Burooj
شركة بروج النظم التجارية

COMPANY PROFILE

Burooj Systems Company

Industrial refrigeration, cold rooms and insulated systems for Saudi food and cold-chain facilities.

Design | Supply | Installation | Commissioning



شركة بروج النظم للتجارة — شركة شخص واحد
Jeddah, Kingdom of Saudi Arabia · CR 4030440760

ABOUT BUROOJ

A local interface for complete temperature-controlled facilities

01

Burooj Systems Company is a Jeddah-based Saudi trading and contracting company focused on cold rooms, insulated envelopes and refrigeration systems.

We coordinate the room envelope, doors, refrigeration equipment, controls, piping, installation and commissioning under one commercial and technical interface. Our approach starts with the operating requirement: product, temperature, door use, ambient conditions, electrical supply and daily load.

For large industrial ammonia plants, Burooj works with qualified specialist contractors for plant design, major equipment and commissioning. Burooj retains the Saudi client interface and can deliver the insulated envelope, doors, floor coordination and local installation scope.

> We do not size refrigeration systems by horsepower alone. Final capacity must be supported by manufacturer performance data at the agreed design point.

Company details

Legal name
شركة بروج النظم للتجارة — شركة شخص واحد

Trade name
Burooj Systems Company

Commercial Registration
4030440760 · Jeddah

Unified number
7008492949

VAT registration
310501171800003

WHAT WE DELIVER

One coordinated scope, from the insulated room to commissioning

02

01

Cold rooms and chillers

Temperature-controlled rooms for food production, storage, preparation and dispatch.

02

Freezers

Low-temperature rooms with suitable wall, ceiling and door construction.

03

Blast-freezer envelopes

Heavy insulated envelopes, doors and floor-interface coordination for rapid freezing applications.

04

Insulated panels

PIR/PU wall, ceiling and partition systems with project-specific cladding and joint details.

05

Doors and air control

Manual sliding and hinged doors, strip curtains and industrial air curtains where required.

06

Refrigeration equipment

Condensing units, evaporators, controls, piping, valves and refrigeration accessories.

07

Controls

Room controllers, temperature monitoring, alarm functions and project-specific control panels.

08

Installation

Panels, doors, copper piping, insulation, equipment setting and electrical-control coordination.

09

Commissioning and service

Testing, start-up, parameter setting, handover records and maintenance support.

Direct-to-site operating model

Equipment and materials are coordinated for project delivery rather than held as speculative stock. Availability, lead time and final model selection are confirmed for each quotation.

Saudi
Client interface

Integrated
Envelope + refrigeration

ENGINEERING BASIS

Design starts with the load, not a catalogue model

03

A reliable cold room is a system: envelope, product load, air movement, controls and refrigeration capacity must agree.

We establish the design basis before making a performance commitment. The calculation covers heat transmission, product pull-down, infiltration, internal loads and operating hours.

- Saudi high-ambient design, typically up to +50 °C in Jeddah.
- Product entry temperature and pull-down period.
- Door dimensions, traffic and open-door hours.
- People, lighting, motors and other internal loads.
- Floor construction and insulation.
- Electrical supply, controls and operating schedule.

1 Define operation

Product, temperature, movement and daily use.

2 Calculate load

Transmission, pull-down, infiltration and internal gains.

3 Select equipment

Capacity at the actual ambient, suction and refrigerant conditions.

4 Verify performance

Manufacturer software and technical submittals.

Typical design practice: 24-hour average load adjusted to a 21-hour operating window, followed by an engineering margin. The final basis remains project-specific.

Design item	Working basis
Ambient	Up to +50 °C for Jeddah projects
Power	380 V, 3 phase, 60 Hz unless the client states otherwise
Verification	Manufacturer selection at the agreed design point

INSULATED ENVELOPE

Panels and doors built around temperature duty

The envelope determines heat gain, vapour control and long-term energy use. We coordinate wall, ceiling, partition, door and floor interfaces as one system.

Typical freezer construction

150 mm PIR walls and ceiling.

Typical chiller construction

100 mm PIR walls and ceiling.

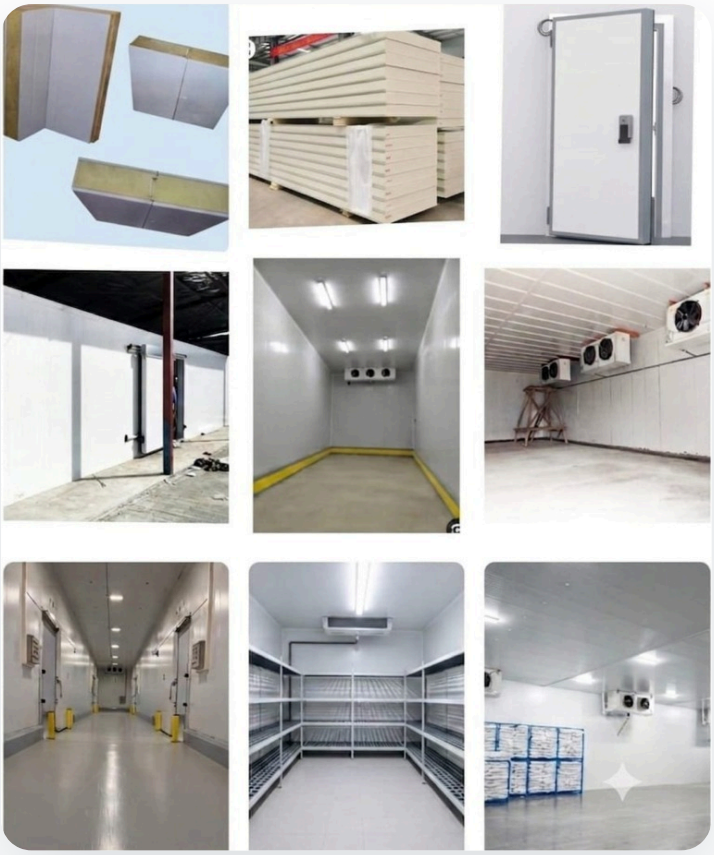
Panel core

PIR, nominal 40–42 kg/m³.

Cladding

PPGI or project-specific food-grade finishes.

All dimensions, finishes, fire requirements and door details are confirmed in the approved project submittal.



Panel joints

Slip-joint tongue-and-groove profiles with vapour-sealing details suited to the duty.

Room doors

Manual sliding or hinged insulated doors unless automatic operation is specifically priced.

Air management

PVC strip curtains and air curtains selected around traffic and door location.

Coordination

Suspension, floor interface, penetrations and equipment clearances resolved before fabrication.

REFRIGERATION SYSTEMS

Equipment selected for the operating point and Saudi ambient

04

COMP.

Semi-hermetic compressor systems

BITZER high-ambient selections are commonly specified, subject to manufacturer confirmation and project requirements.

EVAP.

European evaporator platforms

Güntner, LU-VE and Friga-Bohn ranges may be considered according to duty, air throw, fin spacing and defrost method.

CTRL.

Room and plant controls

Eliwell, Full Gauge, Carel or approved alternatives, with alarms and set-point protection as required.

PIPE.

Refrigerant piping

Copper piping, refrigeration-grade fittings, oil management, supports and Armaflex/Superlon insulation.

REFR.

Refrigerants

Selected by temperature range, equipment approval, client requirements and applicable Saudi regulations.

Selection evidence

Before final approval, Burooj requests or prepares manufacturer selection data showing:

- Net cooling capacity.
- Compressor power input.
- Ambient and condensing conditions.
- Evaporating temperature and superheat.
- Refrigerant and electrical execution.
- Operating envelope and model code.

Brand references indicate equipment families Burooj can specify or source. They do not imply exclusivity or guaranteed stock.

+MT
Chillers and process rooms

−LT
Freezers and frozen storage

N+1
Redundancy where the brief requires it

INDUSTRIAL REFRIGERATION

Large ammonia plants through a specialist EPC partnership model

05

Burooj does not self-perform large NH_3 plant design. We assemble the right delivery structure: specialist industrial-refrigeration engineering with a Saudi commercial and execution interface.

Specialist plant partner

- Heat-load validation and plant design.
- NH_3 or NH_3/CO_2 system engineering.
- Screw compressors, vessels and condensers.
- PLC/SCADA, leak detection and safety systems.
- Specialist commissioning and performance verification.

Burooj Systems Company

- Saudi client interface and project coordination.
- Insulated envelopes, doors and floor interfaces.
- Local installation planning and site management.
- Submittal coordination and document control.
- Handover support and local after-sales coordination.

Applications

Blast freezers | High-bay frozen stores | Food factories | Bakery freezing | Cold-chain hubs | Central plant rooms

Final responsibility matrix, governing codes, warranty route and Saudi representation terms are agreed before proposal issue.

PROJECT DELIVERY

A controlled path from first survey to handover

06

1 Survey and brief

Confirm dimensions, product, temperatures, door use, floor and utilities.

2 Design basis

Document loads, operating assumptions, room construction and client interfaces.

3 Technical submittal

Issue drawings, equipment selections, data sheets and deviation schedule.

4 Procurement

Release approved panels, doors, equipment, controls and accessories.

5 Installation

Coordinate panels, doors, equipment, piping, insulation and controls.

6 Commissioning

Test, set parameters, verify performance and close outstanding items.

Typical submittal package

- General arrangement drawings.
- Panel and door schedules.
- Heat-load and equipment selections.
- Electrical-load schedule.
- Control philosophy and set points.
- Data sheets and compliance schedule.

Typical handover package

- As-built drawings.
- Commissioning records.
- Controller parameters.
- Equipment manuals and warranties.
- Operating guidance.
- Outstanding-items closeout.

> Commercial milestones, programme dates and warranty periods are stated in the project quotation. They are not assumed from this company profile.

QUALITY AND COMMISSIONING

Document the basis, test the installation, record the result

07

Installation controls

- Approved-material check on arrival.
- Panel joint, sealant and vapour-barrier inspection.
- Door alignment, sealing and hardware checks.
- Piping support, brazing and insulation inspection.
- Electrical and control-panel point checks.
- Site coordination and punch-list tracking.

Commissioning controls

- Pressure and tightness testing.
- Vacuum and dehydration records.
- Refrigerant charging and operating checks.
- Controller and alarm verification.
- Temperature pull-down and room-performance review.
- Final settings and handover documentation.

Clear basis

The design assumptions are stated before performance is guaranteed.

Named evidence

Selections, drawings and checks are tied to project records.

Controlled change

Material deviations and scope changes require documented approval.

The standard is simple: the installed system must match the approved design basis, and the handover record must show what was tested.

MARKETS AND APPLICATIONS

Built around facilities where temperature control protects product and production

08

Food manufacturing

Raw-material rooms, process chillers, frozen stores, loading zones and production support spaces.

Bakeries and frozen foods

Dough and ingredient storage, chilled rooms, freezer envelopes and blast-freezing applications.

Cold-chain logistics

Multi-room stores, corridors, loading areas, temperature zoning and dispatch interfaces.

Central kitchens

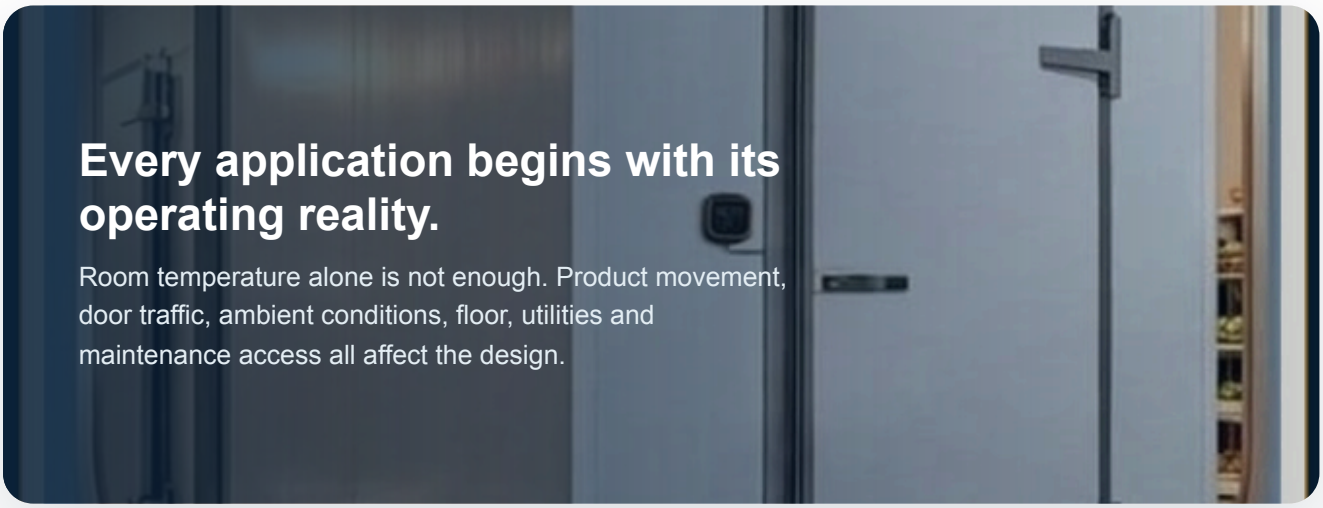
Chilled and frozen storage coordinated with hygiene, traffic and daily receiving requirements.

Retail and hospitality

Back-of-house cold rooms, freezer rooms and equipment replacement projects.

Industrial facilities

Temperature-controlled production and storage spaces with project-specific controls.



Every application begins with its operating reality.

Room temperature alone is not enough. Product movement, door traffic, ambient conditions, floor, utilities and maintenance access all affect the design.

CURRENT CLIENTS

Trusted across food manufacturing, retail and agricultural industries

09

Burooj supports current client requirements through technical coordination, equipment sourcing, insulated systems, maintenance and project-specific refrigeration solutions.

Al Rashed Food Company Ltd.

Food manufacturing and industrial bakery operations.

شركة الراشد للأغذية المحدودة

Sunbulah Group

Food and Fine Pastries Manufacturing Company “Sunbulah”.

مجموعة السنبلة

Attara Viva

Trading company specialising in herbs, spices and food products.

شركة عطارة فيفا التجارية

Feedco Investment Company

Animal-feed manufacturing and agricultural supply chain.

شركة فيدكو للاستثمار

Modern Arabian Horizons Trading Co.

Food wholesale, retail and distribution.

شركة الآفاق العربية الحديثة للتجارة

Al Noman Brothers International Trading Co. Ltd.

Food trading, manufacturing and distribution.

شركة النعمان إخوان العالمية للتجارة المحدودة

Biladi Bakeries Company

Bakery and bread operations.

شركة مخبوزات بلادي

Vision for Trade

Trading and commercial operations.

شركة رؤية للتجارة

Alosra Alshamia Trading Company

Food trading and distribution.

شركة الأسرة الشامية للتجارة

Al-Mustaqbal Cooling & Freezing

Cold-storage operations; refrigeration maintenance programme.

شركة ثلاجة المستقبل — المستقبل للتبريد والتجميد

Alragawi International Industry Co.

Industrial manufacturing; insulated panel works.

شركة الرجوي العالمية للصناعة

WHY BUROOJ

Local responsibility backed by specialist equipment and engineering

10

SA

Saudi client interface

One local point for scope coordination, technical clarification, commercial follow-up and site execution.

01

Integrated responsibility

The room envelope and refrigeration system are coordinated rather than treated as disconnected packages.

50°

High-ambient design

Equipment selections are checked at the project ambient and operating point, not at nominal catalogue conditions.

QA

Transparent submittals

Assumptions, deviations, exclusions and preliminary model selections are stated for client review.

EPC

Specialist partner route

Large ammonia and industrial plants are structured with qualified EPC specialists rather than overstated self-performance.

→

Direct-to-site delivery

Procurement is aligned with approved materials, lead times and the construction programme.

OUR DIRECTION

Build a Saudi refrigeration contractor capable of setting the GCC benchmark for disciplined engineering and dependable execution.

That ambition is measured project by project: accurate design, clear scope, controlled delivery and proper handover.

START WITH THE OPERATING REQUIREMENT

Cold rooms and refrigeration systems designed around your product, site and Saudi operating conditions.

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