KENZ
كنز
شركة كنز العربية العالمية للمقاولات



SHELTER SOLUTIONS

THE EQUIPMENT GETS THE ATTENTION.

THE SHELTER CARRIES THE RESPONSIBILITY.



KENZ Al Arabia International Contracting Co.

Engineered to protect what keeps Saudi Arabia moving.

A shelter begins with what goes inside.

KENZ Al Arabia International Contracting Co.

Based in Saudi Arabia, KENZ engineers and fabricates equipment shelters around their intended duty. The equipment layout informs the structure, enclosure, and service provisions.





The network reaches further.

Its protection should follow.

Our vision is to become a trusted Saudi partner for equipment shelters that support connected communities, industrial development and essential infrastructure.



The brief is the beginning of the build.



Our mission

To translate the client's equipment, environmental and installation requirements into a coordinated shelter solution.

Structural design, enclosure detailing and fabrication follow the same project brief, with agreed inspection and delivery requirements.

Good engineering leaves a clear trail of decisions.



The detail
is the promise.

01 Discipline
Start with the equipment duty and approved design.

02 Accountability
Make responsibilities and inspection points clear.

03 Integrity
Support claims with drawings, records and evidence.

04 Collaboration
Connect client, engineering and workshop decisions.

05 Improvement
Carry lessons from each build into the next.

Behind a connected country, equipment needs a place to work.



Telecommunication Equipment Shelter

Communications

Shelter layouts for network and radio equipment.

Energy

Space for electrical, battery and solar equipment.

Essential operations

Access and environmental provisions around each installation.

A drawing is only useful **when the workshop can build it.**





DESIGN

Original structural and sectional material makes the construction logic visible.

FABRICATE

Workshop photographs trace that logic through the chassis, frame and completed shell.

The most important layer is the one you'll never see.

100 mm of rockwool insulation. Hidden behind the finish. Engineered for thermal protection.



WALL INSULATION

High-density rockwool sits behind the internal lining in this reference design.

The finished surface conceals the layers selected to manage heat transfer around the equipment.

The cabinet releases heat.
The shelter must account for it.

ACTIVE COOLING

Equipment heat output and ambient conditions guide cooling provision.

Rack layouts and cable entries guide access.



Active Air-Conditioned Telecom Shelter

A louver is part of an airflow decision.



Passive Ventilation Shelter

Louver location, heat rejection and exposure belong in the same design discussion.

BATTERY DUTY

Chemistry informs ventilation, safety provisions and floor finishes.



Battery Shelter

Power needs room to breathe.



Generator Set Shelter

01 INTAKE

Airflow around the package

02 EXHAUST

A defined discharge route

03 ACCESS

Space to maintain it

The electrical duty sets the enclosure brief.



Electrical Equipment Shelter

Layout informs access, clearances and service interfaces.

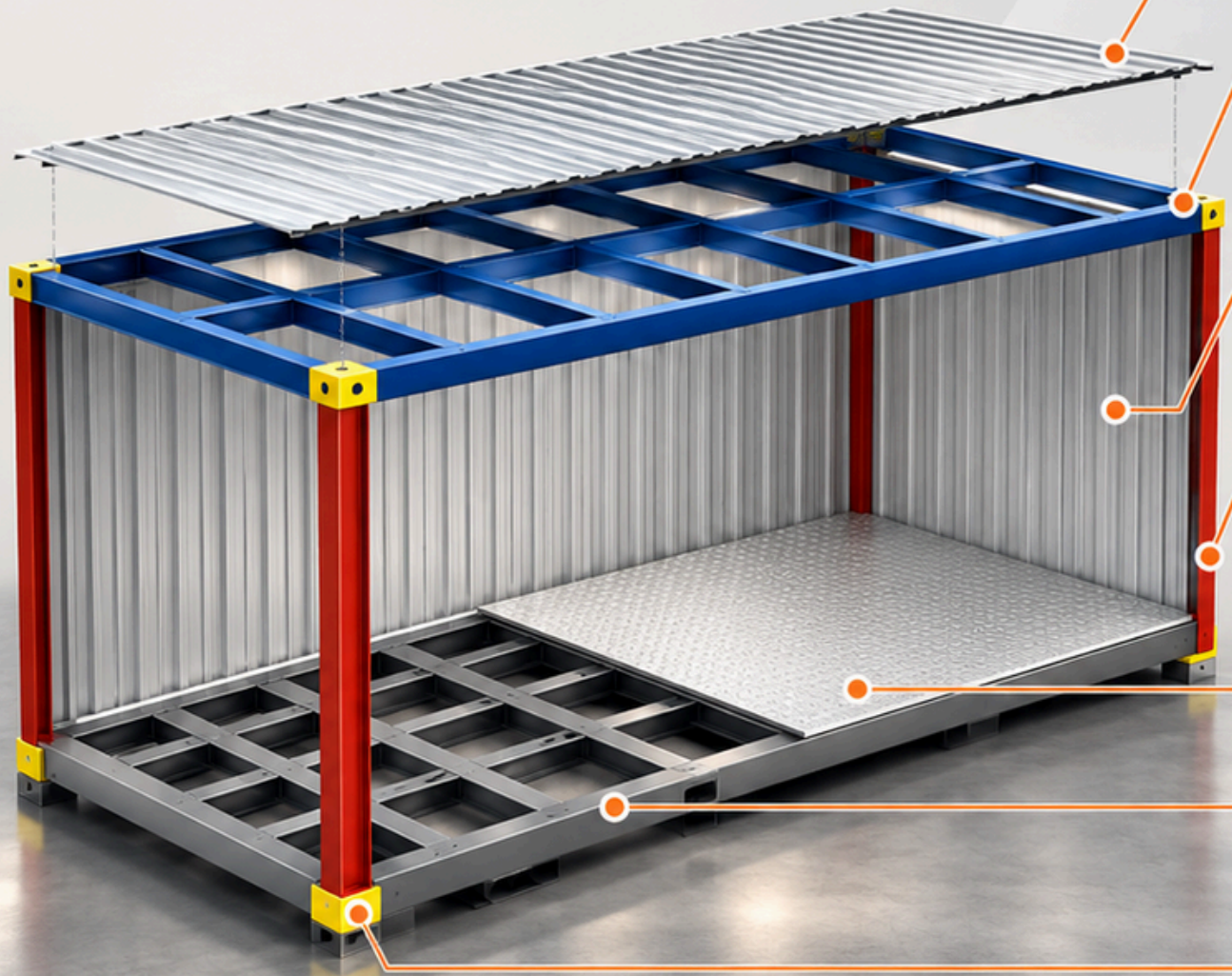
SOLAR CONTROL & INVERTERS

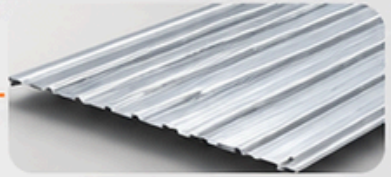
Space for conversion, control and monitoring equipment.



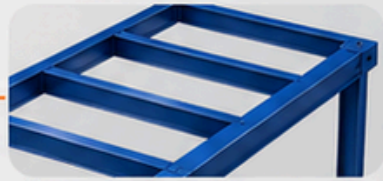
Solar Control Shelter

The chassis carries every decision above it.





Roof sheet
2.2 mm / specified slope



Roof frame
UPN160 members
and corner castings



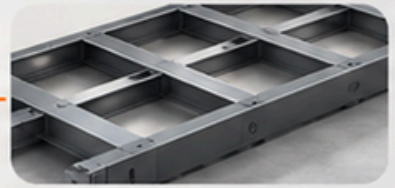
Wall sheets
2.2 mm corrugated steel



Columns
6 mm cold-formed steel



Floor plate
3.2 mm chequered steel



Chassis
IPE240 / IPE160
Source load: 15 kN/m²



Lifting & joints
Centre of gravity and
structural corner details

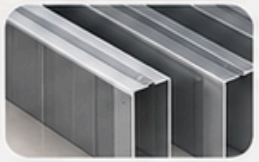
A connected structural system, from chassis to roof, columns, walls and joints, engineered for strength, alignment and service life.

The surface is only the last layer.

WALL



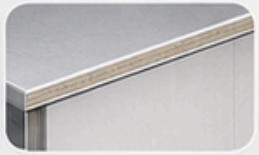
Thermal barrier
50 mm light rockwool



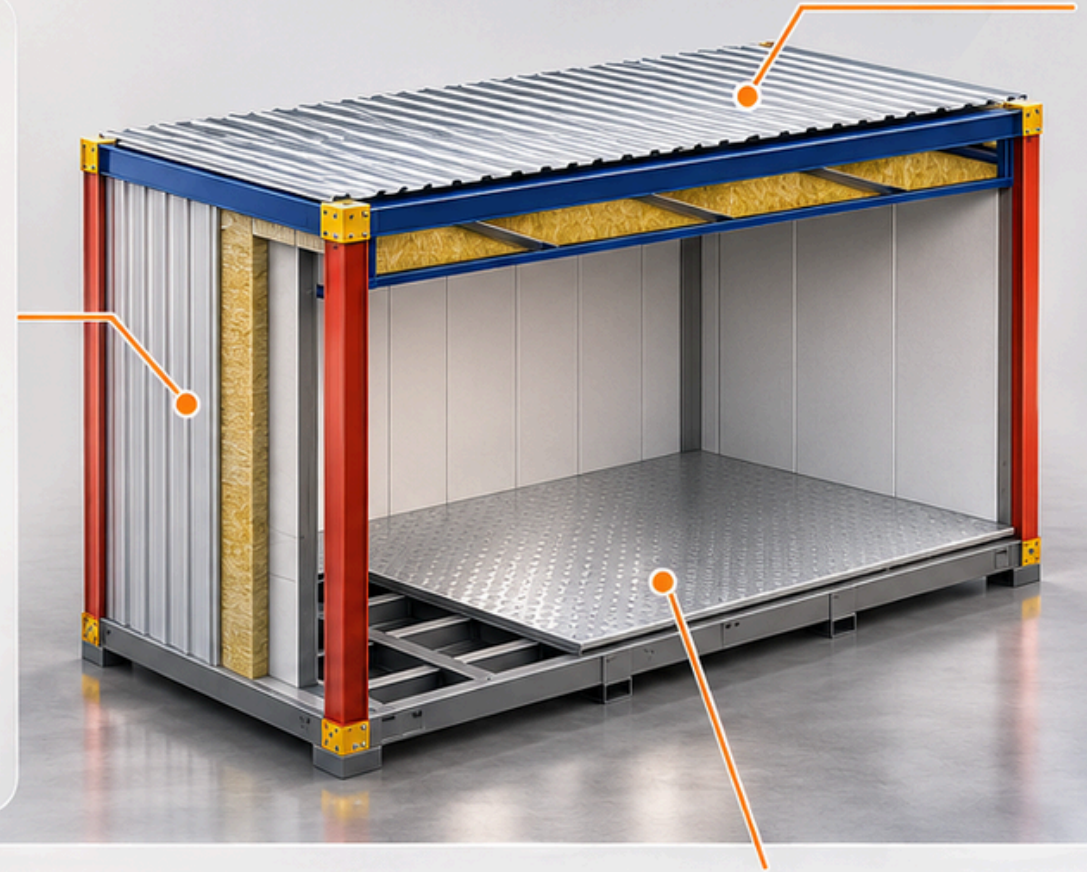
Wall studs
RHS 100 × 50



Insulation
100 mm rockwool



Internal lining
HPL, panels or metal sheets



ROOF



Roof insulation
150 mm rockwool

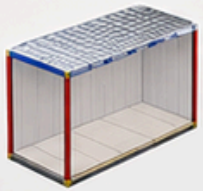


Ceiling
Client-selected lining



Roof-section detail

FLOOR



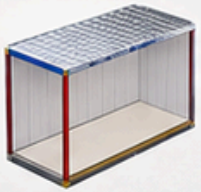
Rockwool
200 mm



Plywood
30 mm, fire-rated



Protection
2 mm sheet



Floor finish
Antistatic / acid-resistant

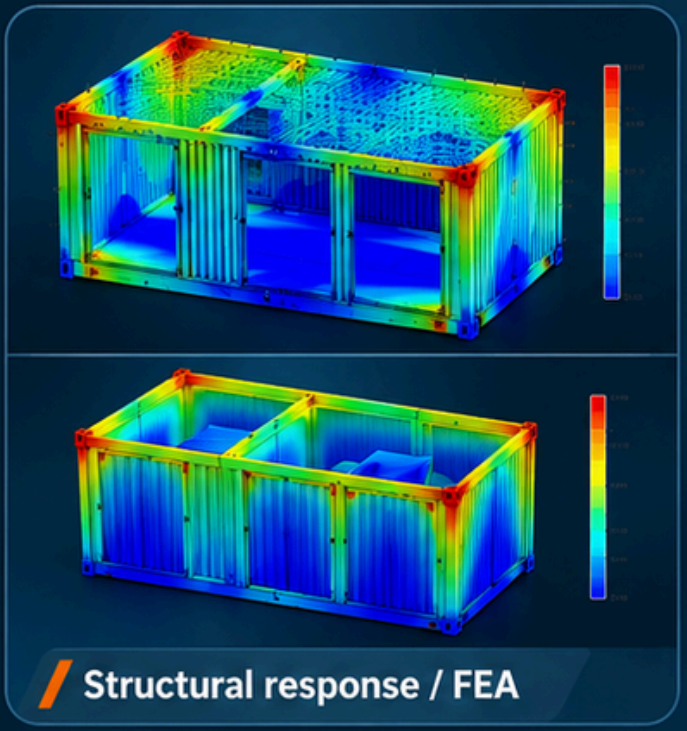




Floor-section details

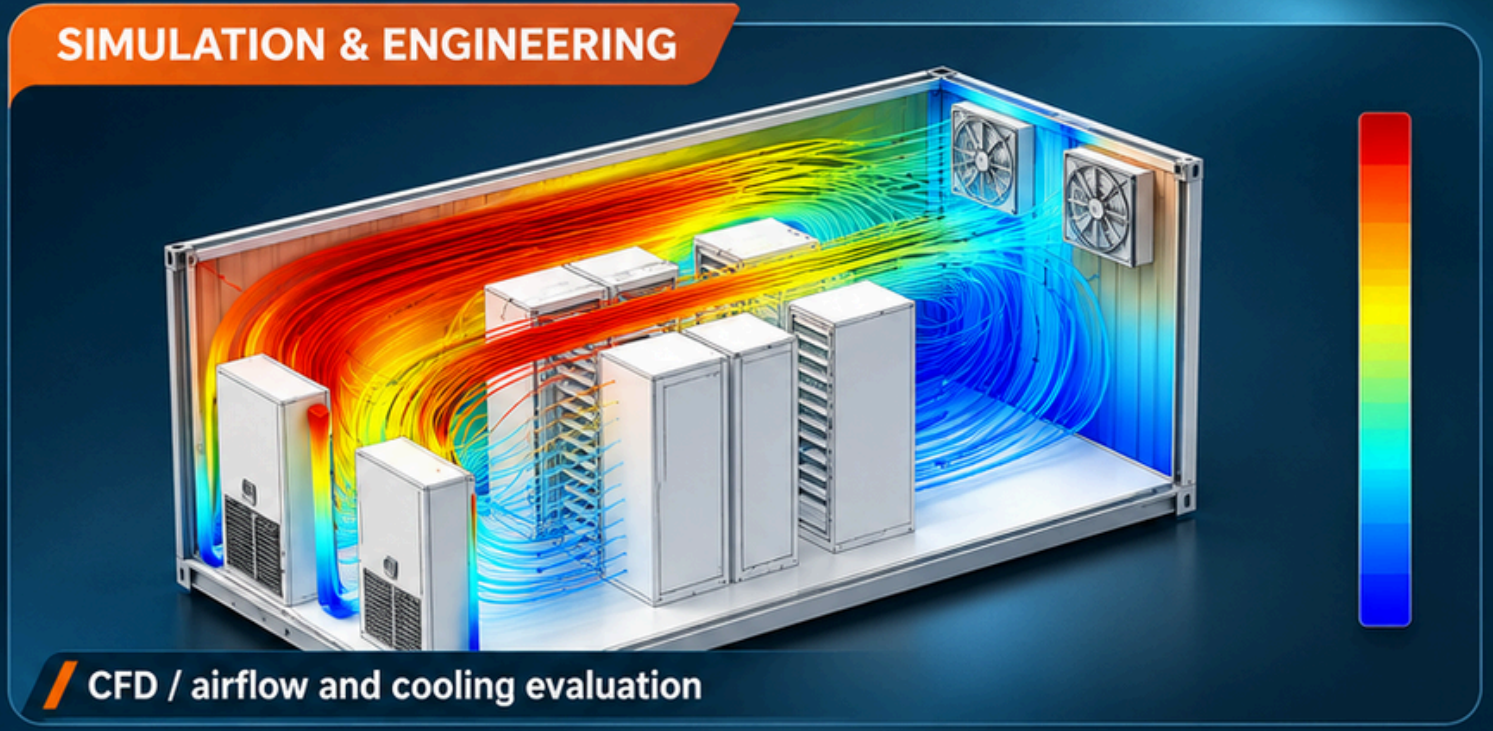
A coordinated wall, floor and roof build-up, engineered for thermal control, durability and long service life.

The model asks
what the finished shell cannot show.



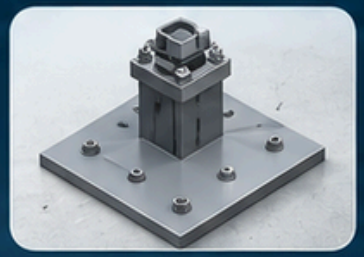
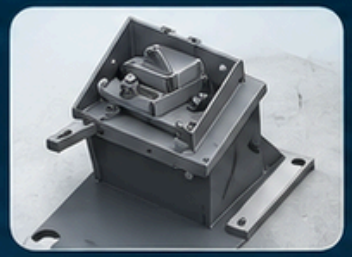
Structural response / FEA

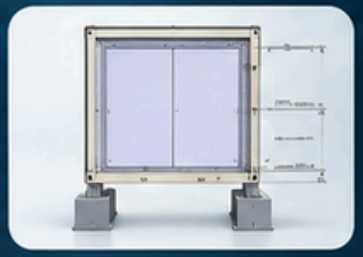
SIMULATION & ENGINEERING



CFD / airflow and cooling evaluation

FINISHING, INSPECTION & FIXATION

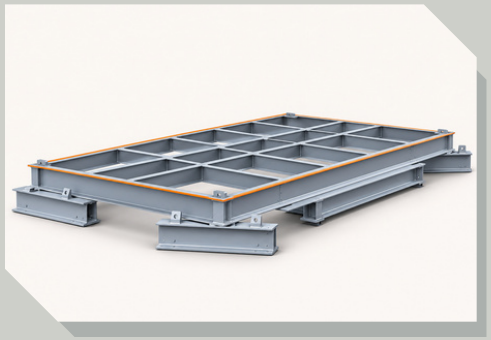



Internal finishing and review before paint. Permanent or relocatable fixation follows the approved installation design.

Before there is a room,
there is a load path.

01

Chassis foundation



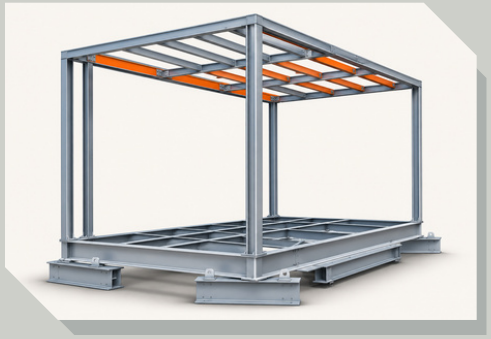
3D reference



Actual fabrication

02

Primary frame



3D reference



Actual fabrication

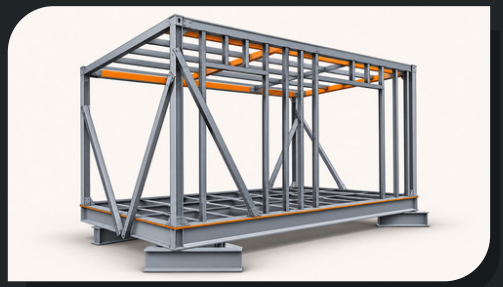
The frame is still exposed.

So is the workmanship.

03 Frame development



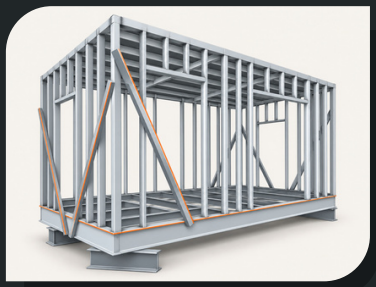
3D
REFERENCE



04 Coated frame



3D
REFERENCE



An opening in the steel
starts as a requirement.

05 Wall fit-up

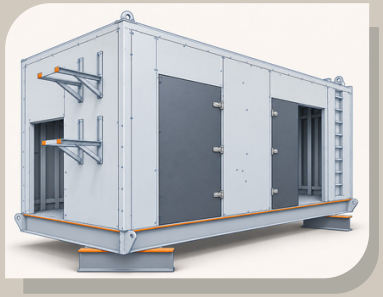




3D reference

06 Shell closure





3D reference

Doors and service provisions take shape with the enclosure.

The colour comes last.

The decisions came first.

07 Service interfaces





3D reference

Louvers, brackets and access points remain part of the finished shell.

08 Completed SANS Container Shelter



FINAL 3D REFERENCE





SANS
خدمات الملاحة الجوية السعودية
Saudi Air Navigation Services

Saudi Air Navigation Services

The project record follows the shelter through fabrication, finishing, workshop checks and load-out.

The door is measured
against the job behind it.





ROOM TO REACH THE EQUIPMENT

Openings, steps and service interfaces affect how personnel install, inspect and maintain what is inside.

The roof meets water
before it reaches the site.



Water-ingress testing activity





Pre-delivery inspection

The shelter has a second load case.

The journey.



Hoisting



Trailer positioning

Lifting and transport deserve their own engineering considerations.

The workshop is one environment.

The destination is another.





HANDLING & INSTALLATION

Base support, vehicle access and equipment handling connect the finished enclosure to its installation requirements.

A small piece of steel.
A whole shelter to consider.



Original lifting-lug and corner-joint details



CENTRE OF GRAVITY

The source design considers the shelter's centre of gravity when developing its lifting provisions. The lug belongs to the structure around it.

Tell us what must work inside.

We can define what belongs around it.

01	**Equipment & layout**	Dimensions, weights, rack arrangement and maintenance access.
02	**Operating environment**	Location, ambient conditions, heat output and internal requirements.
03	**Interfaces & services**	Power, cable entries, ventilation and specified safety provisions.
04	**Installation & acceptance**	Foundations, handling constraints, inspections and delivery scope.

The finish is visible.

The reasoning is available.



A design you can examine

Structural, sectional and simulation material.

A build you can follow

Eight matched stages from chassis to completion.

Details you can discuss

Access, insulation, service interfaces and handling.

Bring the equipment brief. Start with the engineering.

People depend on the service.

The shelter protects what makes it possible.

Across Saudi Arabia, critical equipment operates in heat, dust and remote conditions. A shelter is more than an enclosure. By providing environmental protection and maintenance access, it helps the systems behind communications, energy and essential infrastructure serve people reliably.



More Than an Enclosure, It Keeps Saudi Arabia Connected.

Equipment shelters protect the systems that power communication, energy, operations and essential services across the Kingdom.

Reliable Shelters Enable Real Impact for People.



CONNECTED COMMUNITIES

Telecom and network continuity.

RELIABLE POWER

Electrical and energy equipment protection.

CONTINUOUS OPERATIONS

Safe and controlled environment for critical equipment.

PEOPLE'S EVERYDAY LIFE

The services people depend on, everywhere in KSA.

WHY KENZ

Engineered Shelters for Saudi Arabia's *Real Demands.*

From engineering to fabrication, KENZ delivers purpose-built shelters that perform in Saudi Arabia's environment and project conditions.



ENGINEERING EXPERTISE

Designs based on equipment, load and environmental requirements.

IN-HOUSE FABRICATION

Controlled production with proven workshop capability.

BUILT FOR SAUDI CONDITIONS

Thermal, structural and environmental solutions for local sites.

QUALITY & COMPLIANCE

Fabrication, inspection and documentation at every stage.

PROJECT PARTNERSHIP

A responsive team that supports from design to delivery and site installation.

THE RESULT / *Reliable shelters that protect critical equipment, support continuous operations, and contribute to Saudi Arabia's growing infrastructure.*

TRUST LEAVES A TRACE.

TAWAL
LATIS
aramco
zain
BIGA
BESTER
MULTITECH
中国建筑服务 CHINA COMSERVICE
enviro For Construction & Industry
COMATEC كوماتيك
INTECH AUTOMATION · INTELLIGENCE
inspur
MOTECO
نظم nudhum
HUAWEI
AIRBUS
SANS خدمات الملاحة الجوية السعودية Saudi Air Navigation Services
FGC
مجموعة سدر SEDER GROUP
معادن MA'ADEN
جاش للخدمات الفنية JASH Technical Services
USCO
HICAP TELECOM HIGH CAPABILITIES TELECOM LTD. الكفاءات العالية للإتصالات المحدودة
مساندة musanadah
NORTH STAR نورث ستار www.north-star.com.sa
INITIAL SAUDI GROUP
سافولا SAVOLA
الهيئة الملكية لمحافظة العلا Royal Commission for Al-Ula

ENGINEERING IS A TEAM SPORT.



WHAT YOU CANNOT SEE STILL NEEDS A STANDARD.

Quality and safety are managed through documented systems, not just promises made at delivery.

ISO 9001:2015

Quality management system

ISO 45001:2018

Occupational health and safety



QuayAudit

REGISTRATION CERTIFICATE

This certificate confirms that the management systems of

Kenz Al Arabia International Contracting Company

ARK Building No. 1212, Office No. C9, New Al Kharj Road, Al Manakh 14314-3460, Riyadh, Kingdom of Saudi Arabia

have been audited and approved by Quay Audit UK Ltd to the following management standard:

ISO 9001:2015

The approved management systems apply to the following scope:

Fabrication and Installation of Low Voltage Panels, Supply & Installation of Cold Rooms and its Condensing Units. Modular & FREFAB Insulated Structures, Supply and Installation of Active and Passive Shelters, HVAC, DC, UPS, Commercial Kitchen Equipment Supply and Maintenance, Genset Maintenance, Solar System, MEPF & Low Current System

This certificate is restricted to those scopes of business activity described in the internationally recognised NACE Codes listed below:

2511, 2640, 4322, 4669

Original Approval 18 March 2024
Current Certificate 18 March 2024
Certificate Expiry 18 March 2027
Registration Number 4159431

On behalf of Quay Audit UK Limited

Grove House 8 St. Julian's Friars Shrewsbury Shropshire SY1 1XL | (44)1743 351677 | post@quayaudit.co.uk | www.quayaudit.co.uk

QUALITY MANAGEMENT



QuayAudit

REGISTRATION CERTIFICATE

This certificate confirms that the management systems of

Kenz Al Arabia International Contracting Company

ARK Building No. 1212, Office No. C9, New Al Kharj Road, Al Manakh 14314-3460, Riyadh, Kingdom of Saudi Arabia

have been audited and approved by Quay Audit UK Ltd to the following management standard:

ISO 45001:2018

The approved management systems apply to the following scope:

Fabrication and Installation of Low Voltage Panels, Supply & Installation of Cold Rooms and its Condensing Units. Modular & FREFAB Insulated Structures, Supply and Installation of Active and Passive Shelters, HVAC, DC, UPS, Commercial Kitchen Equipment Supply and Maintenance, Genset Maintenance, Solar System, MEPF & Low Current System

This certificate is restricted to those scopes of business activity described in the internationally recognised NACE Codes listed below:

2511, 2640, 4322, 4669

Original Approval 18 March 2024
Current Certificate 18 March 2024
Certificate Expiry 18 March 2027
Registration Number 4159432

On behalf of Quay Audit UK Limited

Grove House 8 St. Julian's Friars Shrewsbury Shropshire SY1 1XL | (44)1743 351677 | post@quayaudit.co.uk | www.quayaudit.co.uk

HEALTH & SAFETY

REGISTRATION YOU CAN VERIFY.

Original document records / Ministry of Commerce · ZATCA · Saudi Post | SPL



01 COMMERCIAL REGISTRATION

CR 1010984259 | Unified No. 7038358268

Arabic Ministry of Commerce certificate with original verification QR



02 VAT / ZATCA

312067244100003



03 NATIONAL ADDRESS

RNCD4096 · Riyadh 14314

Let's Build What Protects What Matters.

Engineering Ingenuity. Delivered.

KENZ delivers engineered shelter solutions across Saudi Arabia.





www.kenzalarabia.com
info@kenzalarabia.com
+966 53 870 0101
+966 53 670 0101

Riyadh Headquarters
Building No. 4096, Al Jahor St,
Al-Manakh-14314, Riyadh, Saudi Arabia

Our Shelter Solutions

- Telecom Equipment Shelter
- Active Air-Conditioned Shelter
- Passive Ventilation Shelter
- Generator Set Shelter
- Control Electrical Shelter
- Modular Service Shelter
- Container Shelter

Connect With Us