed

Completion time reduced by up to 50% compared to traditional construction.



Cost Efficiency

Reduced operational and construction costs.



Strength and Durability

Resistant to earthquakes up to 5 degrees on the Richter scale and wind speeds up to 155 km/h.



Safety

Fire resistance for up to 90 minutes.



Flexibility

Easy to expand or modify in the future.



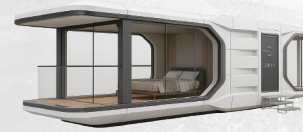
Sustainability

Environmentally friendly system that reduces waste and allows for recycling.





Fields of Application:



Smart Capsules



Residential

Villas and residential complexes.



Commercial

Offices, shops, and exhibition spaces.



Touristic

Resorts, chalets, and hotels.



Public Facilities

Guard rooms, kiosks, and mobile restrooms.



Ground Floor

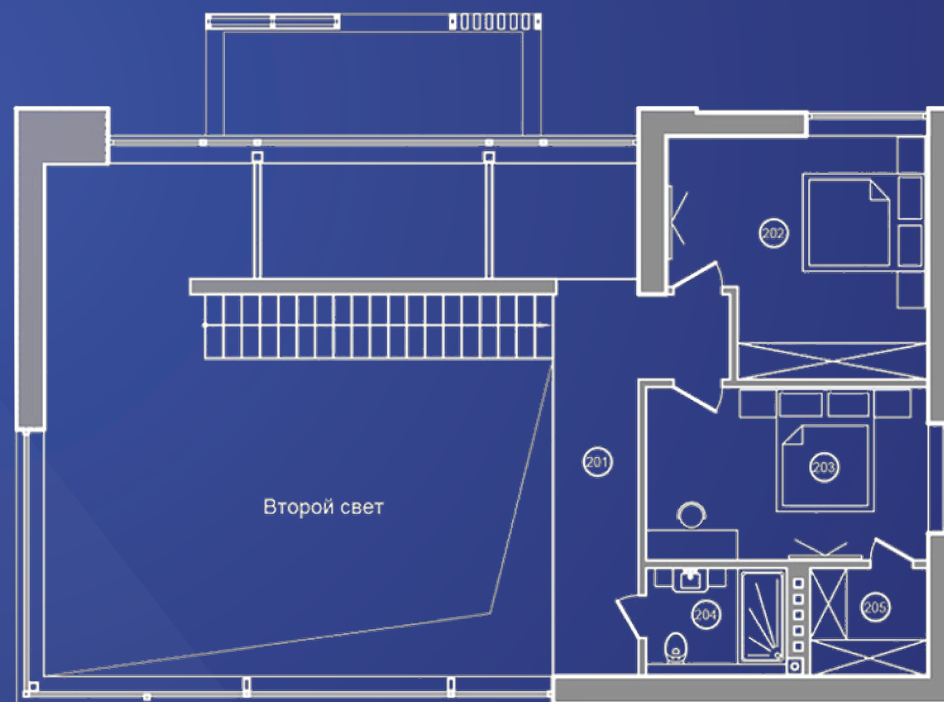
101 Entrance
102 Lobby
103 Dressing Room
104 Kitchen
105 Living Room
106 Bathroom
107 Storage Room
108 Office
109 Dressing Room
110 Bedroom
111 Bedroom
112 Bedroom

113 Bathroom
114 Storage Room
115 Storage Room
116 Room
117 Corridor
118 Spa Area
119 Shower
120 Bathroom
121 Sauna
122 Terrace (Closed)
123 Terrace (Open)
124 Swimming Pool



First Floor

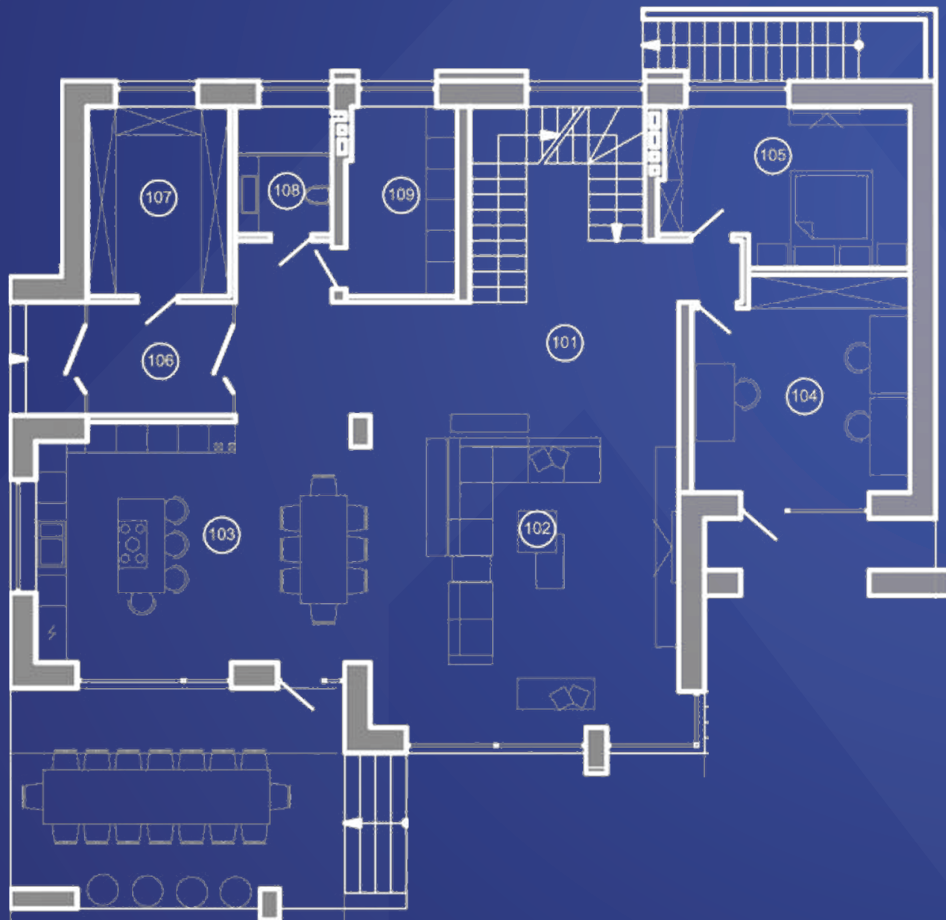
201 Corridor
202 Lounge
203 Bedroom
204 Bathroom
205 Dressing Room





Ground Floor

- 101 Living Room
- 102 Living Room
- 103 Kitchen & Dining Room
- 104 Office
- 105 Guest Bedroom
- 106 Corridor
- 107 Terrace
- 108 Bathroom
- 109 Laundry Room



First Floor

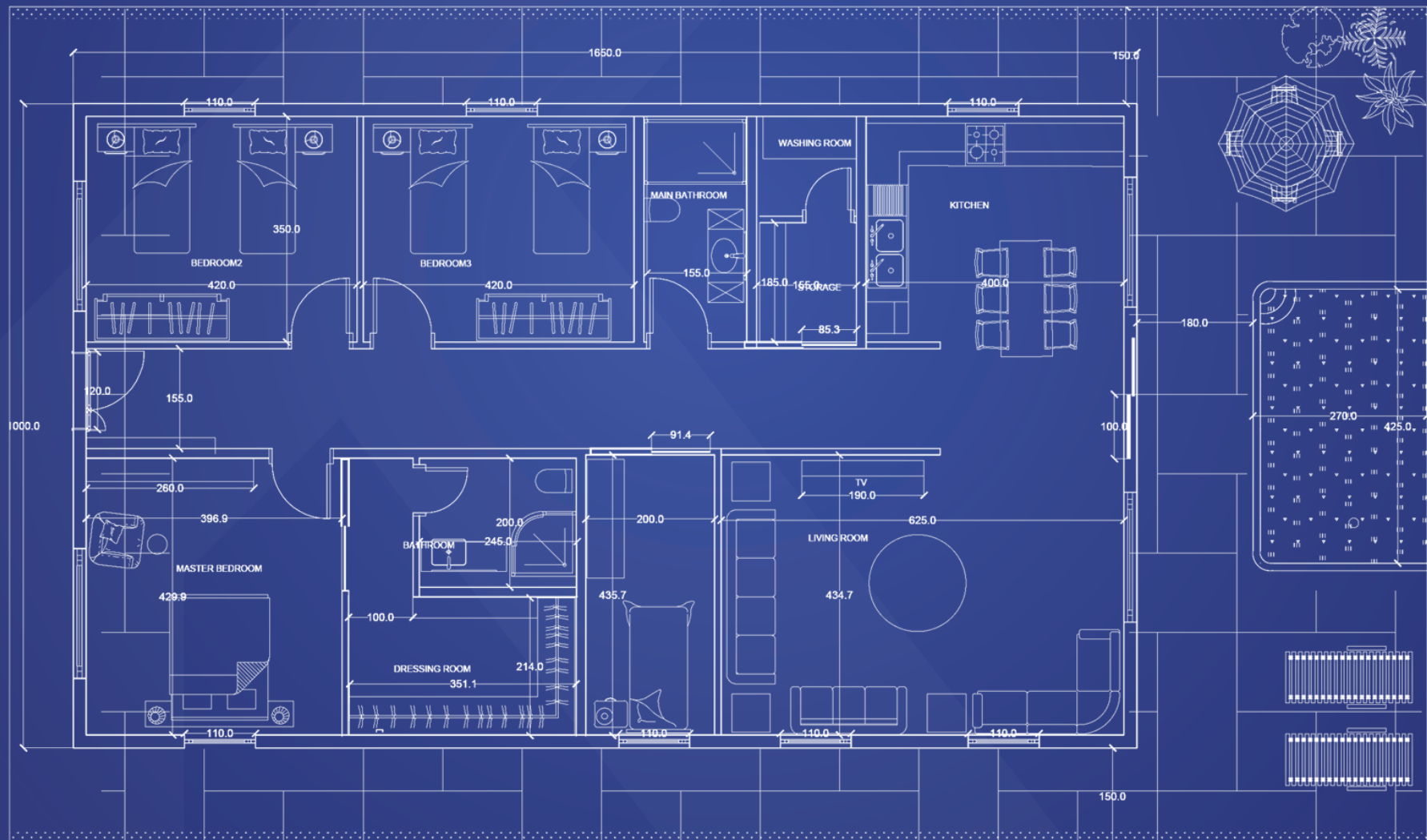
- 201 Corridor
- 202 Bedroom
- 203 Dressing Room
- 204 Bathroom
- 205 Bathroom
- 206 Bedroom
- 207 Bedroom
- 208 Bedroom
- 209 Terrace





Living Room
Kitchen
Master Bedroom
Dressing Room
Master Bathroom
Bedroom 2

Bedroom 3
Additional Bathroom
Laundry Room
Storage Room
Terrace (Outdoor Balcony)





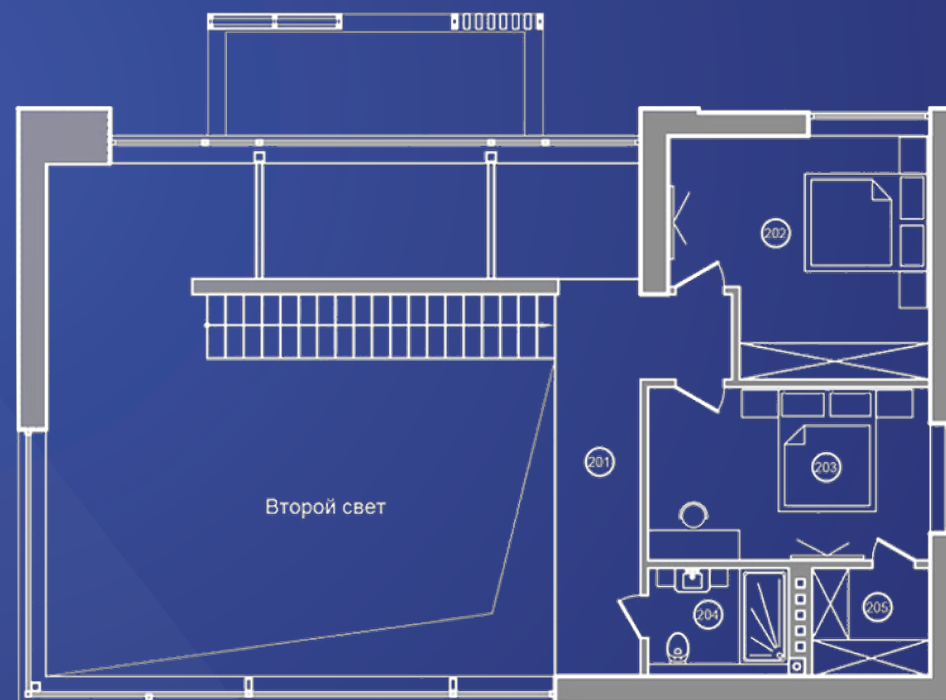
Ground Floor

Men's Majlis
Women's Majlis
Family Dining Room
Family Living Room
Coffee Corner
Maid's Room
Driver's Area
Storage Room
Laundry Room
Bathrooms



First Floor

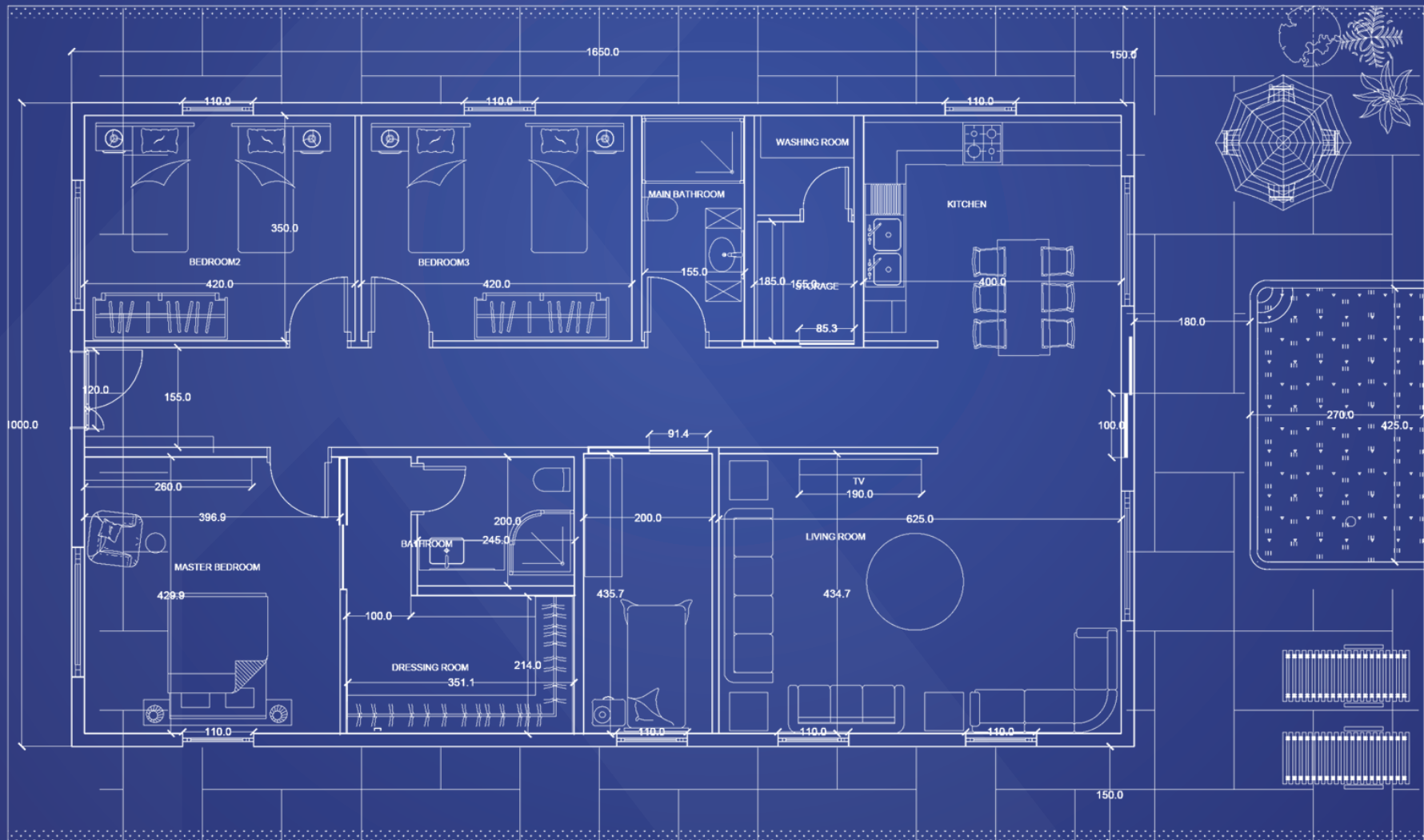
Master Bedroom with:
- Dressing Room
- Private Bathroom
Additional Bedrooms
Bedroom 1
Bedroom 2
Terrace (Balcony)
Additional Bathrooms





Men's Majlis
 Women's Majlis
 Family Dining Room
 Family Living Room
 Coffee Corner
 Kitchen
 Master Bedroom with:
 - Dressing Room

- Private Bathroom
 Bedroom 1
 Bedroom 2
 Maid's Room
 Driver's Area
 Laundry Room
 Storage Room
 Additional Bathrooms



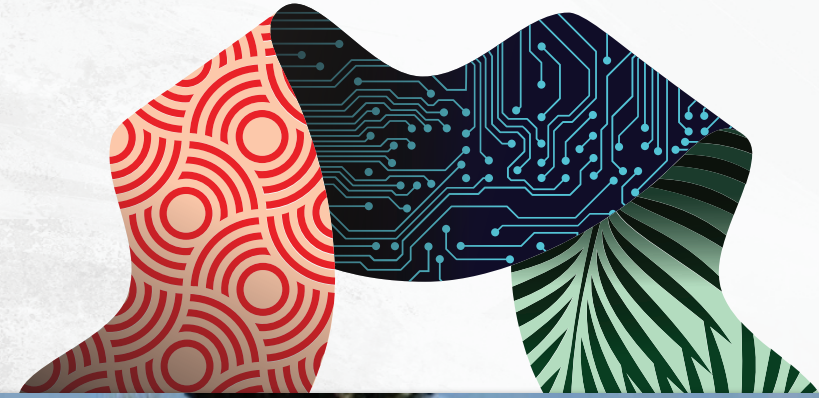
Prefabricated Residential Building

Location: Saudi Arabia

Construction System:

Light Gauge Steel (LGS)

نيوم NEOM



NEOM نيوم



Assembly
Duration

3 Days

Area

27m²

As part of our collaboration with NEOM in the Kingdom of Saudi Arabia, we were commissioned to design and produce 500 prefabricated residential buildings in the NEOM city area, located in the northwest of the Kingdom.

To demonstrate the efficiency of our solutions, we delivered a pilot model – a 27 m² prefabricated building constructed using the Light Gauge Steel (LGS) system.

Our specialized engineering team visited the project site to carry out the assembly process, which was completed within a record timeframe. The building was handed over on schedule, fully equipped and ready for immediate use, including complete plumbing, electrical systems, and high-quality interior and exterior finishes.

The client expressed great satisfaction with the prototype, recognizing it as an ideal solution that meets the project requirements within the defined budget – particularly for its high quality, rapid execution, structural strength and durability, exceptional thermal and acoustic insulation, and resistance to earthquakes and fire.

At our company, we excel in delivering residential and prefabricated building projects that meet the highest international standards. This excellence has driven growing demand for our products across the Kingdom and expanded our operations to supply large-scale quantities to multiple regions.

Our vision is built on providing innovative, practical, and reliable solutions that make prefabricated buildings a strategic choice for major developments across Saudi Arabia.



Kindergarten

Location: Saudi Arabia

Construction System:

Light Gauge Steel (LGS)

**Assembly
Duration**

8 Weeks

Area

1414m²

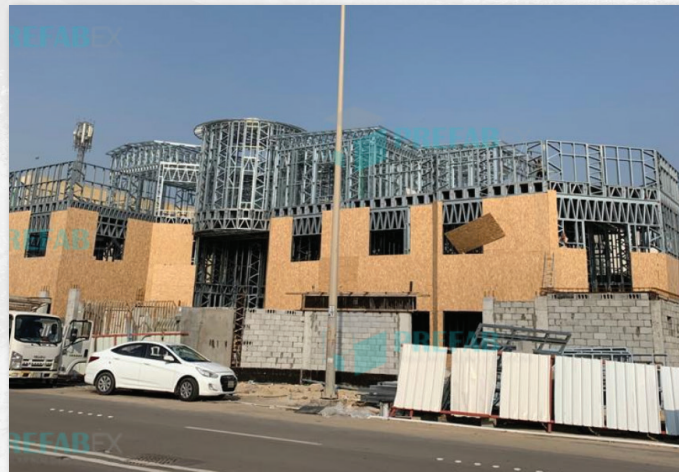


We designed and produced a Kindergarten with a total built-up area of 1,414 m² in the Kingdom of Saudi Arabia, utilizing Light Gauge Steel (LGS) technology in accordance with the client's specifications and vision for a modern educational facility.

The project included all essential and functional facilities such as restrooms, storage rooms, specialized classrooms for arts and technology, changing rooms, and fully equipped sports halls. The on-site installation was completed in just 8 weeks, and the building was delivered on schedule and within budget, fully equipped with windows, doors, plumbing, and electrical systems, in addition to high-quality interior and exterior finishes executed with precision and attention to detail.

The client expressed great satisfaction and appreciation for the manufacturing quality, speed of execution, and accuracy of delivery, recognizing the project as a modern and efficient solution for establishing a comprehensive educational environment in a short timeframe.

We provide our clients with ready-to-use educational building solutions that combine speed, efficiency, and cost-effectiveness, without compromising on quality.



Office Building

Location: Saudi Arabia

Construction System:

Light Gauge Steel (LGS)

**Assembly
Duration**

8 Weeks

Area

717m²

Floors

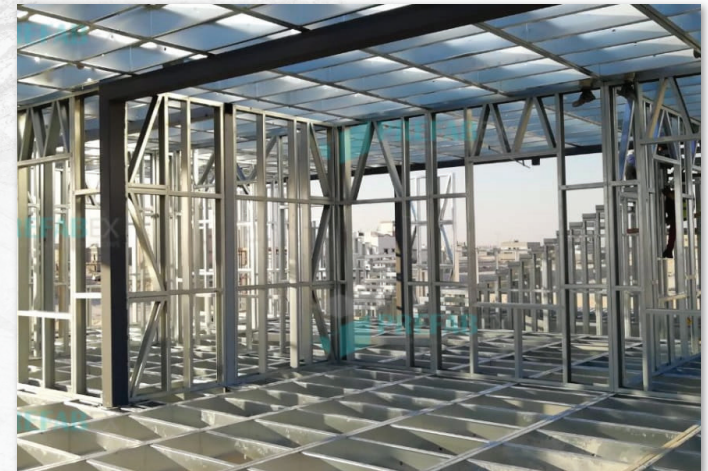
3



We designed and produced a three-story commercial prefabricated building with a total built-up area of 717 m², constructed using the Light Gauge Steel (LGS) system for one of our major corporate clients in the Kingdom of Saudi Arabia.

The building features executive offices, employee workspaces, meeting rooms, restrooms, a kitchen, a break room, and a dining hall. The project was delivered on schedule and within the agreed budget, fully equipped with windows, doors, paint finishes, flooring, plumbing, and electrical installations, in addition to high-precision interior and exterior finishing works executed to the highest standards of quality.

We believe that prefabricated buildings empower our clients to stay on track and move forward with speed and confidence, whether for residential or commercial projects. Our Light Gauge Steel (LGS) prefabricated solutions combine contemporary design, premium finishes, and superior craftsmanship, meeting our clients' aspirations while aligning with international quality standards.



Residential Building

Location: Saudi Arabia

Construction System:

Light Gauge Steel (LGS)

**Assembly
Duration**

8 Weeks

Area

630m²

Floors

3



We designed and produced a three-story prefabricated residential building with a total built-up area of 630 m² in the Kingdom of Saudi Arabia, constructed using the Light Gauge Steel (LGS) system.

The installation process was completed within just 8 weeks, and the building was handed over to the client on schedule, fully equipped with windows, doors, interior and exterior paint finishes, plumbing, and electrical systems. The project stood out for its exceptional quality, precision, and efficiency.

Through this project – as with our previous ones – we demonstrated our ability to deliver high-quality prefabricated residential buildings within record timeframes, meeting and exceeding our clients' expectations. We are fully prepared to execute a wide range of residential projects, from compact, cost-efficient units to large-scale, fully integrated residential complexes.

Our approach is based on manufacturing structural components in a controlled factory environment, adhering to the highest quality standards, and then transporting and assembling them on-site using specialized bolts without welding. This ensures fast, accurate installation and makes prefabricated buildings a practical and intelligent choice for modern residential developments.



Residential Villa

Location: Saudi Arabia

Construction System:
Light Gauge Steel (LGS)

**Assembly
Duration**

4 Weeks

Area

390m²

Floors

2



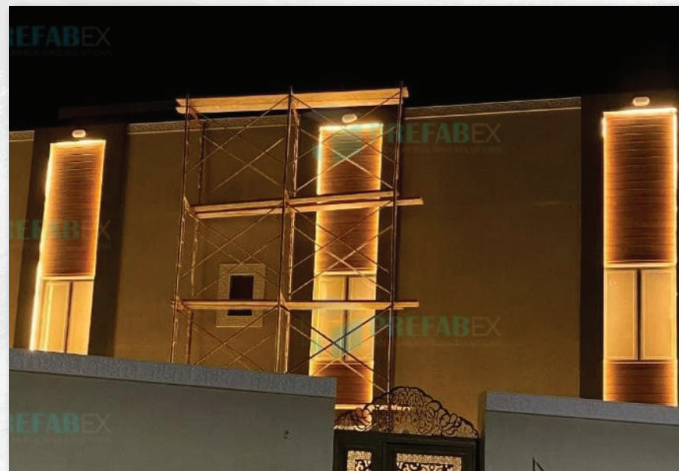
We designed and produced a two-story prefabricated villa with a total built-up area of 390 m² for one of our esteemed clients in the Kingdom of Saudi Arabia, using the Light Gauge Steel (LGS) construction system.

The villa features a wide variety of spaces that cater to every need – including master bedrooms, a spacious living room, a dining room, a fully equipped kitchen, a master bathroom with Jacuzzi, and several additional bathrooms. It also includes office rooms, a gym, and other functional spaces that enhance comfort and luxury for residents.

The installation process was completed within a record period of just four weeks, and the project was delivered on time, fully equipped with windows, doors, paint, and detailed interior and exterior finishes. The villa stands out for its architectural elegance, construction precision, and refined detailing.

At our company, excellence and quality lie at the heart of everything we do. We believe every project is an opportunity to transform vision into reality. We guarantee our clients ready-made villas with innovative architectural designs that meet the highest standards of luxury, providing comfortable, safe, and modern living environments.

All stages of production are carried out in a controlled factory environment, ensuring strict quality supervision at every step. We pay close attention to every detail – achieving beauty, functionality, and lasting value across all our projects.



Residential Villa

Location: Saudi Arabia

Construction System:
Light Gauge Steel (LGS)

**Assembly
Duration**

4 Weeks

Area

342m²

Floors

2



We successfully completed the design and production of a two-story prefabricated villa with a total built-up area of 342 m² for one of our valued clients in the Kingdom of Saudi Arabia, utilizing the Light Gauge Steel (LGS) construction system.

The ground floor was designed to combine functionality and luxury, featuring a sunlit sitting area with large windows, a spacious living room, a generous dining hall, and a modern, fully equipped kitchen. It also includes an office, a home cinema, and a dedicated gym room, offering a contemporary lifestyle experience.

The first floor comprises a master bedroom, two additional bedrooms, and high-quality bathrooms finished to the highest standards.

The project was executed and delivered on schedule and within the agreed budget, complete with windows, doors, decorative finishes, paintwork, plumbing, electrical installations, and full interior and exterior finishing works.

We are committed to applying the latest modern construction technologies with rigorous quality control across all production stages to ensure durable, long-lasting structures designed to provide the highest levels of comfort and luxury.

We believe every project is an opportunity to turn dreams into reality. Therefore, we offer our clients the flexibility to customize their preferred villa designs, which we then manufacture and deliver within a short timeframe and at optimized, cost-effective rates.



Steel Hangar for a Car Showroom

Location: United States

Construction System:

Light Gauge Steel (LGS)

**Assembly
Duration**

8 Weeks

Area

470m²



We recently completed the design and production of a steel hangar with a total area of 470 m², incorporating within it a 150 m² Light Gauge Steel (LGS) building, developed for one of our clients in the United States of America to serve as a specialized car repair center.

The project was delivered fully equipped – including windows, doors, electrical and plumbing installations, and high-quality paint finishes – on schedule and within the approved budget.

From the outset, we ensured the design combined operational efficiency and superior build quality. The main steel structure was designed with eight wide entrances, allowing access for vehicles of various sizes. The internal LGS building was designed to include two administrative offices, a waiting lounge, a restroom, a kitchen, and a storage room, ensuring complete functionality and a comfortable working environment.

The entire production process was carried out in our factory using advanced construction technologies under a strict quality control system. Upon completion, all structural components were transported to the project site, where our engineering team performed the assembly and installation with precision and professionalism, ensuring full compliance with the approved design and specifications.

We have successfully executed numerous steel hangar and metal building projects worldwide, consistently delivering high-quality solutions that combine speed, structural durability, and multi-purpose functionality. Our buildings are designed to withstand harsh weather conditions such as heavy rain, snow, and strong winds, as well as natural disasters including earthquakes and fires.

With our extensive experience, we are committed to providing comprehensive, turnkey projects that help our clients achieve their goals and meet their operational needs – with a consistent promise of quality, speed, and reliability.



Prefabricated Houses

Location: United States
Construction System:
Light Gauge Steel (LGS)

Assembly Duration	Area	Floors
8 Weeks	314m ²	2



With pride and leadership, we have successfully completed a distinguished residential project consisting of two prefabricated houses in Alabama, United States, utilizing the latest advanced steel frame construction technologies to deliver a model that combines exceptional quality and outstanding durability.

The project is characterized by innovative engineering and sophisticated architectural design, where we added a touch of luxury to every detail of the interior finishes – giving each space a distinctive atmosphere that harmonizes comfort and elegance.

Each house has a built-up area of 314 m², thoughtfully designed to achieve a perfect balance between open spaces and functional living, featuring spacious bedrooms, generous living areas, and elegant interior details that reflect refined taste and meticulous attention to quality.

This project represents a comprehensive model that blends architectural elegance, structural efficiency, and a premium living experience, in line with the highest international standards. It reflects our continued commitment to delivering advanced residential solutions that meet client aspirations and redefine modern, comfortable living.



Luxury Hotel Restrooms

Location: Saudi Arabia

Construction System:

Light Gauge Steel (LGS)

**Assembly
Duration**

4 Weeks

Area

**400 x
6m²**



We recently completed the design and production of 400 prefabricated steel sanitary units (hangars), each with an area of 6 m², for one of the luxury hotels in the Kingdom of Saudi Arabia. The project was delivered fully equipped – including windows, doors, electrical and plumbing systems, and high-quality paint finishes – on schedule and within the approved budget.

From the outset, we ensured that the project combined operational efficiency with superior execution quality, with each unit meticulously designed to meet all functional and operational requirements of a modern hospitality facility.

The entire production process was carried out in our factory using state-of-the-art construction technologies under a strict quality control system. Once completed, all structures were transported to the project site, where our engineering team handled the installation and assembly with precision and professionalism, ensuring full compliance with the approved designs and technical specifications.

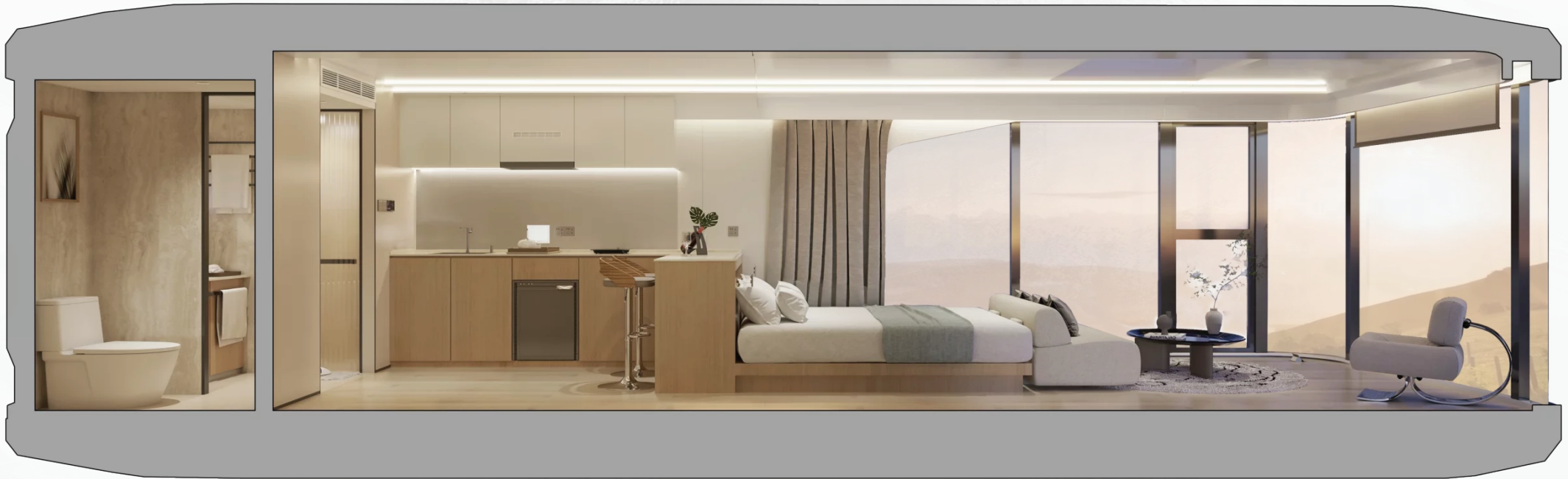
We have successfully delivered numerous steel hangar and metal building projects worldwide, continually providing high-quality solutions that combine speed, structural strength, and versatile functionality. Our buildings are engineered to withstand harsh weather conditions, including heavy rain, snow, and strong winds, as well as natural disasters such as earthquakes and fires.

With our extensive experience, we are committed to delivering comprehensive, turnkey projects that help our clients achieve their goals and meet all their operational needs – with an unwavering promise of quality, efficiency, and reliability.







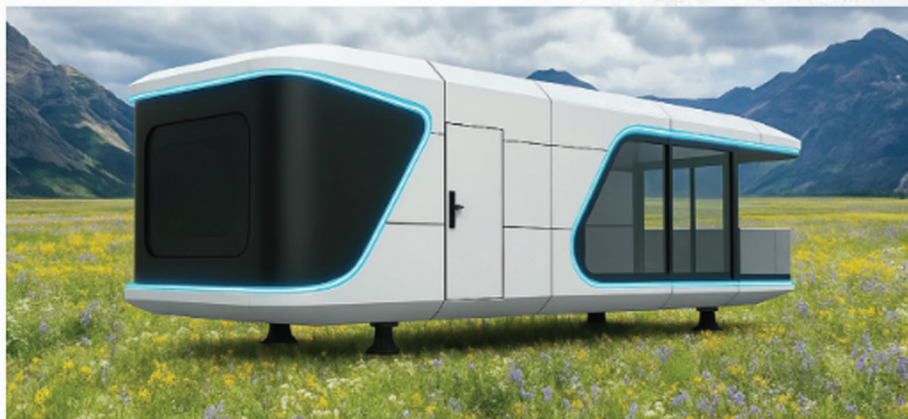


Smart Capsules

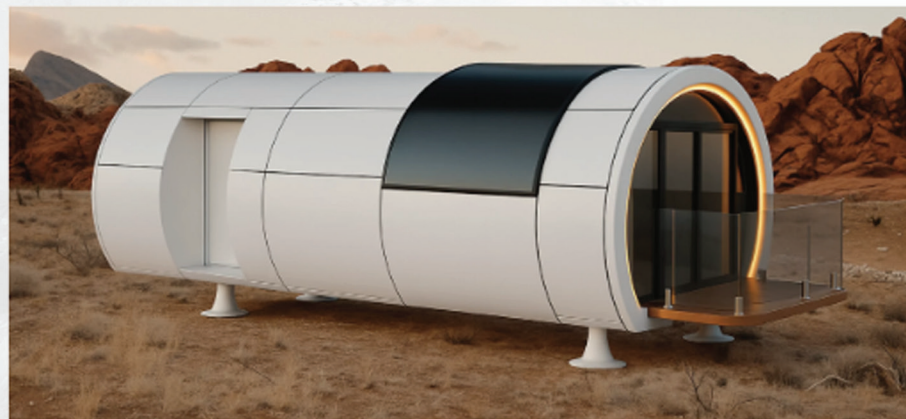
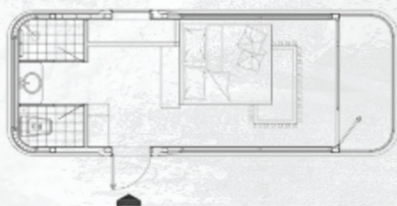
Competitive Advantages

Our extensive experience in steel structures grants our products unique advantages and reinforces our commitment to the highest standards of safety and professionalism in all our operations.

- One-year full warranty, including free replacement of damaged parts.
- High-quality certified materials with a service life of up to 50 years.
- International standards and certifications: WATER MARK, AS/NZS, ACRS, CE, UL.
- Advanced production capacity: Over 140,000 m² of factory space and more than 100 specialized technicians.
- Field support: Technical guidance and on-site installation services.
- Superior resistance: Waterproof (IP66), Earthquake resistance (up to level 9), Wind resistance (up to level 12), and Fire resistance (up to 4 hours).
- Flexible modular design: Stackable units, easy installation, and relocatable at any time.



 8490*3300*3200mm
 ≈7 Tons
 28.0m²



 11500*3200*3300mm
 ≈9 Tons
 38.0m²



 11500*3300*3200mm
 ≈9 Tons
 38.0m²



 7000*3200*3500mm
 ≈6.5 Tons
 24.5m²

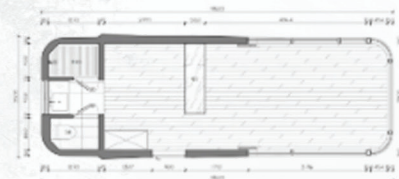




 9300*3200*3200mm
 ≈7 Tons
 29.8m²



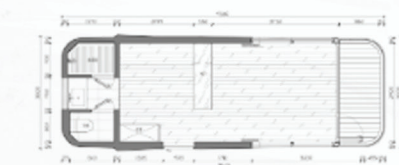
 11500*3200*3200mm
 ≈9 Tons
 36.8m²



 9500*3300*3200mm
 ≈7 Tons
 31.4m²



 11500*3300*3200mm
 ≈9 Tons
 38.0m²

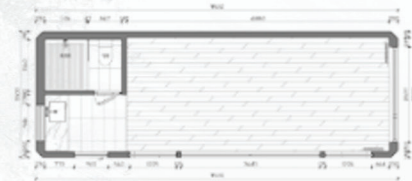




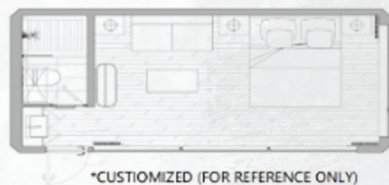
 9300*3200*3200mm
 ≈7 Tons
 29.8m²



 11500*3200*3200mm
 ≈9 Tons
 36.8m²



 9300*3300*3200mm
 ≈6.5 Tons
 24.8m²



 9500*3500*3200mm
 ≈7 Tons
 33.3m²





Our Partners

Our Partners



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