



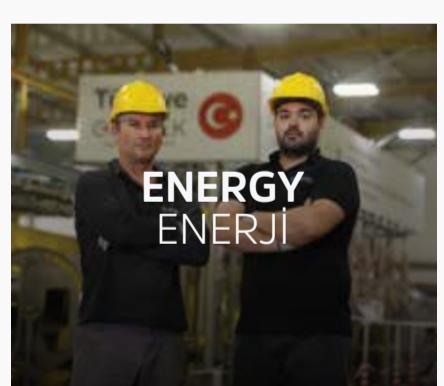
# INNOVATION IN **FOOD SECURITY**

We offer sustainable solutions

# GANTEK GROUP



In 35 years, we have delivered more than 15,000 projects in over 75 countries





## ABOUT US

Cantek has been advancing with a vision that transcends boundaries in the food storage and processing sector for more than 35 years. Having successfully completed over 15,000 projects in more than 75 countries, the company has become a trusted brand on the global stage. As President Can Hakan Karaca states, **“Since day one, we have continued to bring revolutionary innovations to the refrigeration sector with the same enthusiasm we started with.”**

This success is the natural result of Cantek's commitment to advanced technology and uncompromising quality. The company offers a wide range of turnkey solutions, including cold storage facilities, slaughterhouses and meat processing plants, as well as plant factories. In addition, it delivers significant energy savings through smart technologies such as Octosense Intelligent Refrigeration (System-IRS), invests in R&D for Internet of Things infrastructures and Industry 4.0-compatible equipment, and thereby reinforces its commitment to efficiency and reliability.

Cantek not only provides technology to businesses but also takes responsibility for society and the world. Through awareness initiatives, multilingual publications, conferences, and training activities in the field of food security, it contributes on a global scale. As emphasized in the Chairman's message, **“we believe that a better future is possible when energy is used correctly.”** This belief reflects our dedication to a more sustainable future—both in the business world and across society—in every project and every step we take.

For each project, energy and capacity requirements are thoroughly analyzed, and solutions that ensure maximum efficiency are then designed. Installation strategies focused on energy savings are combined with custom unit manufacturing and comprehensive technical support to create tailored cooling systems that meet the specific needs of each facility. The systems are integrated seamlessly with the building's existing HVAC infrastructure, ensuring optimal operating conditions in terms of both performance and sustainability.

The installation process is managed end-to-end by a professional team; coordination, assembly, calibration, and operational checks are carried out meticulously. Once the system is commissioned, all measurement data is thoroughly analyzed, performance criteria are verified, and the facility is prepared for reliable operation. Thanks to continuous remote monitoring, potential issues can be identified quickly; through regular maintenance, technical support, and improvement recommendations, the efficiency of existing systems is further enhanced, providing uninterrupted reliability for long-term operations.

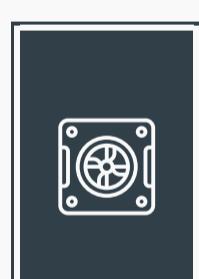


## OUR PROJECT SERVICES



### PROJECT PLANNING AND DESIGN

At the initial stage, a project plan and design are prepared to ensure that the refrigeration system meets the customer's needs and expectations. During this process, the most suitable system components are selected based on the type of product, storage capacity, climate conditions, and operational requirements.



### PRODUCTION AND EQUIPMENT PROCUREMENT

The production and procurement of panels, doors, loading equipment, and other key components are carried out with great care to ensure all parts meet high quality standards. Their durability, insulation performance, and installation compatibility are verified to ensure seamless integration into the project.



### CONTRACTING AND INSTALLATION

Within the project scope, all equipment is assembled, installed, and precisely adjusted by a specialized team in accordance with the defined technical requirements. During this stage, all connections, control points, and performance values are thoroughly tested to ensure safe, efficient, and uninterrupted system operation.



### TESTING AND COMMISSIONING

After installation is completed, comprehensive tests are carried out to verify that all components function correctly and that the system meets the specified performance criteria. Following these checks, the system is safely commissioned and made ready for full-capacity operation.



### MAINTENANCE AND SUPPORT SERVICES

After commissioning, regular maintenance and technical support services are provided to ensure the system operates at peak efficiency and to minimize potential failures. This includes monitoring equipment performance, conducting necessary inspections, and offering guidance to support the user throughout operational processes.



## NATURAL REFRIGERANT COOLING SYSTEMS

Cantek Enerji provides solutions that meet user expectations in systems with natural refrigerant such as ammonia, carbon dioxide, glycol and propane and in special cooling applications. With its high technology and wide engineering staff, it has been developing user-friendly projects for many years in food and non-food areas, especially in food production facilities. It continues to grow with innovative and sustainable cooling solutions.

### KAMLAY TRADE

■ ■ NIGERIA / Kano

2025

### GS GROUP

‡‡ GEORGIA / Tbilisi

2024

### RASAN AGRI

IRQ IRAQ / Halabja

2024

### BALKAR

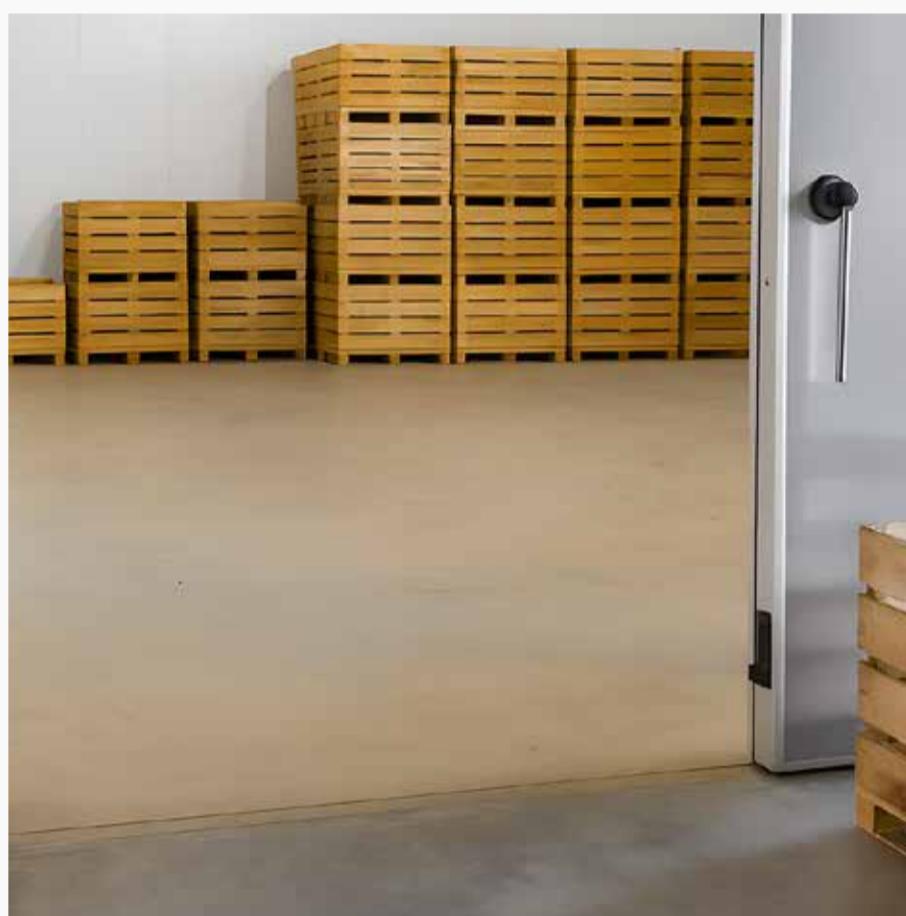
SEN SENEGLAL / Dakar

2024

### YÖRÜKOĞLU

TR TÜRKİYE / Antalya

2024



## KAMLAY TRADE

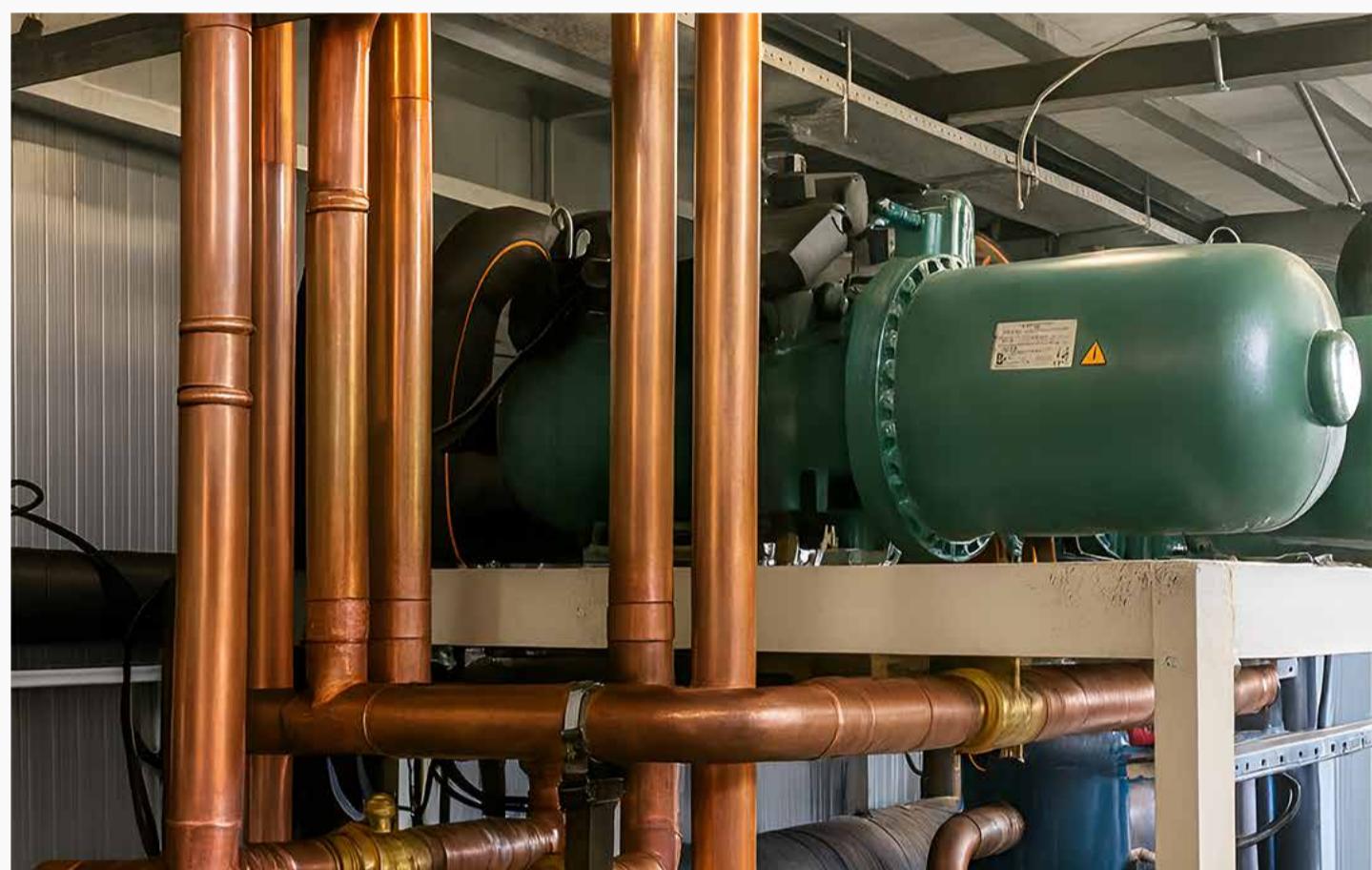
Potato & Onion Storage

■ ■ NIGERIA / Kano

### PROJECT DETAILS

→ Total Storage Capacity	10.000 TONNES
→ NH <sub>3</sub> / Ethylene Glycol Cooling System	1.430 kW
→ NH <sub>3</sub> Single Stage Compressors	-10°C & +35°C GEA GRASSO / 4 PCS.

Design, construction and start-up of the ammonia-ethylene glycol refrigeration system.



## GS GROUP / NIKORA

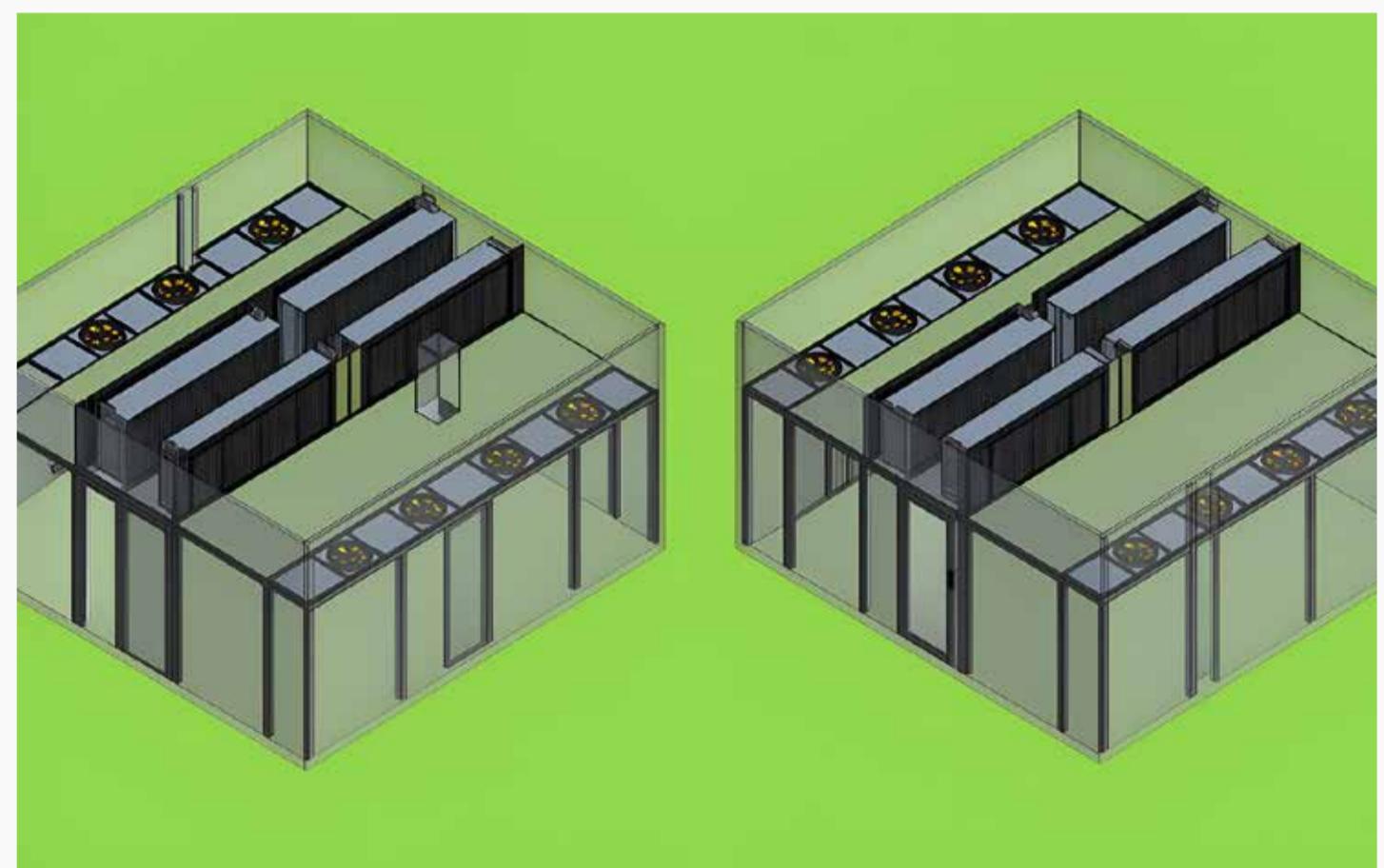
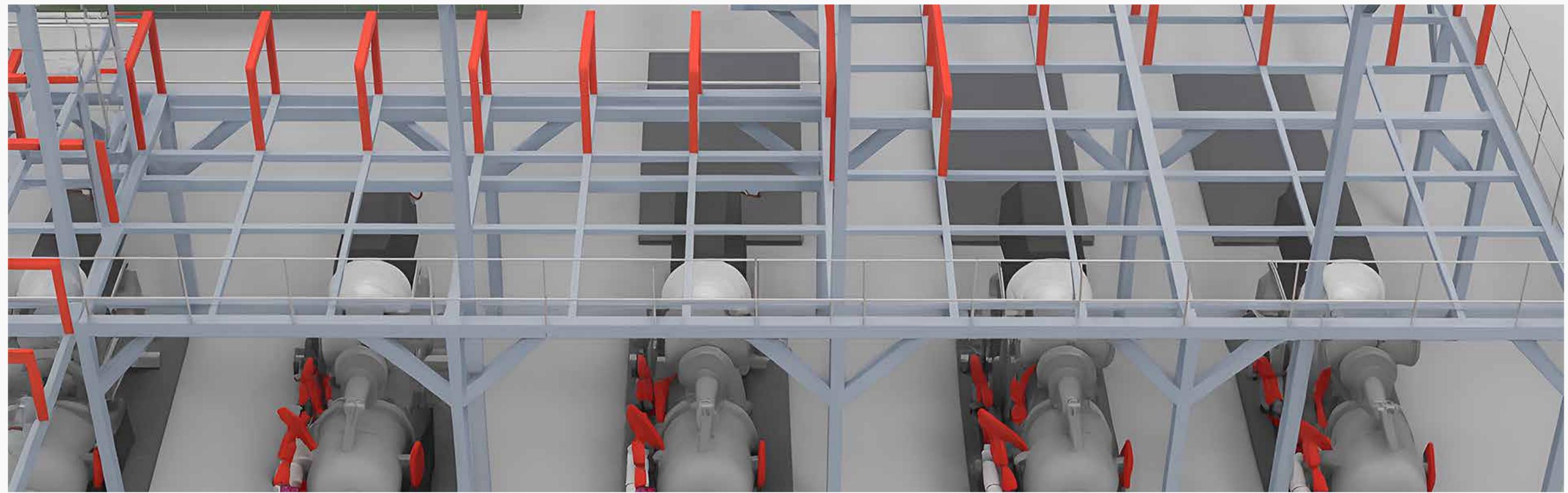
Delicatessen

++ GEORGIA / Tbilisi

### PROJECT DETAILS

→ R134A / Propylene Glycol Chiller Cooling System	935 kW
→ R404A Split Cooling	30 kW
→ -12°C Capacity	485 kW
→ -6°C Capacity	450 kW
→ -20°C Capacity	30 kW
→ R134A Single Stage Compressors	-12°C / +35°C BITZER CSH / 4 PCS. -6°C / +35°C BITZER CSH / 4 PCS.

Design, construction and start-up of the R134 propylene-glycol refrigeration system.



## RASAN AGRI

Milk & Dairy Products Facility

 IRAQ / Halabja

### PROJECT DETAILS

→ NH <sub>3</sub> / Propylene Glycol	8.110 kW
→ R404A Split System	128 kW
→ -12°C Capacity	3.330 kW
→ -3°C Capacity	3.000 kW
→ +1°C Capacity	1.780 kW
→ -45°C Capacity	42 kW
→ -25°C Capacity	86 kW
→ NH <sub>3</sub> Single Stage Compressors	-12°C & +35°C SABROE SAB / 2 PCS. -3°C & +35°C SABROE SAB / 2 PCS. +1°C & +35°C SABROE SAB / 1 PCS.

Design, construction and start-up of the ammonia-propylene glycol and R404A refrigeration system.



## BALKAR

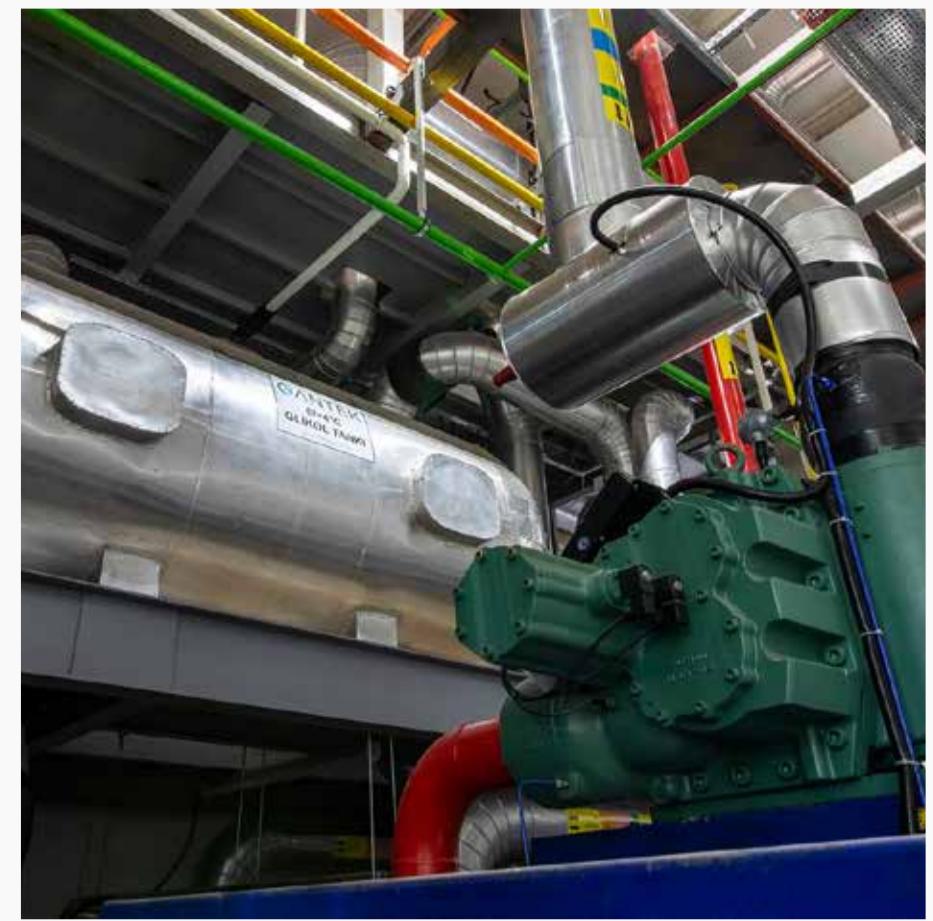
Fish Processing Facility

 SENEGAL / Dakar

### PROJECT DETAILS

→ NH <sub>3</sub> / Ethylene Glycol Cooling System	5.050 kW
→ -40°C Capacity	1.000 kW
→ -27°C Capacity	1.050 kW
→ -12°C Capacity	3.000 kW
→ NH <sub>3</sub> High Stage Compressors	-12°C / +38°C SABROE-SAB / 2 PCS.
→ NH <sub>3</sub> Low Stage Compressors	-40°C / -27°C & -12°C SABROE-SAB / 3 PCS.

Design, construction and start-up of the ammonia-ethylene glycol refrigeration system.



# YÖRÜKOĞLU

Milk & Dairy Products Facility

 TÜRKİYE / Antalya

## PROJECT DETAILS

- Daily Production
- Ice Water Production with Baudelot
- Yoghurt Cooling Tunnel

APPROXIMATELY 600 TONNES

- 
- NH<sub>3</sub> High Stage Compressors
- 12°C BITZER OSKA 95103-K COMPRESSOR / 8 PCS.

- 
- CO<sub>2</sub> Low Stage Compressors

Design, construction and start-up of the ammonia-carbon dioxide cascade refrigeration system.

-35°C 4VSL-15 K COMPRESSOR / 5 PCS.



**GANTEK**  
INNOVATION IN FOOD SECURITY

## NATURAL REFRIGERANT COOLING SYSTEMS

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### DEVTAS

 TÜRKİYE / Antalya

2023

### PRINCE GROUP

 TÜRKİYE / Burdur

2023

### COMAVIP

 MAURITANIA / Nouadhibou

2023

### SOMASCIR

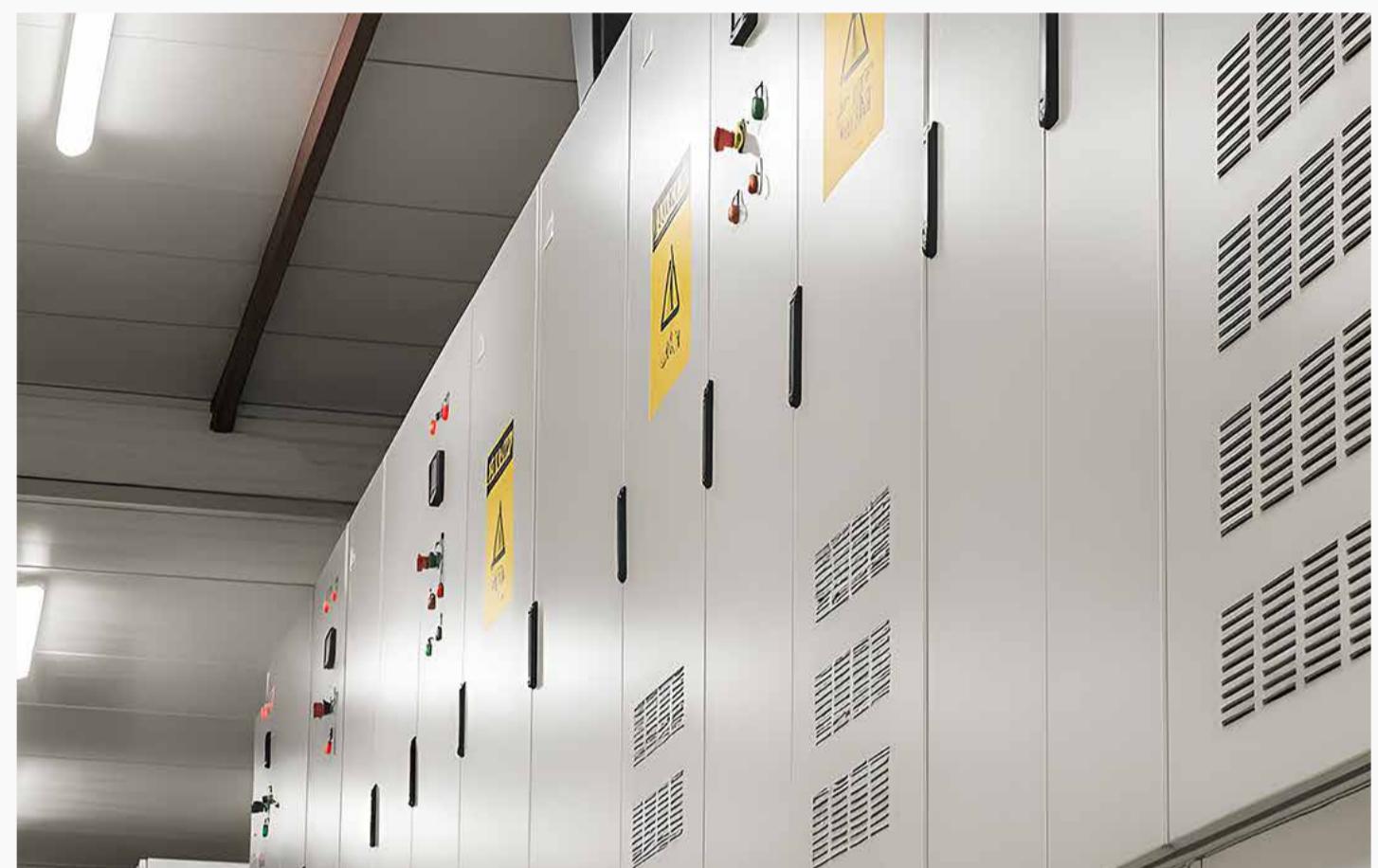
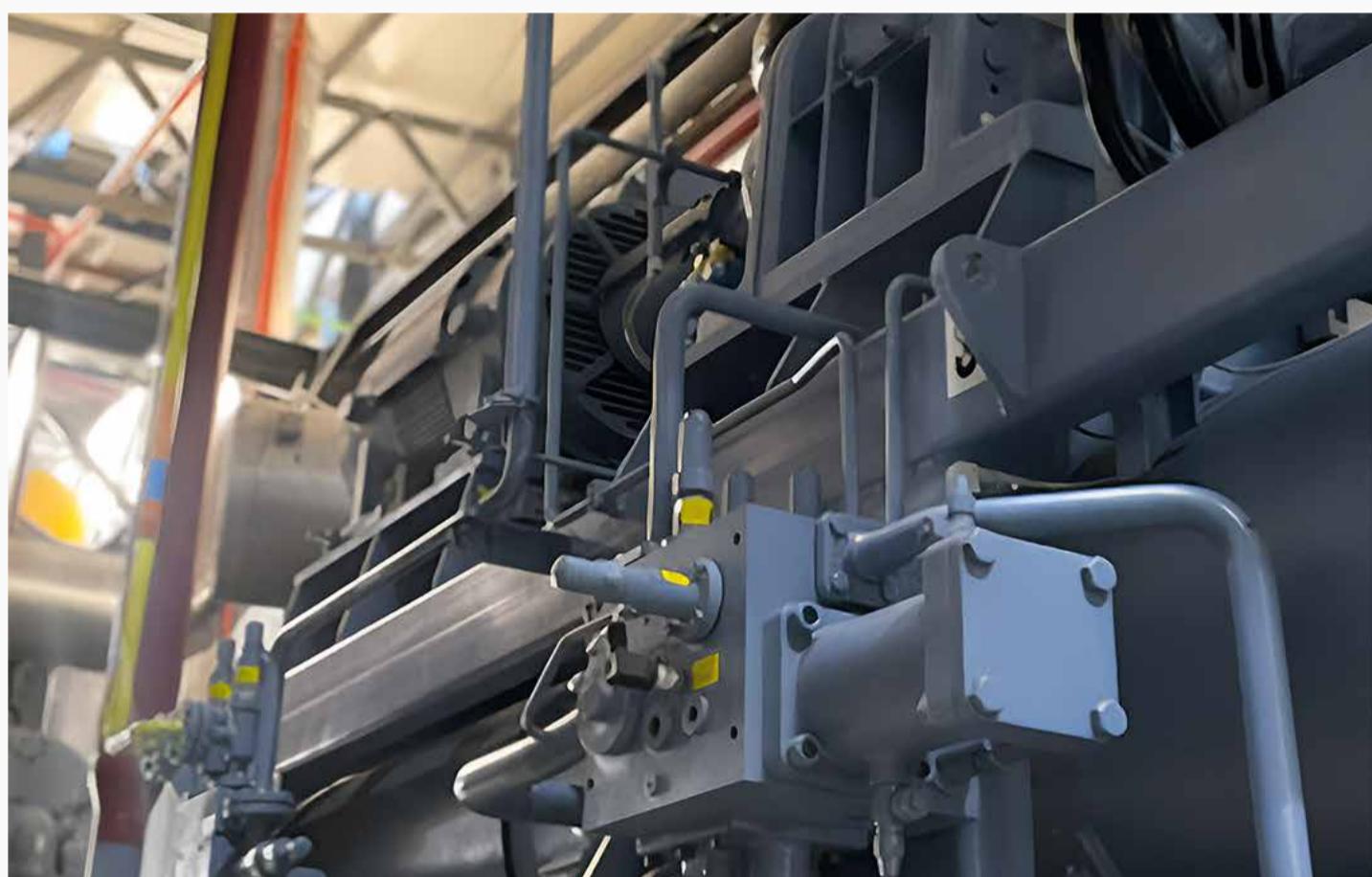
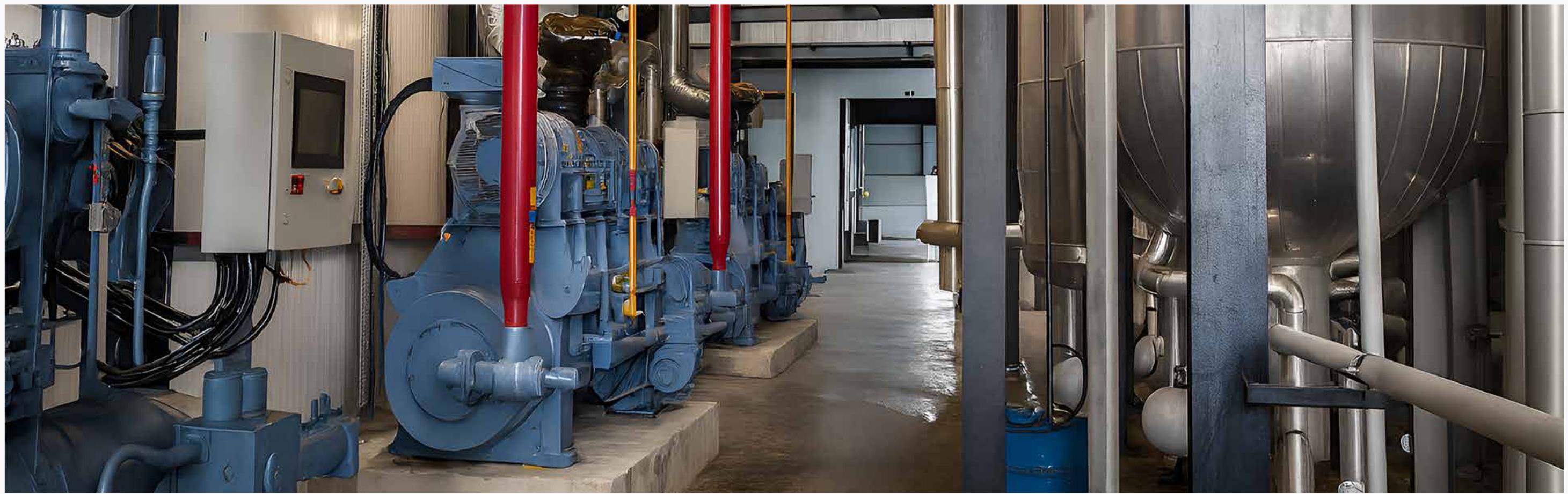
 MAURITANIA / Nouadhibou

2023

### MT AKDENİZ

 MAURITANIA / Nouadhibou

2022



**DEVTAS**

IQF & Freeze Dry

 TÜRKİYE / Antalya

## PROJECT DETAILS

→ -45°C Capacity	920 kW
→ -10°C Capacity	1.600 kW
→ NH <sub>3</sub> Low Stage Compressors	-45°C GEA GRASSO / YA-6B 2 PCS.
→ NH <sub>3</sub> High Stage Compressors	-10°C GEA GRASSO / NA-5B 2 PCS.

Design, construction and start-up of the ammonia system. 2 pieces of IQF (880 kW) cooling.



# PRINCE GROUP

Fruit & Vegetable Storage

TÜRKİYE / Burdur

## PROJECT DETAILS

→ -10°C Capacity	1.340 kW
→ -40°C Capacity	675 kW
→ IQF Capacity	3.500 KG / H
→ NH <sub>3</sub> High Stage Compressors	-10°C SABROE-SMC 108E / 2 PCS. -10°C GEA-V 1100 / 1 PC.
→ NH <sub>3</sub> Low Stage Compressors	-40°C SABROE-SMC 108E / 2 PCS. -40°C GEA-M NA-6B / 1 PC.
→ Potato & Onion Ventilation System Total Flow	600 TONNES x 2 ROOMS

Design, construction and start-up of the ammonia-glycol refrigeration system.



# COMAVIP

Fish Processing Facility

 MAURITANIA / Nouadhibou

## PROJECT DETAILS

- 120 Tonnes
- Total Capacity
- Cold Rooms

PER DAY  
6.600 m<sup>3</sup>  
36



# SOMASCIR

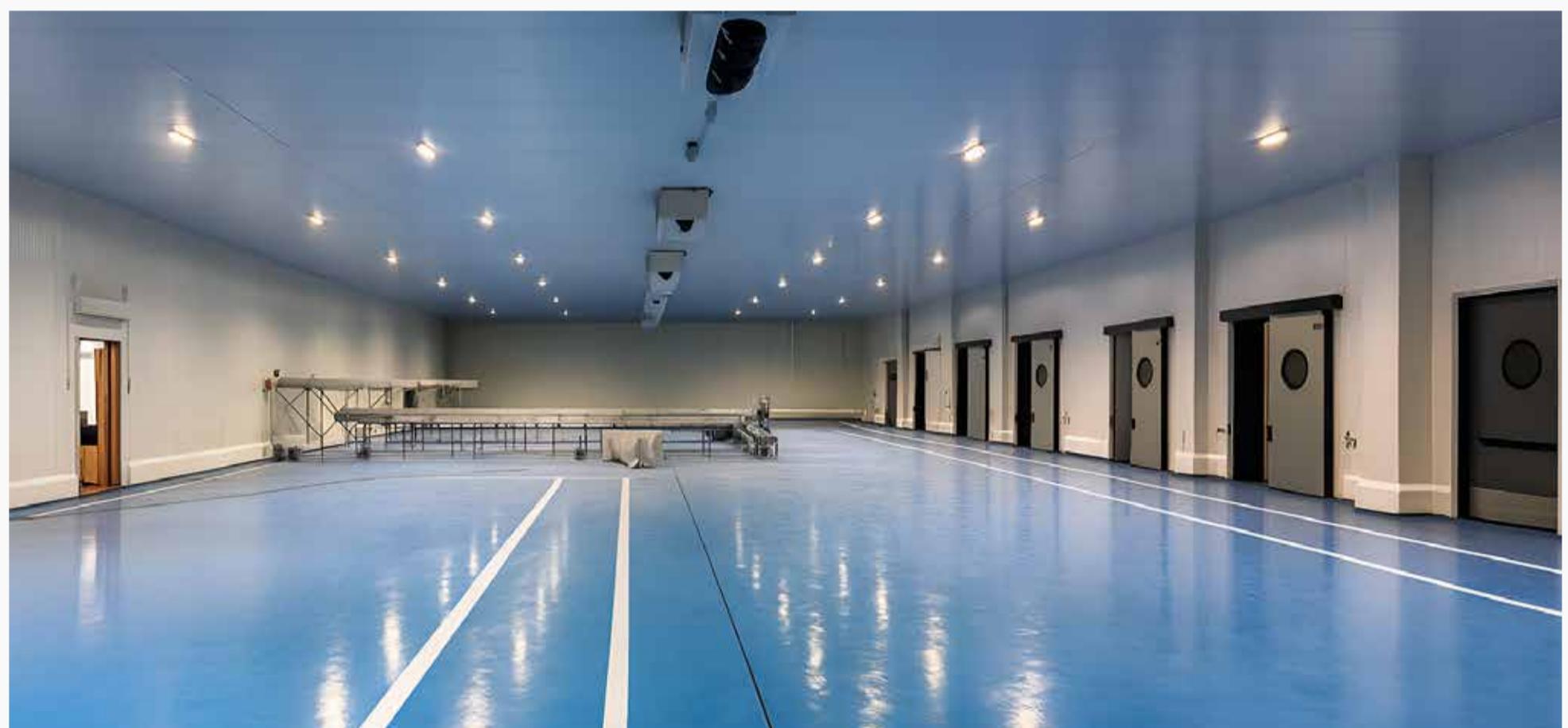
Fish Processing Facility

 MAURITANIA / Nouadhibou

## PROJECT DETAILS

→ NH <sub>3</sub> Cooling System	2.520 kW
→ -35°C Capacity	1.030 kW
→ -5°C Capacity	1.490 kW
→ NH <sub>3</sub> High Stage Compressors	-35°C & -5°C SABROE SAB / 2 PCS.
→ NH <sub>3</sub> Low Stage Compressors	-35°C & -5°C SABROE SAB / 2 PCS.

Design, construction and start-up of the ammonia refrigeration system including panel, doors and lighting system.



# MT AKDENİZ

Fish Processing Facility

 MAURITANIA / Nouadhibou

## PROJECT DETAILS

- 100 Tonnes
- Blast Freezing
- Deep Freezing
- Other Cooling and Processing Equipment

PER DAY  
64 TONNES / 12 H  
1.500 TONNES  
BUFFER TANKS, CONVEYORS, FILLET TABLES ETC.



**CANTEK**  
INNOVATION IN FOOD SECURITY

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### OSMAN PARLAK

🇹🇷 TÜRKİYE / Samsun

2022

### SOYLU TARIM

🇹🇷 TÜRKİYE / Antalya

2022

### MONDELEZ EMERAL

🇹🇷 TÜRKİYE / Gebze

2022

### NETLOG

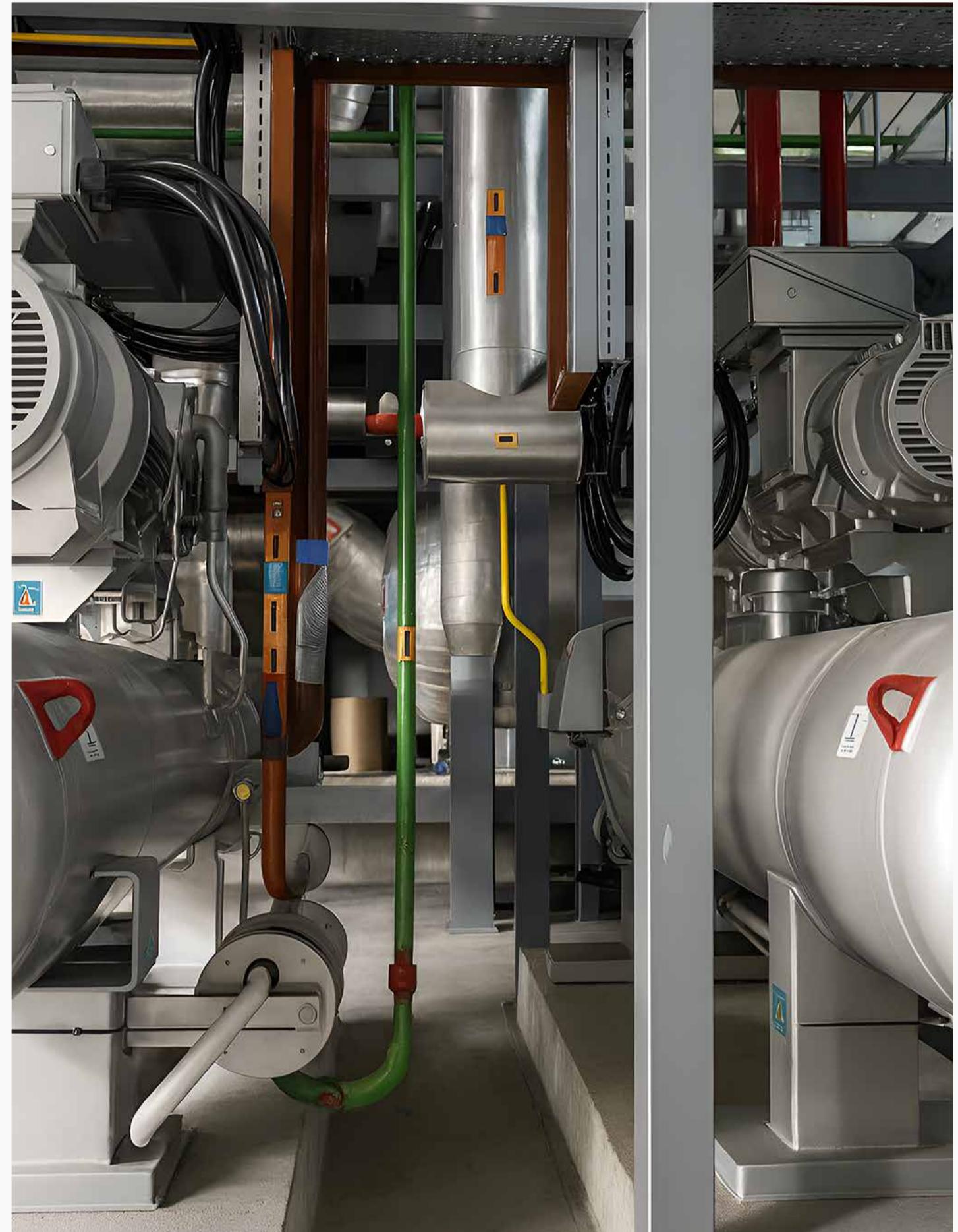
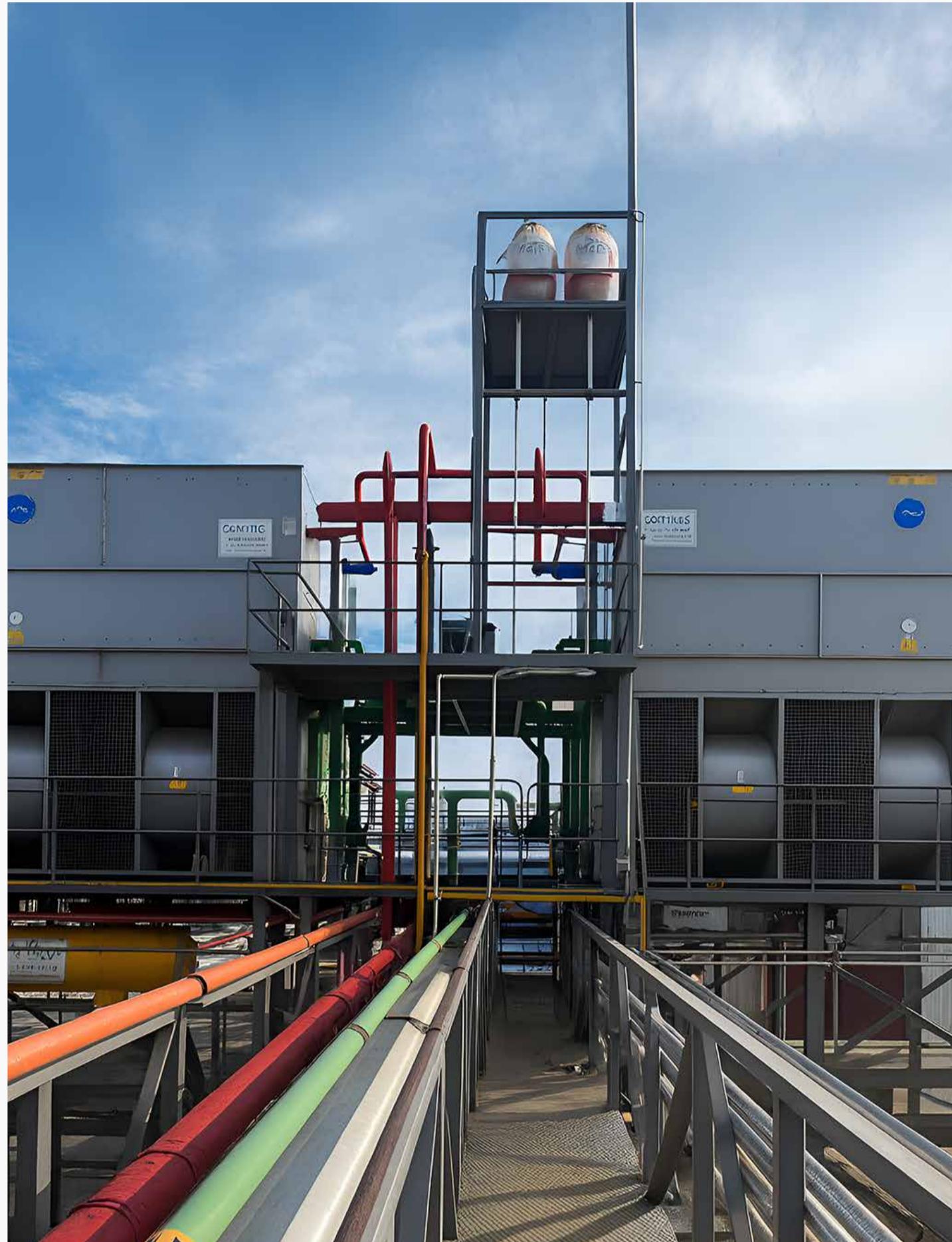
🇹🇷 TÜRKİYE / Antalya

2021

### TEK DÖNER

🇩🇪 GERMANY / Berlin

2021



# OSMAN PARLAK

Fish Processing Facility

 TURKEY / Samsun

## PROJECT DETAILS

- Ice Water Production with Baudelot
- -12°C Capacity
- -40°C Capacity

62 m<sup>3</sup> / H  
2.210 kW  
966 kW

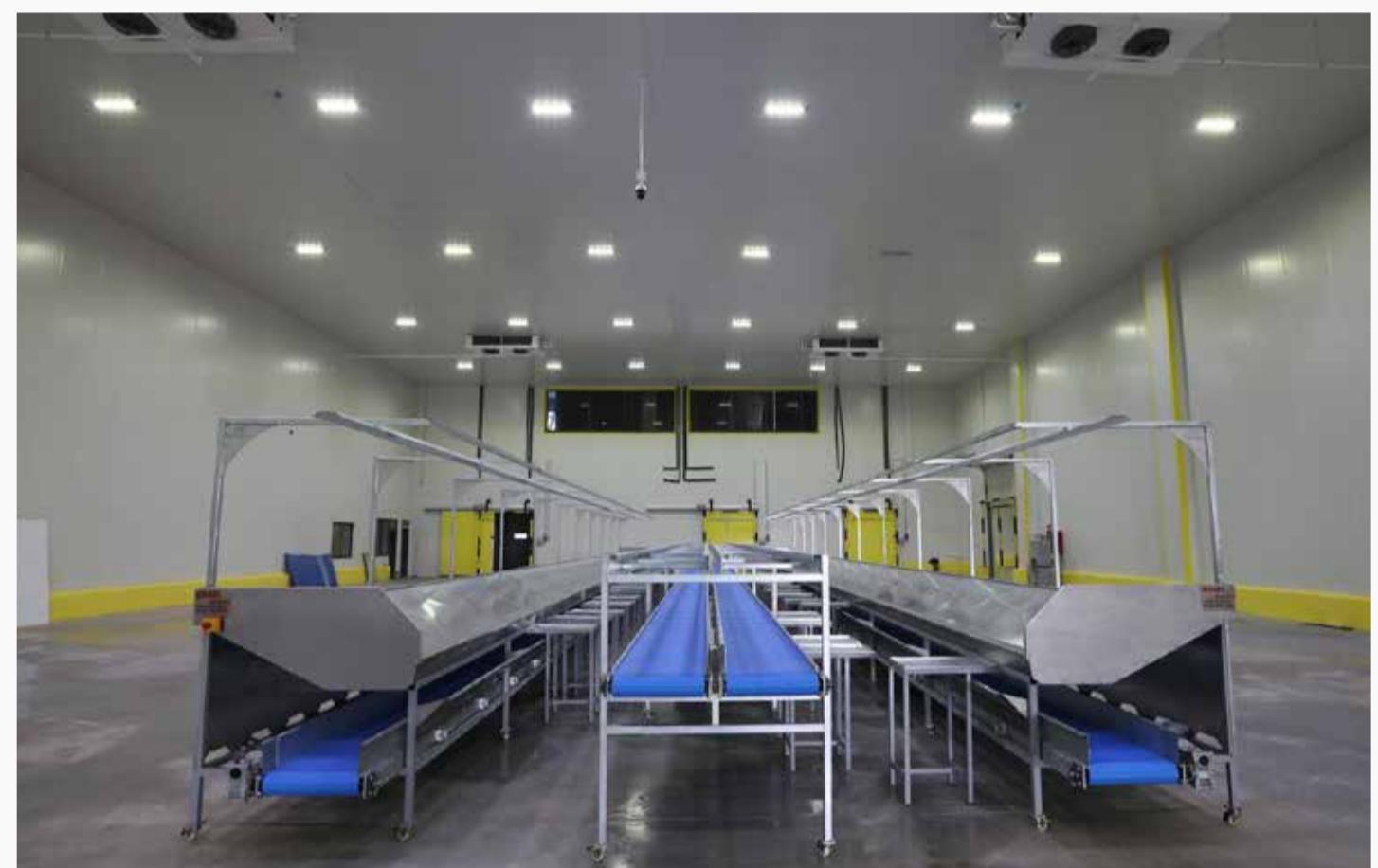
- 
- NH<sub>3</sub> High Stage Compressors

SABROE-SAB 233L VSD / 1 PC.  
SABROE-SAB 233L / 1 PC.

- 
- CO<sup>2</sup> Low Stage Compressors

SABROE-HPO 106 S VSD / 1 PC.  
SABROE-HPC 106 S / 1 PC.

Design, construction and start-up of the ammonia-carbon dioxide cascade refrigeration system.



# SOYLU TARIM

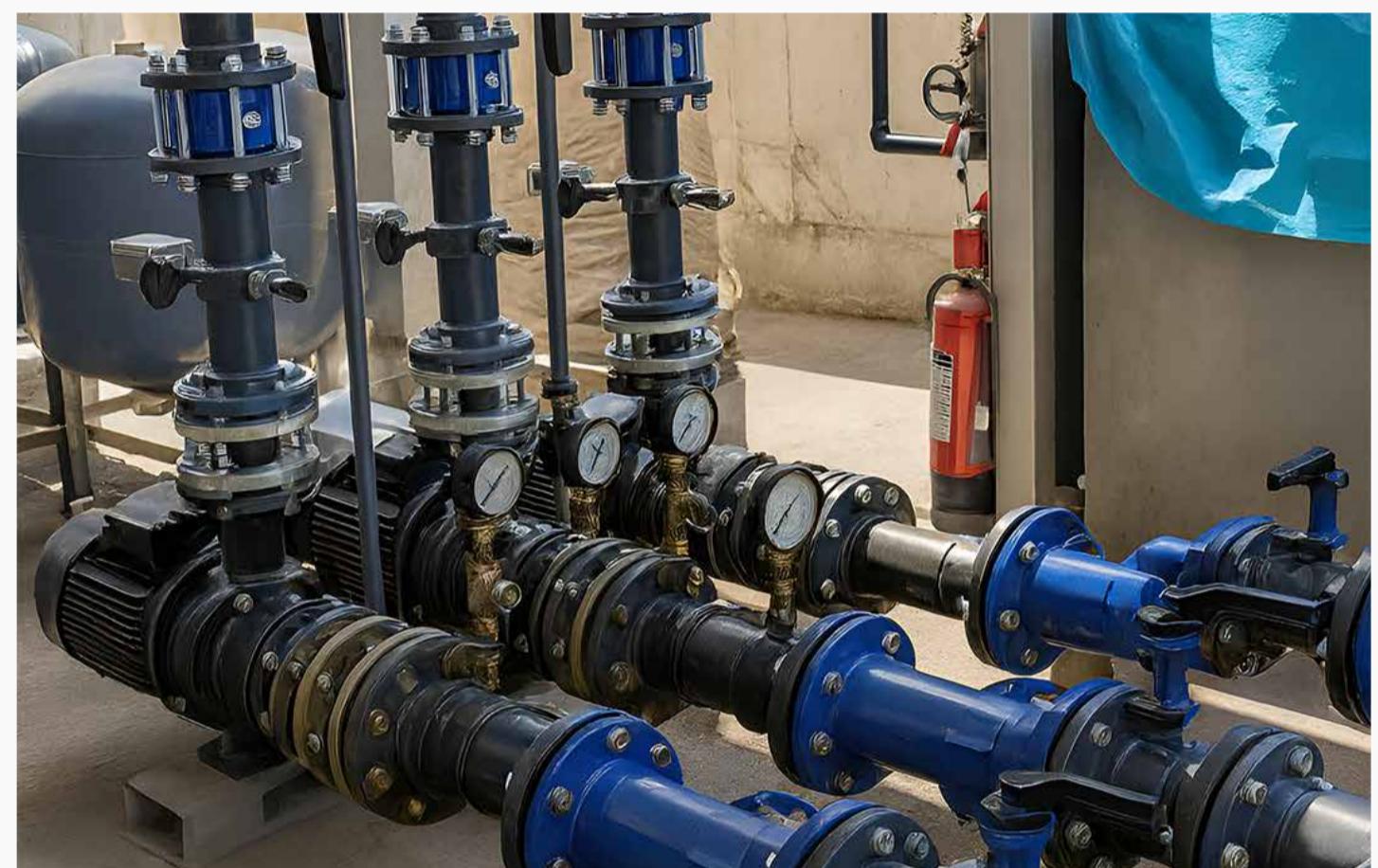
Logistics Warehouse

 TÜRKİYE / Antalya

## PROJECT DETAILS

→ -12°C Capacity	1.608 kW
→ -40°C Capacity	540 kW
→ NH <sub>3</sub> High Stage Compressors	SABROE-SAB 193L VSD / 2 PCS.
→ CO <sup>2</sup> Low Stage Compressors	SABROE-HPO 26 VSD / 2 PCS.

Design, construction and start-up of the ammonia-carbon dioxide-glycol cascade refrigeration system.



# MONDELEZ EMERAL

Starch Jelly Production Facility

 TÜRKİYE / Gebze

## PROJECT DETAILS

→ Starch Moulded Jelly Products Pallet Positions

APPROXIMATELY 20.000 TONNES / YEAR

→ Chiller Plant Capacities

7.563 kW COOLING & R717 COOLING CAPACITY

→ Mechanical and Electrical Installation For

R717 COOLING SYSTEM  
HEATING SYSTEM  
VENTILATION SYSTEM  
AIR CONDITIONING SYSTEM  
COMMON AND SANITARY PLUMBING  
START-UP AND COMMISSIONING



## NETLOG

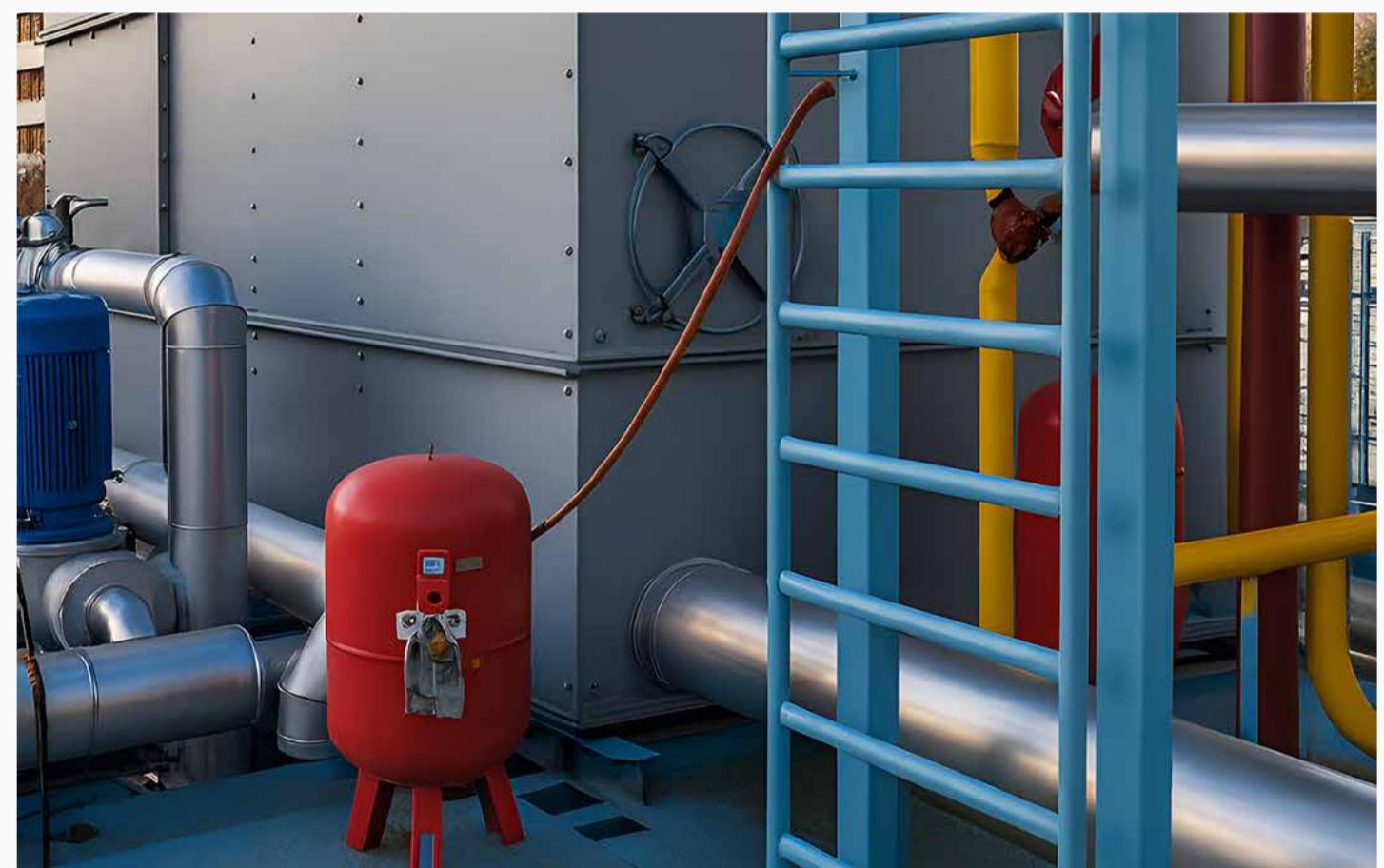
Logistics Warehouse

 TÜRKİYE / Antalya

### PROJECT DETAILS

→ -12°C Capacity	2.250 kW
→ -32°C Capacity	1.300 kW
→ NH <sub>3</sub> High Stage Compressors	-12°C BITZER OSKA 95103-K COMPRESSOR / 3 PCS.
→ CO <sup>2</sup> Low Stage Compressors	-35°C 4NSL-30 K COMPRESSOR / 13 PCS.

Design, construction and start-up of the ammonia-carbon dioxide cascade refrigeration system.



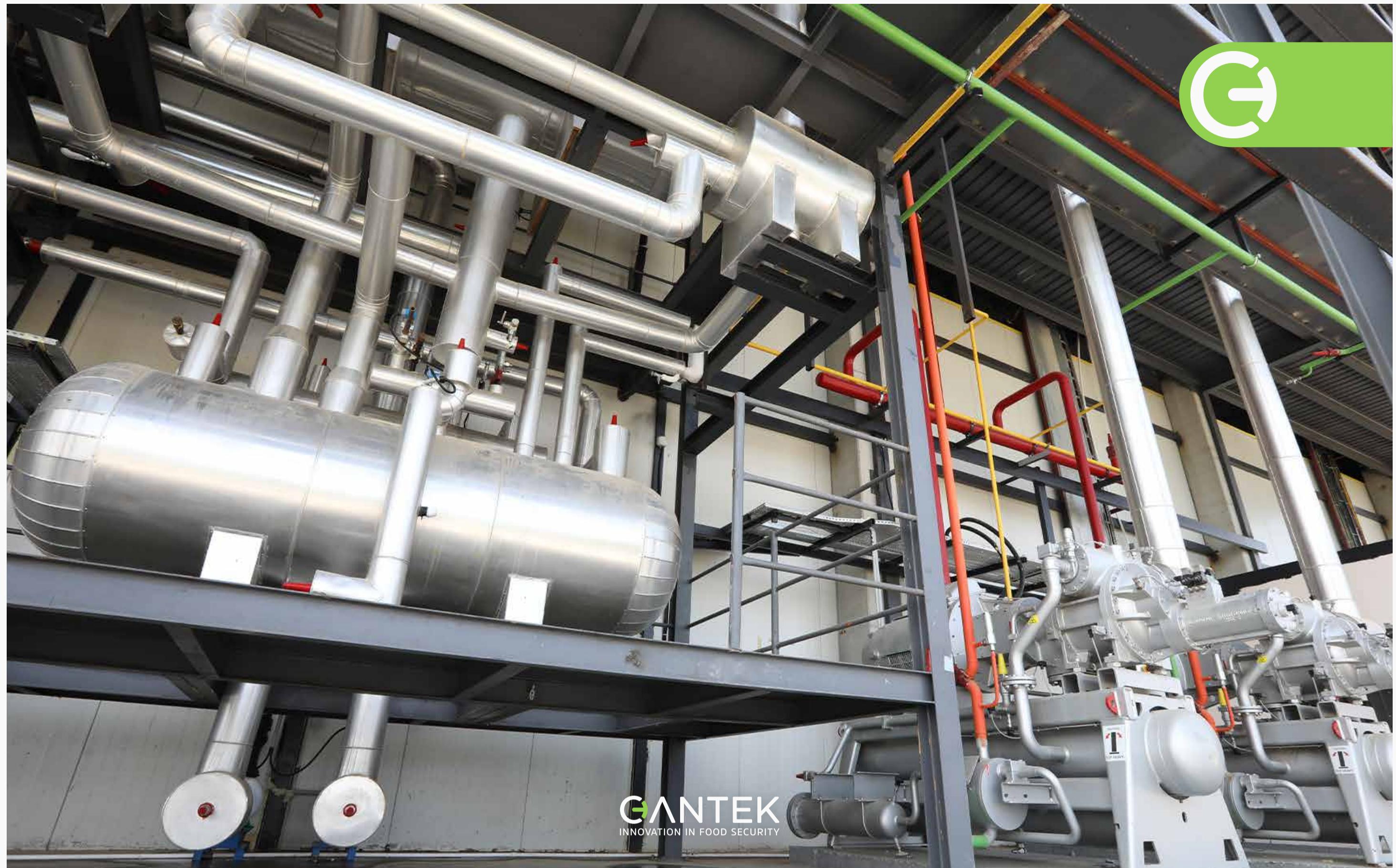
# TEK DÖNER

Doner & Meatballs Facility

 GERMANY / Berlin

## PROJECT DETAILS

→ Closed Production Area	4.000 m <sup>2</sup>
→ NH <sub>3</sub> High Stage Compressors	-14°C SABROE-SMC 108E VSD / 3 PCS.
→ CO <sup>2</sup> Low Stage Compressors	-40°C SABROE-HPO 24 VSD / 1 PC. +40°C SABROE-HPO 26 VSD / 2 PCS.
→ Heat Pump Unit	+70°C HOT WATER 205 kW SABROE-HEAT PAC24-CA
→ Cantek Belt Freezer	-40°C 800 KG / H DÖNER -40°C 320 KG / H KÖFTE
→ Flake Ice Machine	3.000 KG / 24 H



## NATURAL REFRIGERANT COOLING SYSTEMS

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### HALİL ÖZCAN

🇹🇷 TÜRKİYE / Antalya

2020

### ERM TARIM

🇹🇷 TÜRKİYE / Karaman

2020

### CSK TATU CITY

🇰🇪 KENYA / Tatu City

2019

### ZAOUIA AGADIR

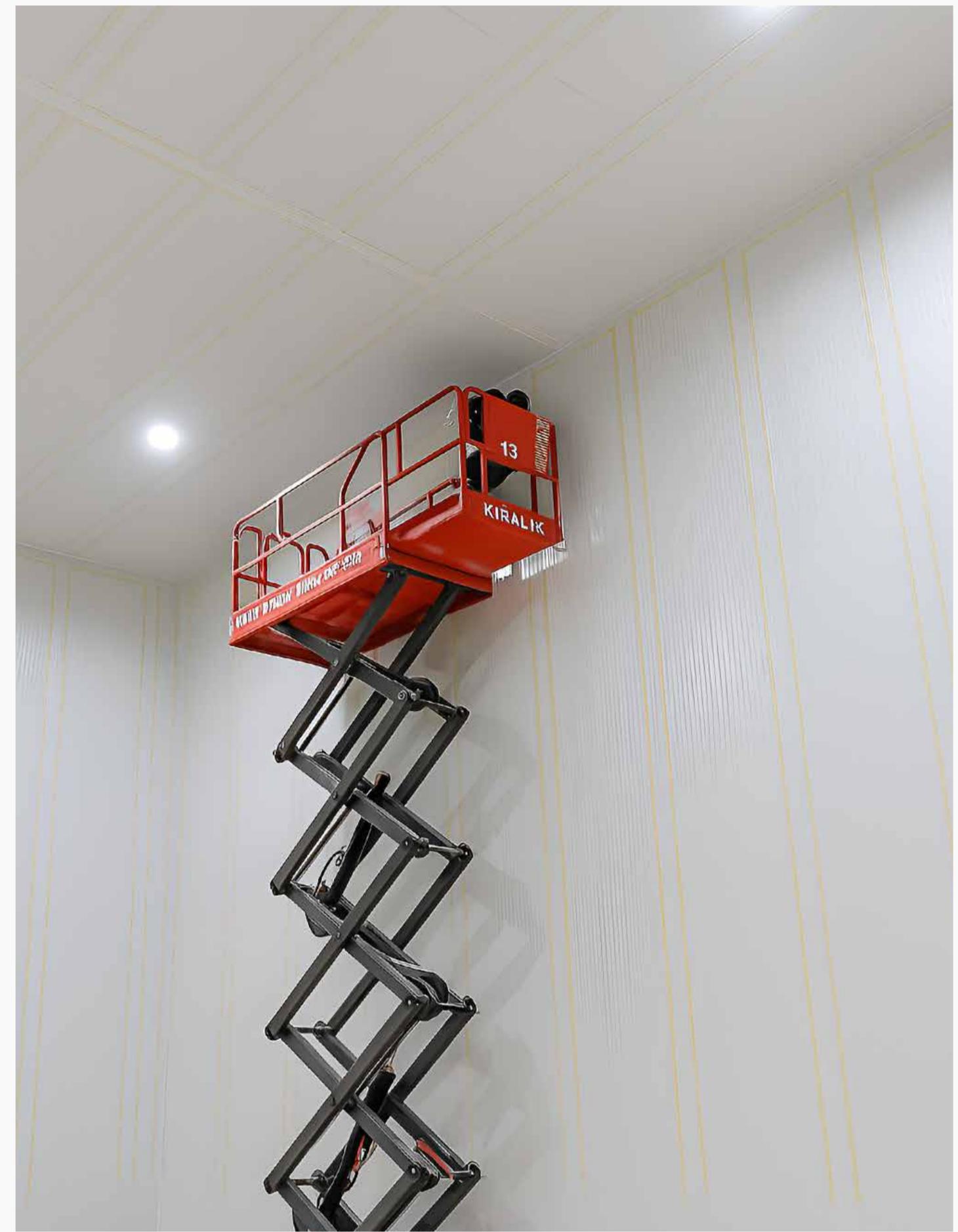
🇲🇦 MOROCCO / Agadir

2019

### AYMUZ

🇹🇷 TÜRKİYE / Antalya

2019



## HALİL ÖZCAN

Fresh Fruit & Vegetable Warehouse

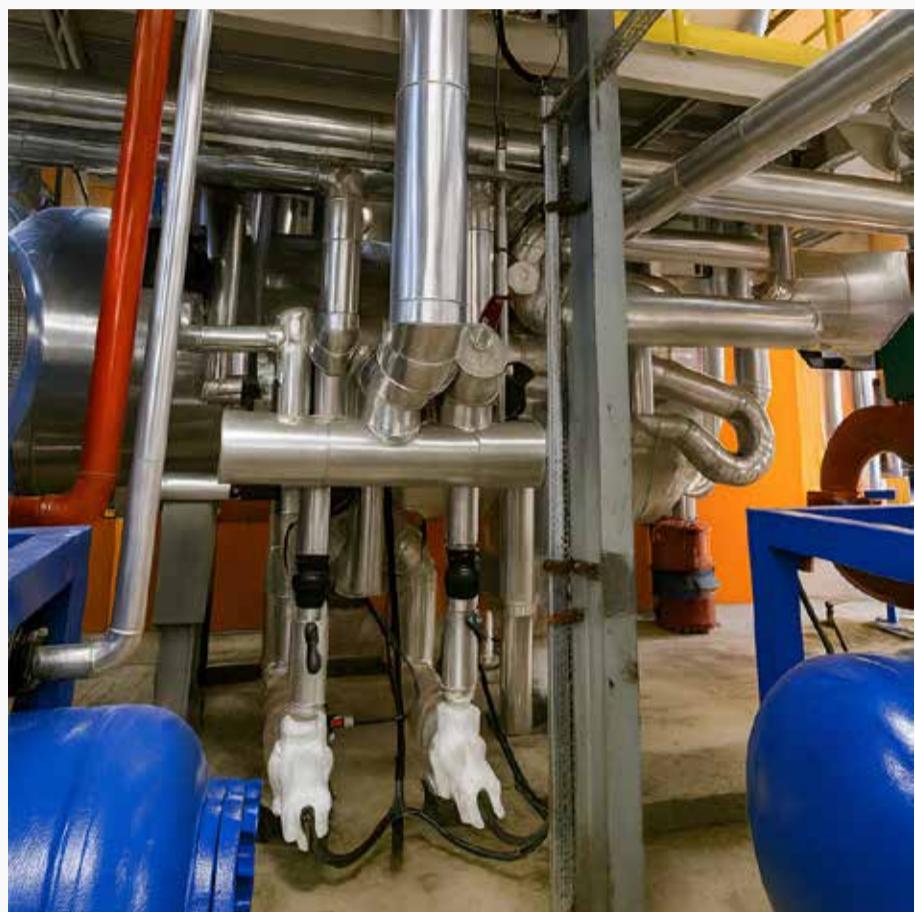
 TURKEY / Antalya

### PROJECT DETAILS

- Atmosphere Controlled Cold Rooms
- NH<sub>3</sub> / Glycol Cooling System

1.200 m<sup>2</sup> / 10x Rooms

600 kW



## ERM TARIM

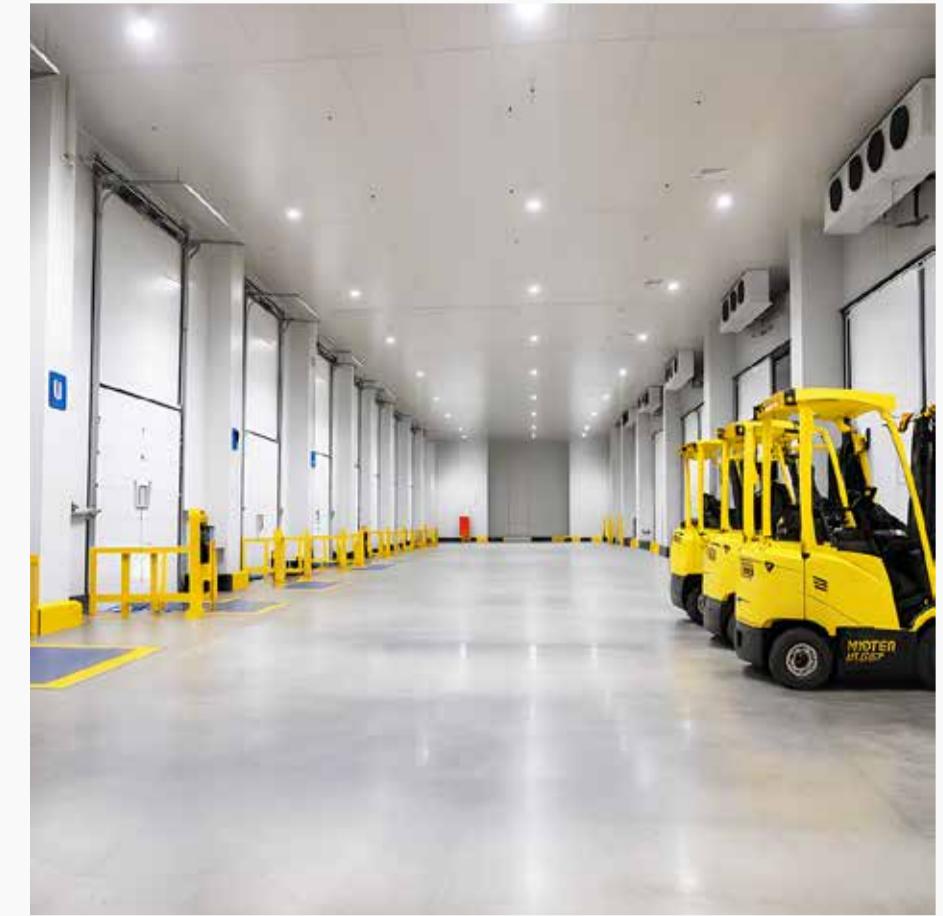
Freeze Dry

 TÜRKİYE / Karaman

### PROJECT DETAILS

→ CO <sub>2</sub> / NH <sub>3</sub> Cooling System for IQF and Rooms	3.850 kW
→ -38°C Capacity	1.400 kW
→ NH <sub>3</sub> High Stage Compressors	-12°C & +35°C BITZER OSKA / 2 PCS. -10°C & +35°C BITZER OSKA / 2 PCS.
→ CO <sub>2</sub> Low Stage Compressors	-38°C & -8°C SABROE HPC / 3 PCS.

Design, construction and start-up of the ammonia-carbon dioxide cascade refrigeration system including panel, doors and lighting system.



## CSK TATU CITY

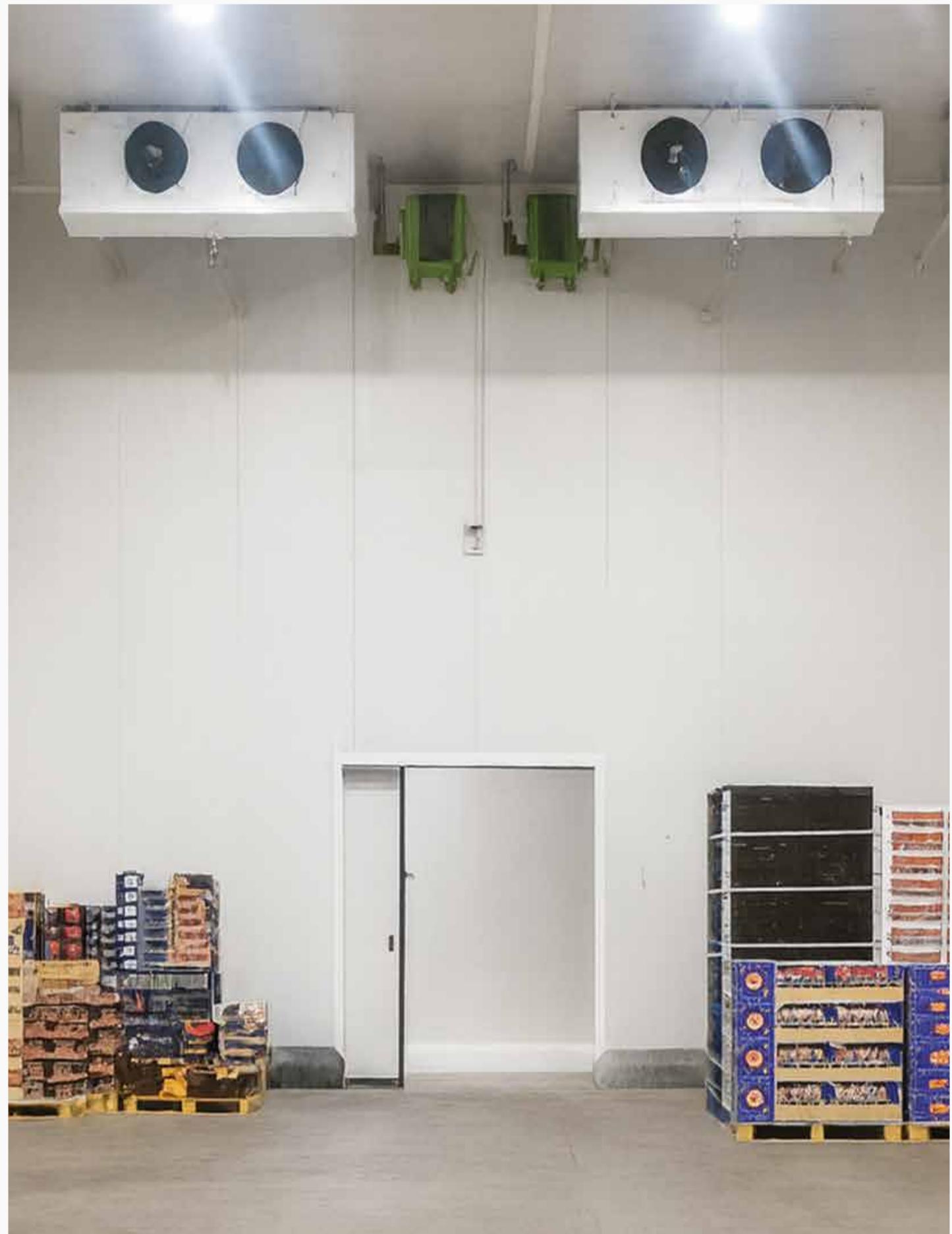
Logistics Warehouse

 KENYA / Tatu City

### PROJECT DETAILS

→ Palet Positions	APPROXIMATELY 15.000
→ Dual Regime Cold Chambers	8.549 m <sup>2</sup> / 103.444 m <sup>3</sup>
→ Mezzanine Foor	2.450 m <sup>2</sup>
→ Blast Freezers	10 TONNES / DAY x 4 ROOMS = 40 TONNES / DAY
→ Dock Locations	19
→ Pack House & Dry Goods Storage	
→ Office Space	75.460 m <sup>2</sup>
→ Staff Welfare Facilities	
→ Refrigeration & Mechanical, Electrical and Plumbing (MEP) Plant Rooms	
→ Back of House Facilities	PALLET REPAIR AREA, STAFF PARKING, LOW VOLTAGE (LV) AND GENSET PLANT ROOMS
→ -38°C Capacity	1.380 kW
→ -10°C Capacity	2.990 kW
→ Dual Purpose Compressor	540 / 1.572 kW

Design, construction and start-up of the ammonia-propylene glycol refrigeration system.



## ZAOUIA AGADIR

Citrus Warehouse

 MOROCCO / Agadir

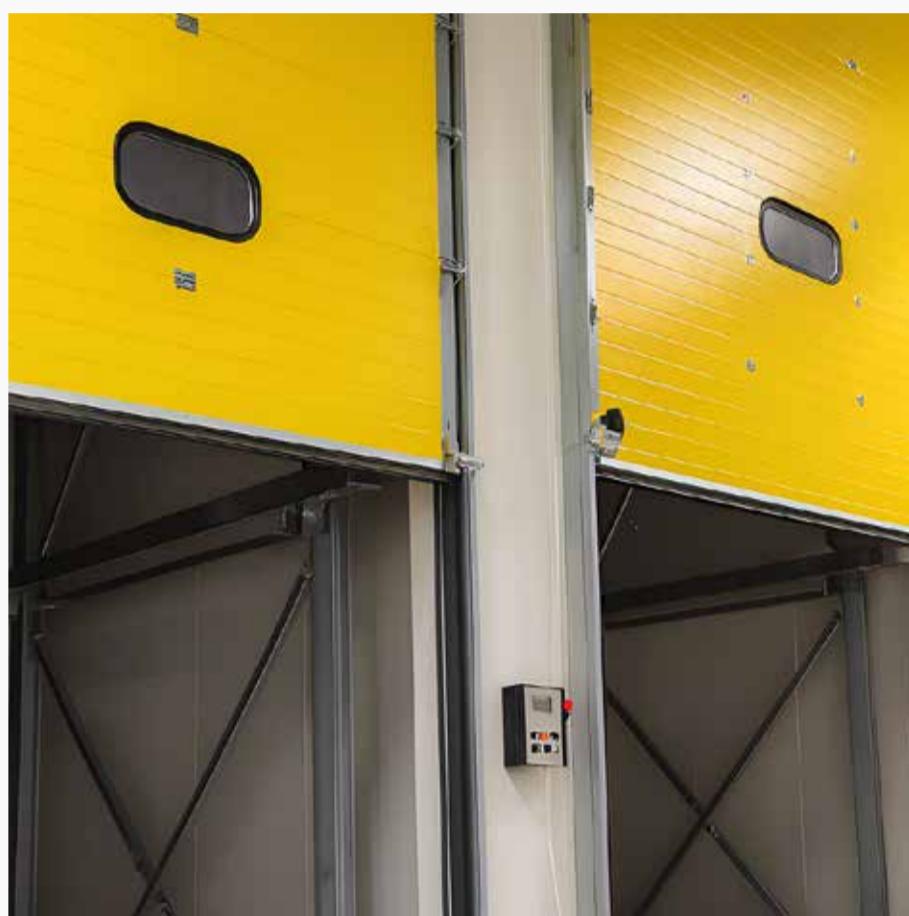
### PROJECT DETAILS

- NH<sub>3</sub> / Ethylene Cooling System
- -12°C Capacity

7.500 TONNES COLD STORAGE WAREHOUSE FOR FRUITS

725 kW

Fruit storage factory design. Construction and start-up of the ammonia-glycol chiller unit.



# AYMUZ

Banana Ripening Facility

 TÜRKİYE / Antalya

## PROJECT DETAILS

→ Pallet Banana	160
→ Box Banana	7.680
→ Banana Repining Rooms	4
→ Ventilation System	4
→ Rack System	4
→ 0° BITZER 4GE-30Y-40P / 4 pcs.	R404A & ETHYLENE GLYCOL CHILLER UNIT - 232 kW

Design, construction and start-up of the freon & glycol system.



**Closed production area of 40,000 m<sup>2</sup> /** Kapalı üretim alanı 40.000 m<sup>2</sup>

**Exceptional energy efficiency /** Olağanüstü enerji tasarrufu

**A to Z solutions: Turnkey projects /** A'dan Z'ye çözümler: anahtar teslim projeler

**Innovative technologies /** Yenilikçi teknolojiler

**Production alone is not enough /** Üretmek yetmez

**Preserve freshness: Add value to your products /** Tazeliği koruyun: Ürünlerinize değer katın

**Hygienic, economical, and uninterrupted food /** Hijyenik, ekonomik ve kesintisiz gıdalar

**For a better future /** Daha iyi bir gelecek için

[www.cantekgroup.com](http://www.cantekgroup.com)

**CANTEK ENERJİ SANAYİ VE TİCARET A.Ş.**

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