

# Steel Frame Prefabricated Homes Catalogue



AYGNC - Consulting, Engineering,  
Construction, Energy & Export  
Corporation

# Welcome to Our Company

AYGNC – Consulting, Engineering, Construction, Energy & Export Corporation is a multidisciplinary company based in Ankara, Türkiye.

We provide innovative, sustainable, and high-quality solutions in engineering, construction, energy, and export industries.

With our strong technical expertise and global partnerships, we deliver modern steel-structured prefabricated housing systems and turnkey projects that combine the strength of steel, architectural design, and long-term efficiency.



# Steel Prefabricated Home Models



**AYGNC COMPACT 28**

**Description:**

Minimal 1+0 single-unit modular house ideal for small plots or holiday use.

**Specifications:**

28 m<sup>2</sup> • 1 Room • Galvanized Steel Frame  
EPS Insulated Panels • PVC Windows •  
Laminate Flooring



**AYGNC FAMILY 45**

**Description:**

Functional 2+1 prefab home combining comfort and efficiency for small families.

**Specifications:**

45 m<sup>2</sup> • 2 Bedrooms • Steel Frame • 13  
cm Wall Panels • Modern Roof • Double-  
Glazed Windows



**AYGNC MODERN 51**

**Description:**

Stylish and space-efficient 2+1 modular home with high insulation.

**Specifications:**

51 m<sup>2</sup> • 2+1 Plan • Galvanized Steel •  
Thermal EPS Panels • Modern Ceiling •  
Interior Height 2.80 m

# Steel Prefabricated Home Models



**AYGNC COMFORT 64**

**Description:**

Contemporary 3+1 prefabricated home with ergonomic interior layout.

**Specifications:**

64 m<sup>2</sup> • 3 Rooms • Steel Frame • Rock Wool / EPS Insulation • Sloped Roof • French Front Windows



**AYGNC RESIDENCE 73**

**Description:**

Elegant 3+1 single-story house offering spacious living and energy efficiency.

**Specifications:**

73 m<sup>2</sup> • 3+1 • 13 cm Wall Thickness • Reinforced Roof • Insulated Doors & Windows



**AYGNC STYLE 75**

**Description:**

Modern 3+1 prefabricated home designed for permanent living comfort.

**Specifications:**

75 m<sup>2</sup> • 3 Bedrooms • Steel Frame • Fire-Resistant Panels • Double Roof Drainage

# Steel Prefabricated Home Models



**AYGNC VILLA 95**

**Description:**

Elegant 3+1 single-story villa combining luxury design with energy efficiency.

**Specifications:**

95 m<sup>2</sup> • 3+1 • Steel Frame System • 13 cm Wall Panels • Insulated Roof • PVC Double-Glazed Windows • Modern Bathroom Fixtures



**AYGNC COMFORT 97**

**Description:**

Spacious 3+1 modular home offering modern architecture and excellent insulation.

**Specifications:**

97 m<sup>2</sup> • 3+1 • Galvanized Steel • Fireproof Wall Panels • Sloped Roof Design • Laminate Flooring • High Thermal Efficiency



**AYGNC GRAND 102**

**Description:**

A large prefabricated villa designed for families seeking both comfort and style.

**Specifications:**

102 m<sup>2</sup> • 3+1 • Reinforced Steel Frame • Rock Wool Insulation • Decorative Facade • Modern Roof • Wide Terrace

# Steel Prefabricated Home Models



**AYGNC ELITE 83**

**Description:**

Premium 3+1 modular home featuring open interiors and high-quality materials.

**Specifications:**

83 m<sup>2</sup> • 3+1 • Steel Frame • Thermal + Acoustic Insulation • PVC Double Windows



**AYGNC GRAND 87**

**Description:**

Spacious 3+1 family home with a large terrace and elegant façade.

**Specifications:**

87 m<sup>2</sup> • 3+1 • Galvanized Steel • Modern Roof • EPS + Rock Wool Panels • Ceramic Flooring



**AYGNC VILLA 100**

**Description:**

A modern 3+1 villa with superior comfort and architectural elegance.

**Specifications:**

100 m<sup>2</sup> • 3+1 • Steel Structure • Fireproof Insulation • 90x90 Shower Cabin • Granite Countertop Kitchen

# Steel Prefabricated Home Models



**AYGNC PRESTIGE 103**

**Description:**

A stylish 3+1 prefabricated villa offering modern architecture, spacious interiors, and strong insulation performance.

**Specifications:**

103 m<sup>2</sup> • 3+1 • Galvanized Steel Frame • Fireproof Wall Panels • Thermal & Acoustic Insulation • Sloped Roof Design • Double-Glazed PVC Windows • Decorative Exterior Finish



**AYGNC DUPLEX 123**

**Description:**

Elegant two-story modular villa designed for families who value comfort and aesthetics.

**Specifications:**

123 m<sup>2</sup> • 3+1 Duplex • Reinforced Steel Structure • 2.8 m Ceiling Height • Balcony • Decorative Facade • Ceramic Flooring



**AYGNC LUXURY 126**

**Description:**

Premium prefabricated villa with large living spaces, modern finishes, and superior insulation.

**Specifications:**

126 m<sup>2</sup> • 3+1 • Heavy Steel Frame • 13 cm Wall Panels • Thermal + Acoustic Insulation • Sloped Roof • Double-Glazed PVC Windows • Smart Home Ready

# General Features of AYGNC Steel Prefabricated Homes

All AYGNC prefabricated buildings are manufactured using high-quality galvanized steel structures and modern production technologies to ensure durability, comfort, and long service life.

## Structural Specifications

- Load-bearing system fully made of galvanized steel.
- Exterior and interior wall thickness: 13 cm, height: 2.80 m.
- Roof frame constructed with stainless steel profiles.
- Modern roof types applied for all models.
- Ceilings: gypsum boards with plaster finish.
- Roof insulation: 10 cm glass wool layer.



# General Features of AYGNC Steel Prefabricated Homes

## Interior Finishes

- **Doors:** American-style panel interior doors and steel exterior doors.
- **Windows:** Double-glazed PVC windows (Front: 120x190 cm, Side: 120x117 cm, Vent: 60x40 cm).
- **Flooring:** Laminate parquet throughout the interior.
- **Walls and Paint:** Interior and exterior painted with decorative trims and corner moldings.



# General Features of AYGNC Steel Prefabricated Homes

## Kitchen & Bathroom

- Kitchen Cabinets: Custom design according to the project, granite countertop, and MDF/laminated or acrylic doors.
- Bathroom/WC: Tiled walls and Kalebodur floor covering.
- Shower Cabin: 90x90 cm frameless glass shower unit.

## Installations

- Electrical and plumbing systems: Concealed installation, fully integrated into the building structure.
- Rainwater drainage: Roof gutters and downspouts included.



# General Features of AYGNC Steel Prefabricated Homes

## Additional Details

- **Balcony parapets:** Built with Ytong blocks and finished with marble top.
- **Sound insulation:** Enhanced internal wall panels ensure high acoustic comfort.
- **Thermal insulation:** Complies with regional climate requirements for energy efficiency.
- **Relocation:** Buildings can be disassembled and reinstalled at new sites with minimal material loss (~20%).



# FLOOR PLANS & LAYOUTS

## AYGNC COMPACT 45



# FLOOR PLANS & LAYOUTS

## AYGNC FAMILY 70



# FLOOR PLANS & LAYOUTS

## AYGNC COMFORT 64



# FLOOR PLANS & LAYOUTS

## AYGNC MODERN 51



# FLOOR PLANS & LAYOUTS

## AYGNC GRAND 87



# FLOOR PLANS & LAYOUTS

## AYGNC STYLE 75





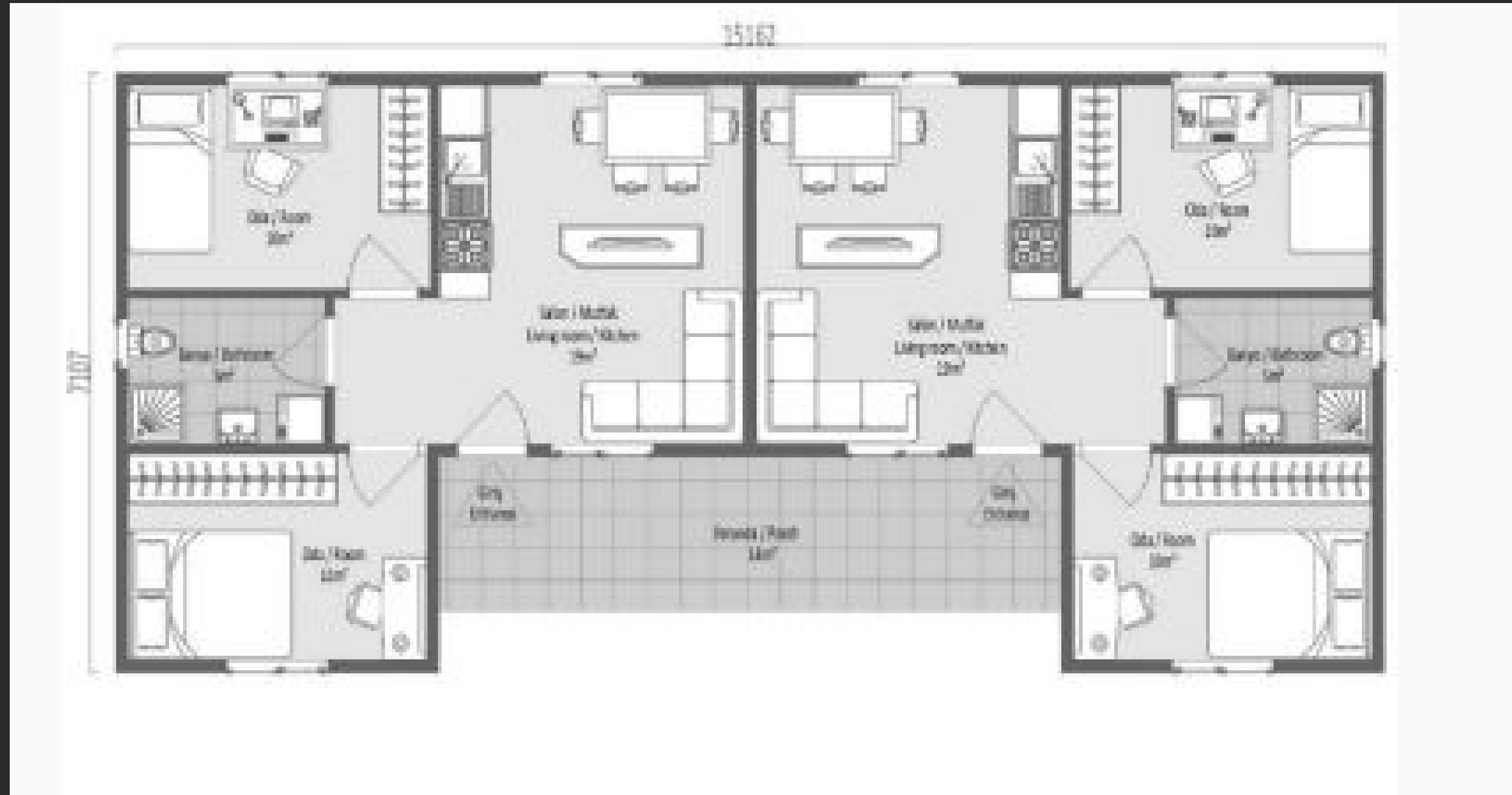
# FLOOR PLANS & LAYOUTS

## AYGNC RESIDENCE 73



# FLOOR PLANS & LAYOUTS

## AYGNC ELITE 83



# FLOOR PLANS & LAYOUTS

## AYGNC LUXURY 102



# AYGNC DUPLEX 123

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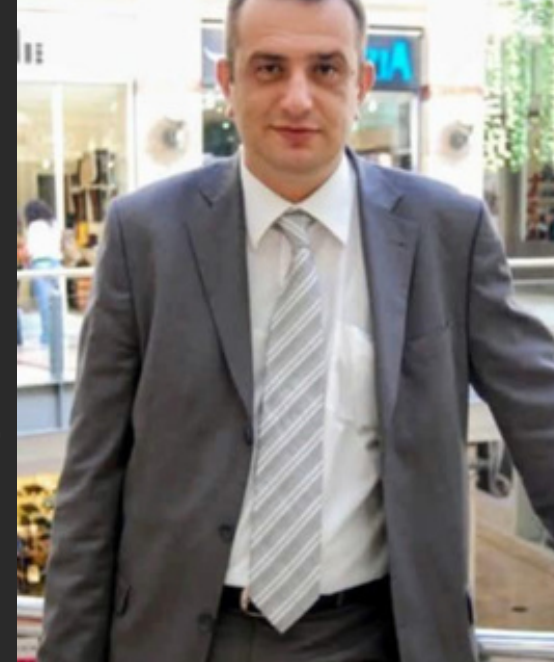
# Meet Our Team



**Güçlü Demirci**  
CEO



**Ahmet Özturgut**  
General Manager



**Orhan Özçakmak**  
Construction  
Director



**Can Eyübođlu**  
Export Director



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# Get in Touch with Us

+90 (312) 492 10 95

info@aygnc.com

Meşrutiyet Street No: 10 / 15  
Cankaya – Ankara, Türkiye  
(Head Office)

