srpradyant.com

SRP
Sulu Radyant Panel

New generation heating system
for industrial areas
“Water Radiant Panel”

KOTRBATÝ®
Turkey Distributor

NEOPLANT
SRP is a Brand of Neoplant.

About Neoplant

Neoplant Engineering, which was established in 2011, brings together different disciplines and produces innovative solutions to the problems of the industry thanks to the experience of more than 20 years of its founders.

With the experience gained in previous projects, Neoplant Engineering became the Turkey distributor of Czech Water Radiant producer Kotrbaty operating in industrial facility heating and energy efficiency, in 2016.

With tens of successful projects it has completed since 2016, Neoplant Engineering has enabled its customers to meet with high-efficiency, advanced technology heating systems, and has led the sector especially in the introduction and application of Water Radiant panels in Turkey.

As a result of the TUBITAK project and R&D studies completed in 2021, NEOPLANT ENGINEERING, which started its R&D studies in 2017 for the domestic production of Water Radiant Panel systems providing more than 40% energy saving compared to other systems in the heating of industrial facilities, started production in SRP, as Turkey's first domestic Water Radiant Panel brand.

Neoplant Engineering has become a well-known brand in the sector with its Water Radiant Heating projects completed between 2016 and 2023. By 2024, Kotrbaty and SRP Water Radiant heating systems have been successfully applied in dozens of projects by Neoplant Engineering and an installed power of 45 mW has been reached. The majority of these completed projects serve in the facilities of giant organizations that have a say in industrial production in our country.

Neoplant Engineering, which continues its efforts to increase energy efficiency in the industry, completed its R&D project on industrial air curtains in addition to SRP in 2022 and started mass production of the EHP Adaptive Industrial Air Curtain in 2023.

Neoplant Engineering has also been certified by TÜV AUSTRIA with ISO 9001, ISO 14001 and ISO 45001 certificates by establishing the Integrated Management System in 2023, in line with the targets of increasing customer satisfaction, optimizing resource use and minimizing environmental and occupational health and safety risks in all its activities.

SRP Sulu Radyant Panel

EHP Endüstriyel Hava Perdesi

History

2011

Neoplant Engineering was established.

2016

We committed the distributorship of Kotrbaty Water Radiant panel brand in Turkey.

2017

We realized the first Water Radiant panel application.

2018

We completed the SRP Hacettepe Teknokent R&D project.

2018

We realized our first Defense Industry application.

2018

We realized our first overseas project.

2019

We realized our first chip boiler application.

2019

We registered the SRP brand worldwide.

2020

We realized our first steam exchanger heating application.

2020

We realized our first waste heat economizer application.

2021

We have completed the SRP Tubitak Teydeb 1507 project.

2021

We have completed the production and certification of the SRP prototype.

2022

We started mass production of Turkey's first domestic Water Radiant panel.

2022

We completed the EHP Adaptive Industrial Air Curtain R&D Project.

2022

We realized our first domestic SRP application.

2023

We started mass production of EHP Adaptive Industrial Air Curtain.

2023

We have been awarded the ISO 9001 - ISO 14001 - ISO 45001 certifications.

References

With each passing day, we produce solutions for heating of more factories and facilities.

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Heating Solution in **650.809 m² Area**

of **56 Brands**

in **4 Countries**

Since **2016**

[yataş] GRUP · EVINE · DAL HEAVY INDUSTRIES · FNSS · DALGAKIRAN · INTECRO · RAYON · Tüpraş

tyco Fire Protection Products · ODTÜ · YÜKSEL PROJE · TürkTraktör · KONFOR · CANGA · EGO Genel Müdürlüğü · deberenn

biytaş · istikbal · AYMAKSAN · ONUR FİBER · TÜRKHAVACILIK UZAYSANAYİİ · SALOGLU · VitrA | ARTEMA · boracelik

sinerji · arçelik · zebrend LUXURY PHILOSOPHY · kmk paper · ADY Azərbaycan Dəmir Yolları QSC · DE TASARIM · MODEL AMBALAJ · METYX · telateks

Gökrail · KEY HOLDİNG · NORM CİVATA · NORM SALİHLİ · NORM COATING · sarsprofil Dekoratif Ahşap Profil · MVD · ASO SEM

seçkinbüro · NGR Hidrolik · GMS Medikal Eğitim ve İnşaat A.Ş. · OGUZAMBALAJ · HEYDAR ALIYEV INTERNATIONAL AIRPORT · Ege Endüstri · HAN · WAMGROUP

BMC · KONYA LİSESİ 1889 · GELAL · Kablotel · Kontrolmatik Technologies · VAKO VAGON & KONTEYNER · mavera Boutique

SRP Working Principle

SRP system, which provides radiant heating by obtaining the hot water required for the system with alternative energy sources, consists of radiant panel, thermometer, pump group and control unit.

SRP
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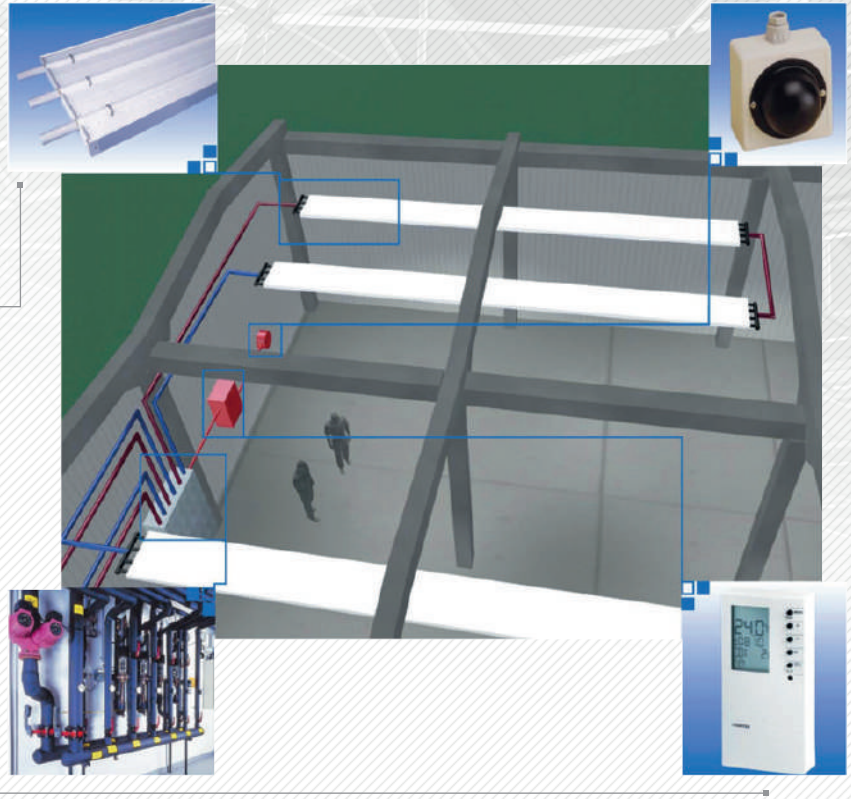
- Water Radiant Panel
- Thermometer
- Pump Group
- Control Unit



Natural Gas

Coal

Pellet

Condensing Cascade Boiler

Hot / Super-heated WaterBoiler

Heat Pump

Geothermal

Steam Boiler

Waste Heat

SRP
What is it?

The water radiant heating system can save up to 40% energy compared to other heating systems.Panels suspended evenly on the ceiling of the facilities provide a natural and comfortable heating in the environment. In the water radiant system, the hot/superheated water circulating on the panel surfaces transfers its heat to the panels, the heated specially coated panels transfer the heat to the people and objects by radiation, just as the sun warms our Earth. Water Radiant System has started to take its place as a significant alternative to other heating systems in recent years due to its many advantages such as reducing heating costs significantly, eliminating the risk of fire, dust circulation and noise, and being maintenance-free for many years.

No Fire Risk

40 %

energy saving

Certifications

TÜV AUSTRIA CERTIFIED
EN ISO 9001 20100233017240
EN ISO 14001 20104233017241
ISO 45001 20116233017242

Neoplant Engineering is an ISO 9001, ISO 14001 and ISO 45001 certified company in the fields of "Water Radiant Panel and Industrial Air Curtain design, production and sales"

HLK STUTTGART

SRP water radiant panels have been tested and certified in HLK Stuttgart laboratories in accordance with EN 14037 norms.

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SRP IS COMFORTABLE!

- Provides homogeneous temperature distribution
- Does not create any airflow
- Works silently
- Creates extra comfort thanks to its high radiation effect
- Provides optimum comfort thanks to the high floor temperatures

SRP IS ECONOMIC!

- No maintenance and service costs
- Possibility to work also with renewable and waste energy sources
- High Energy Efficiency (radiant efficiency up to 79%)
- No obligation to use natural gas
- Unused panels can be deactivated via motorized valves

SRP IS PRACTICAL!

- Easy and fast to install
- Admission time is very low
- Adaptable to use at any ceiling height (2.5 meters – 40 meters)
- No need for chimney or additional ventilation in the space
- The need for piping is minimal

SRP IS HEALTHY!

- Ambient air is clean as no combustion gas is released into the ambient air
- No air flow, no dust and particle circulation

SRP IS SAFE!

- No risk of fire
- No risk of flashing or explosion
- No risk of flue gas or natural gas leakage in the area

SRP IS ENVIRONMENTALLY FRIENDLY!

- Thanks to its high efficiency, it minimizes the Nox and CO2 emission
- Can be used with renewable energy sources and waste heat

SRP IS COMPACT, ADAPTABLE AND STYLISH!

- Provides the possibility of mounting in height, width and length as needed
- Space-saving as it is mounted on the ceiling
- Both heating and cooling can be done with the same panels
- Creates an aesthetic appearance in the area with its elegant design
- Creates integrity in the space with its RAL color options

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[yatas] GRUP

SRP
Completed
Projects

2019-2022

Ankara

110/90 °C - 18 °C

7,5 m

37.617 m²

Sawdust

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NORM SALİHLİ

SRP
Completed
Projects

2021

Manisa

80/60 °C - 18C °C

8 m

16.095 m²

Waste Heat

SRP
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DAL HEAVY INDUSTRIES

SRP
Completed
Projects

2018

Uzbekistan

80/60 °C - 18°C

14,8 m

10.192 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

FNSS

SRP
Completed
Projects

2018-2022

Ankara

90/70 °C - 21 °C

10 m

7.516 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

DALGAKIRAN

SRP
Completed
Projects

2019

Gebze

80/60 °C - 18°C

10 m

23.861 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

arçelik

SRP
Completed Projects

2020-2023

Eskişehir-Bolu

90/70 °C – 19 °C

3,2 - 6,5 m

5.650 m²

Natural Gas

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ENME

SRP
Completed
Projects

2022

Ankara

110/90 °C - 18°C

9 m

18.533 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

RAYON

SRP
Completed
Projects

2021

Çorlu

90/70 °C – 18 °C

12 m

8.278 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

Gökrail

SRP
Completed
Projects

2021-2022
2023-2024

Sivas

110/90 °C - 15 °C

8 m

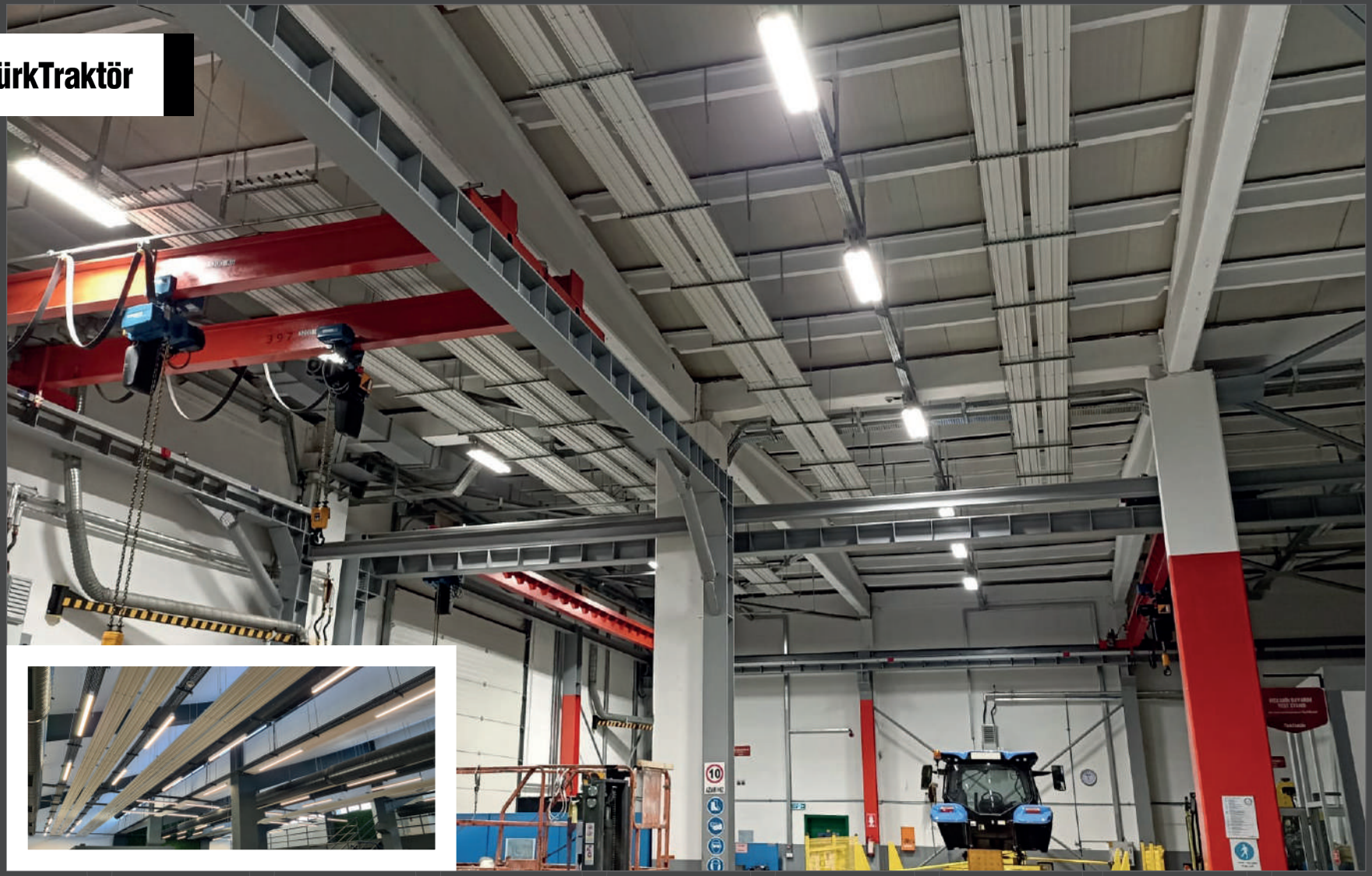
50.895 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

TürkTraktör



SRP
Completed
Projects

2022-2023

Ankara

110/90 °C - 18 °C
80/70 °C - 24 °C

5,7 m - 8 m

1.817 m²

Natural Gas

SRP
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MODEL AMBALAJ

SRP
Completed
Projects

2022

İstanbul

80/60 °C - 18 °C

9 m

2.760 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

SALOGLU

SRP
Completed
Projects

2020

Azerbaijan

110/90 °C - 18 °C

6 m

23.580 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

EGO Genel Müdürlüğü

SRP
Completed
Projects

2019

Ankara

80/60 °C - 18°C

9 m

15.950 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

VitrA | ARTEMA

SRP
Completed
Projects

2022

Bilecik

85/65 °C - 18°C

8,4 m

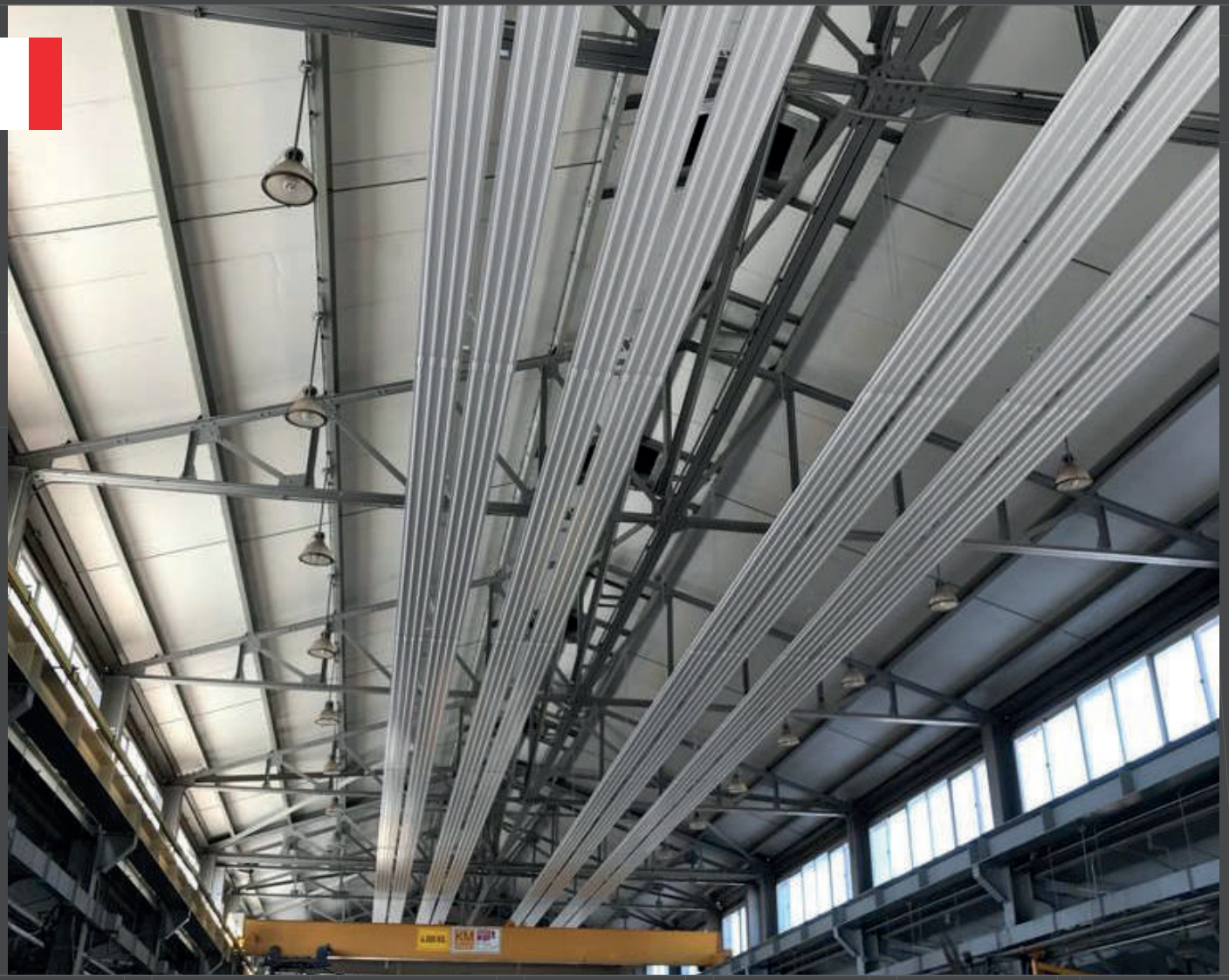
6.175 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

Tüpraş



SRP
Completed
Projects

2022

Batman

80/60 °C - 18°C

8 m

950 m²

Electric

SRP
Sulu Radyant Panel

NEOPLANT

Kontrolmatik Technologies

SRP
Completed
Projects

2023

Ankara

85/70 °C -18 °C

11 m

11.700 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

sinerji
SILAH VE MÜHİMMAT A.Ş.

SRP
Completed
Projects

2020-2022

Kırıkkale

80/60 °C - 18 °C

9 m

8.620 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

DE TASARIM

SRP
Completed
Projects

2021

İzmir

80/60 °C – 20 °C

4,7 m

4.220 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

istikbal

SRP
Completed
Projects

2022-2023

Kayseri

100/85 °C - 22 °C

5 m

5.680 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

kmk paper
KAHRAMANMARAŞ KAĞIT SAN. ve TİC. A.Ş.

SRP
Completed
Projects

2020

Kütahya

110/90 °C – 18 °C

8 m

17.100 m²

Steam-Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

KEY HOLDING

SRP
Completed Projects

2021

Kahramanmaraş

110/90 °C – 18 °C

12 m

2.857 m²

Steam-Coal

SRP
Sulu Radyant Panel

NEOPLANT

kmk paper
KAHRAMANMARAŞ KAĞIT SAN. ve TİC. A.Ş.

SRP
Completed
Projects

2021

Kütahya

90/70 °C – 18 °C

8 m

6.300 m²

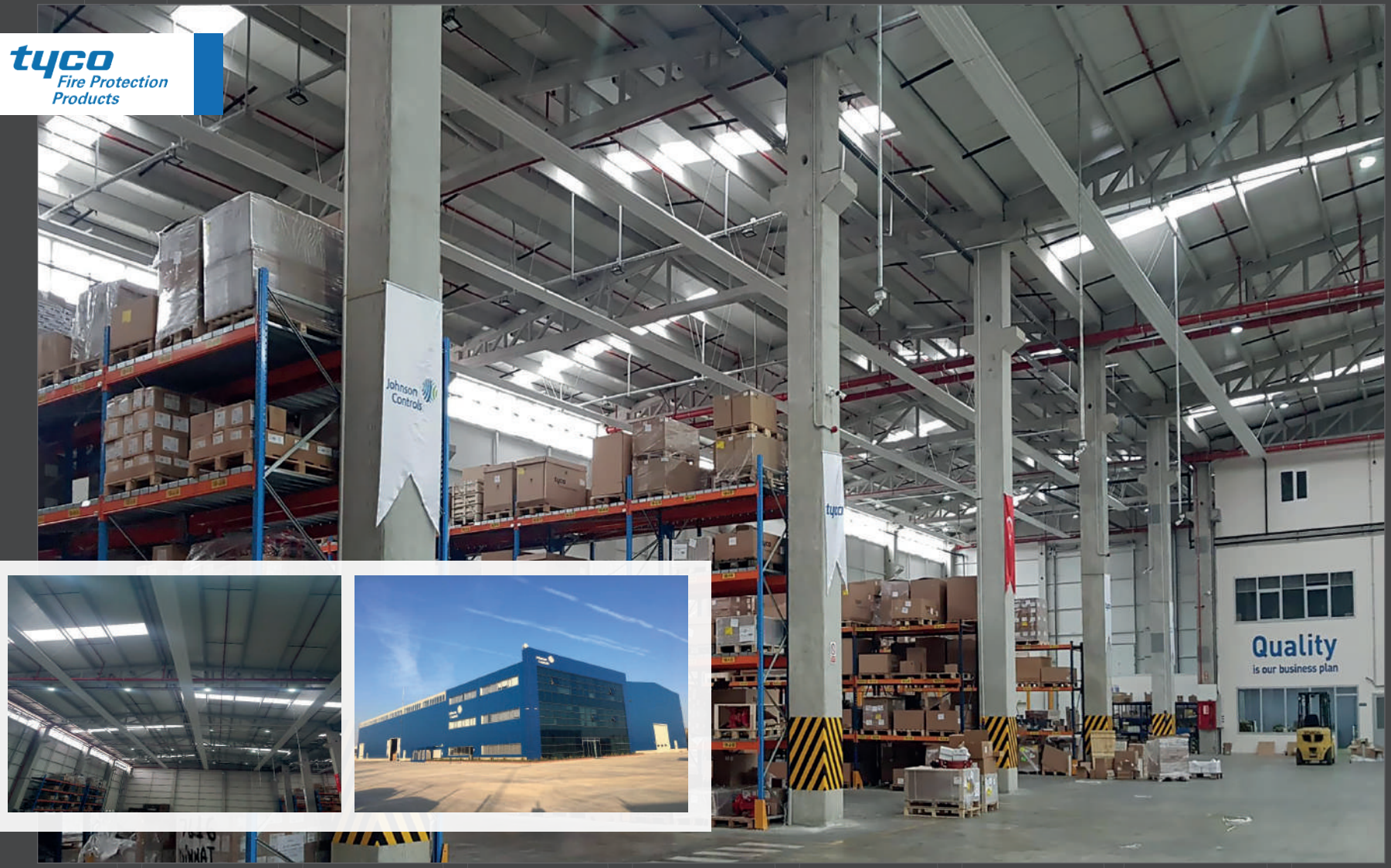
Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

tyco Fire Protection Products

SRP Completed Projects



- 2019
- Ankara
- 80/60 °C – 12°C
- 11 m
- 2.729 m²
- Natural Gas

SRP Sulu Radyant Panel

NEOPLANT

INTECRO

SRP
Completed
Projects

2017

Ankara

90/70 °C - 18°C

12 m

1.800 m²

Coal

SRP
Sulu Radyant Panel

NEOPLANT

METYX composites | telateks

SRP
Completed
Projects

2022

Manisa

90/70 °C - 18°C

12 m

11.000 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

NORM CIVATA

SRP
Completed
Projects

2021-2023

İzmir

80/60 °C - 18 °C

8 m

9.346 m²

Waste Heat

SRP
Sulu Radyant Panel

NEOPLANT

boracelik

SRP
Completed
Projects

2022

Eskişehir

110/90 °C - 18°C

9 m

10.151 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

TÜRKHAVACILIK UZAYSANAYİİ

SRP
Completed
Projects

2023-2024

Ankara

80/60 °C - 22 °C

6 - 40 m

8.904 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

CANGA
SAVUNMA ENDÜSTRİ

SRP
Completed
Projects

2019

Kırıkkale

80/60 °C - 18°C

9,5 m

3.060m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

KONFOR

SRP
Completed
Projects

202-2023

İzmir

110/90 °C - 15 °C

8 m

48.274 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

sarsprofil
Dekoratif Ahşap Profil

SRP
Completed
Projects

2021

Kayseri

110/90 °C – 22°C

9 m

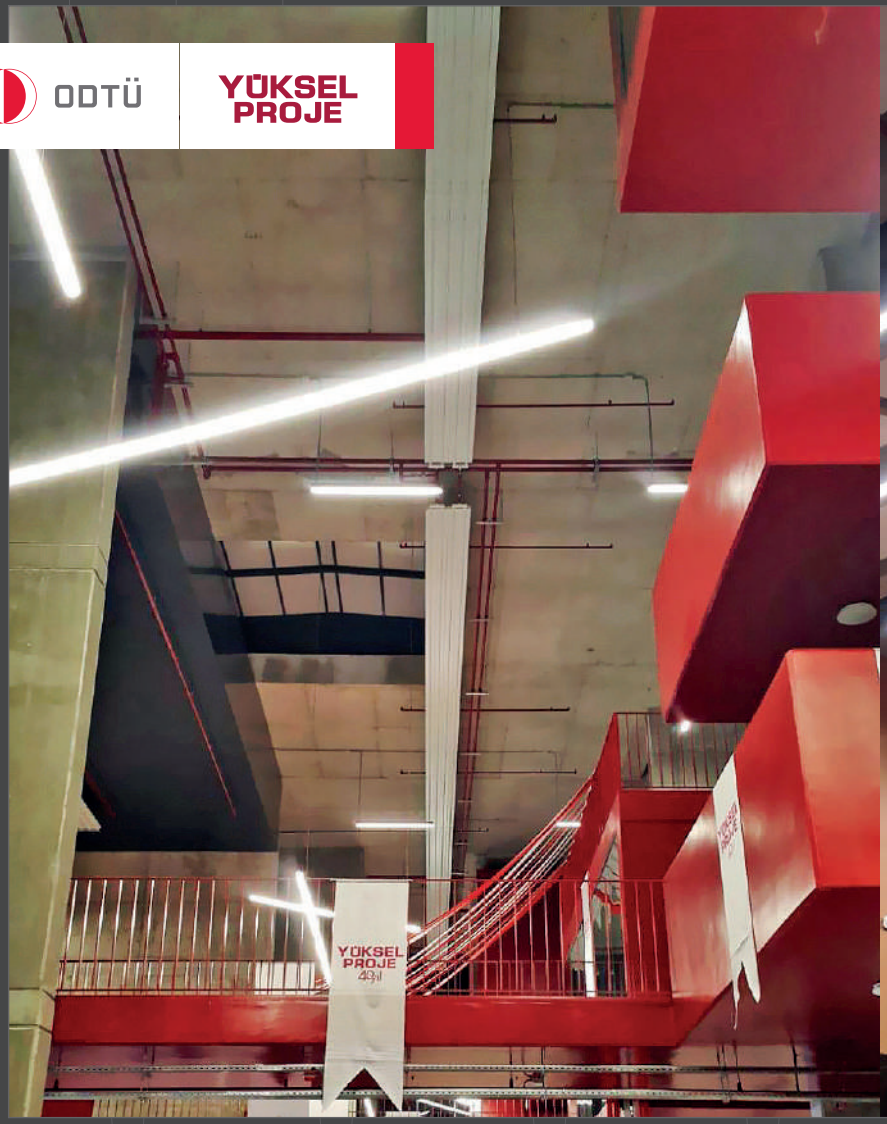
17.500 m²

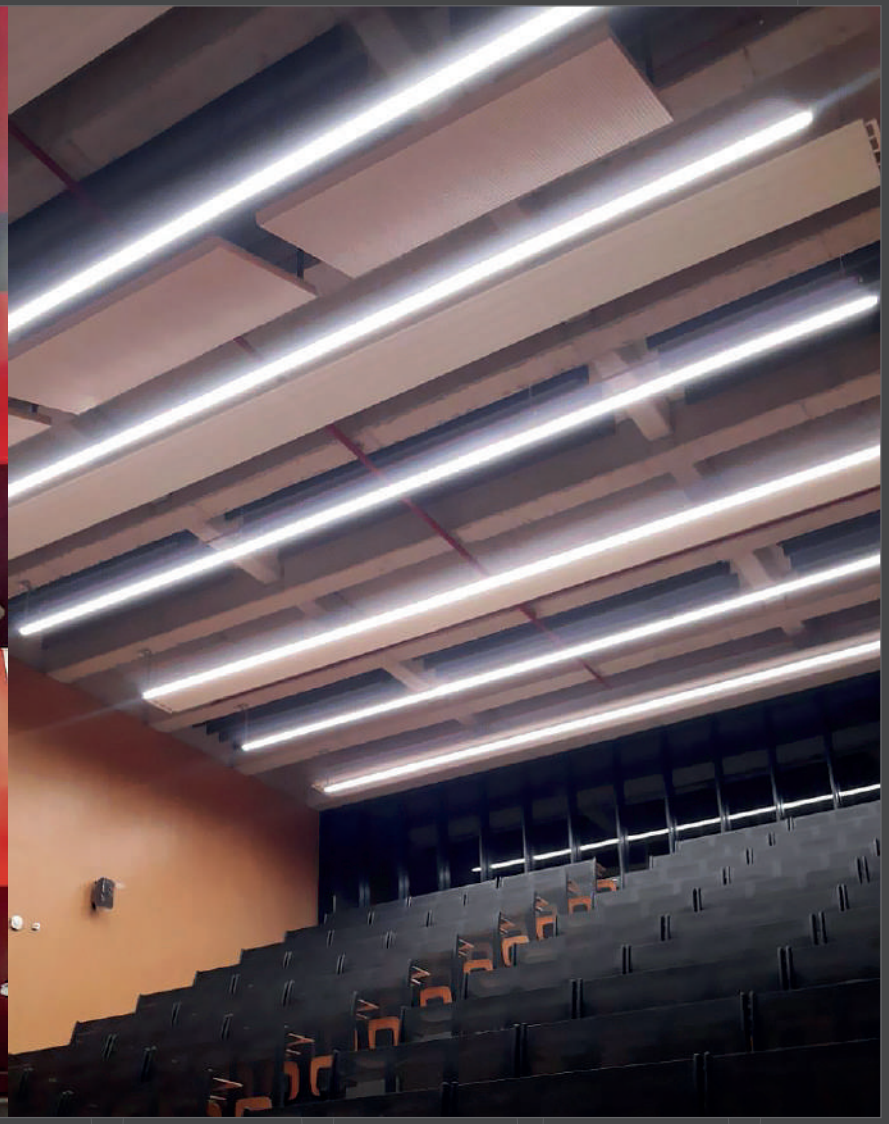
Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

ODTÜ | YÜKSEL PROJE





SRP
Completed
Projects

2018

Ankara

90/70 °C - 20°C

10 m

1.700 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

HEYDAR ALIYEV
INTERNATIONAL AIRPORT

SRP
Completed
Projects

2022

Azerbaijan

80/60 °C - 18°C

21,5 m

6.400 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

ONUR FİBER

SRP
Completed
Projects

2020

Ankara

110/90 °C -18 °C

9,9 m

11.664 m²

Pellet

SRP
Sulu Radyant Panel

NEOPLANT

Ege Endüstri

SRP
Completed
Projects

2023

İzmir

90/70 °C - 18°C

10,5 m

36.000 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

OGUZAMBALAJ

SRP
Completed
Projects

2023

İstanbul

80/60 °C - 18 °C

5,5 m

817 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

GMS Medikal
Eğitim ve İnşaat A.Ş.

SRP
Completed Projects

2022

Ankara

80/60 °C - 20°C

12 m

10.300 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

Ahılkelek
Tren İstasyonu

SRP
Completed
Projects

2021

Georgia

90/70 °C -15 °C

8,7 m

8.582 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

SRP
Completed
Projects

2022

Konya

90/70 °C - 18°C

7 m

12.800 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

NORM COATING

SRP
Completed
Projects

2022

Manisa

80/60 °C - 18°C

12 m

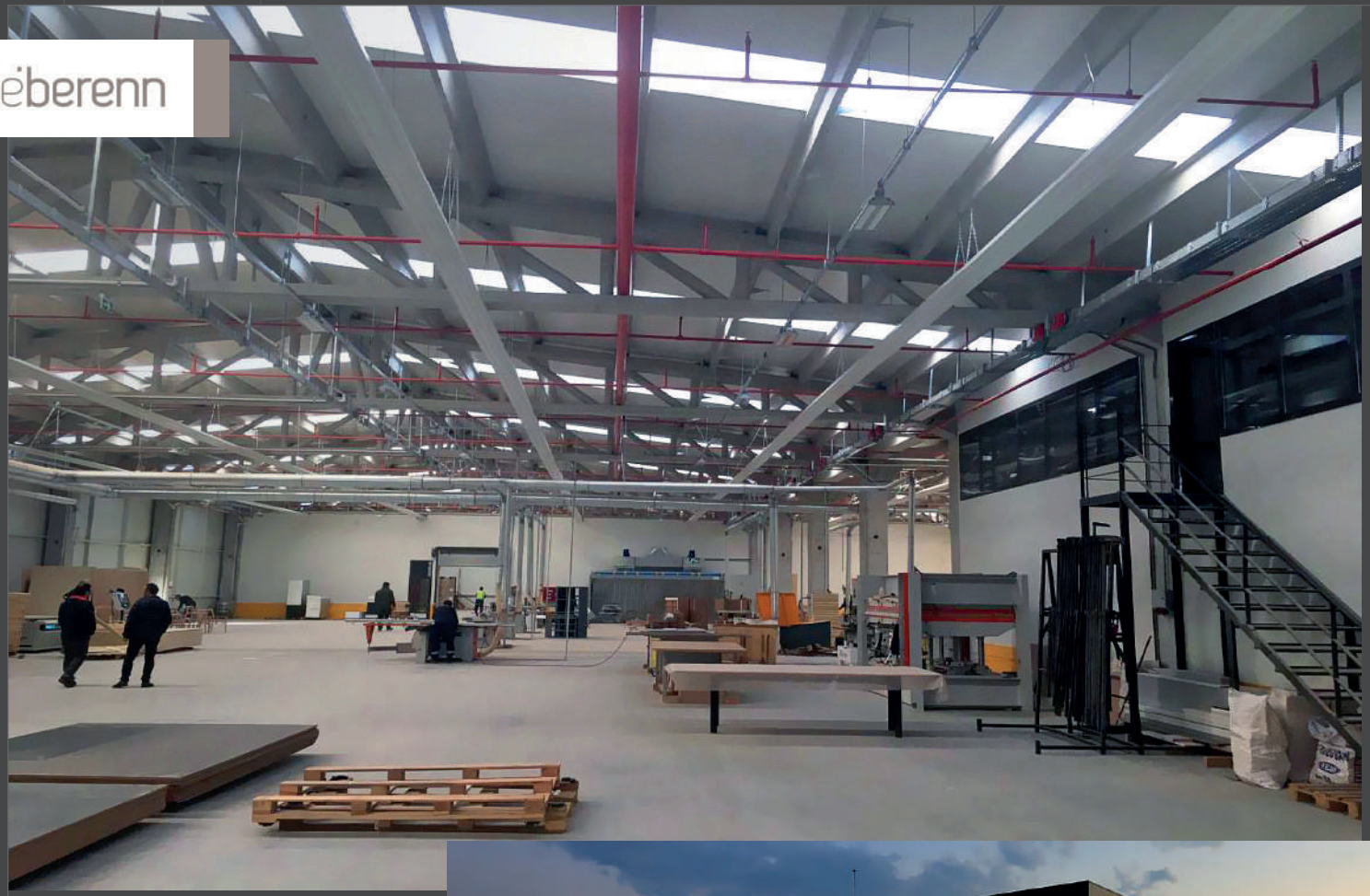
6.114 m²

Waste Heat

SRP
Sulu Radyant Panel

NEOPLANT

déberenn



SRP
Completed
Projects

2019-2023

Ankara

110/90 °C - 18 °C

6 m

7.566 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

zebrand
LUXURY PHILOSOPHY

SRP
Completed
Projects

2020

Ankara

80/60 °C - 18 °C

4,5 m

8.072 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

seçkinbüro®

SRP
Completed Projects

2019

Gebze

110/90 °C - 18 °C

3,8 m

3.712 m²

Sawdust

SRP
Sulu Radyant Panel

NEOPLANT

AYMAKSAN

SRP
Completed
Projects

2019

Ankara

80/60 °C - 18 °C

10,6 m

2.207 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

NGR Hidrolik

SRP
Completed
Projects

2020

Ankara

80/60 °C - 18 °C

9,8 m

2.426 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

ASO
SÜREKLİ EĞİTİM
MERKEZİ

SRP
Completed
Projects

2018

Ankara

80/60 °C - 18 °C

6,8 m

2.415 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

biytaş

SRP
Completed
Projects

2017

Bursa

80/60 °C - 18°C

5 m

759 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

HAN®

SRP
Completed
Projects

2023

Gebze

80/60 °C - 18°C

16 m

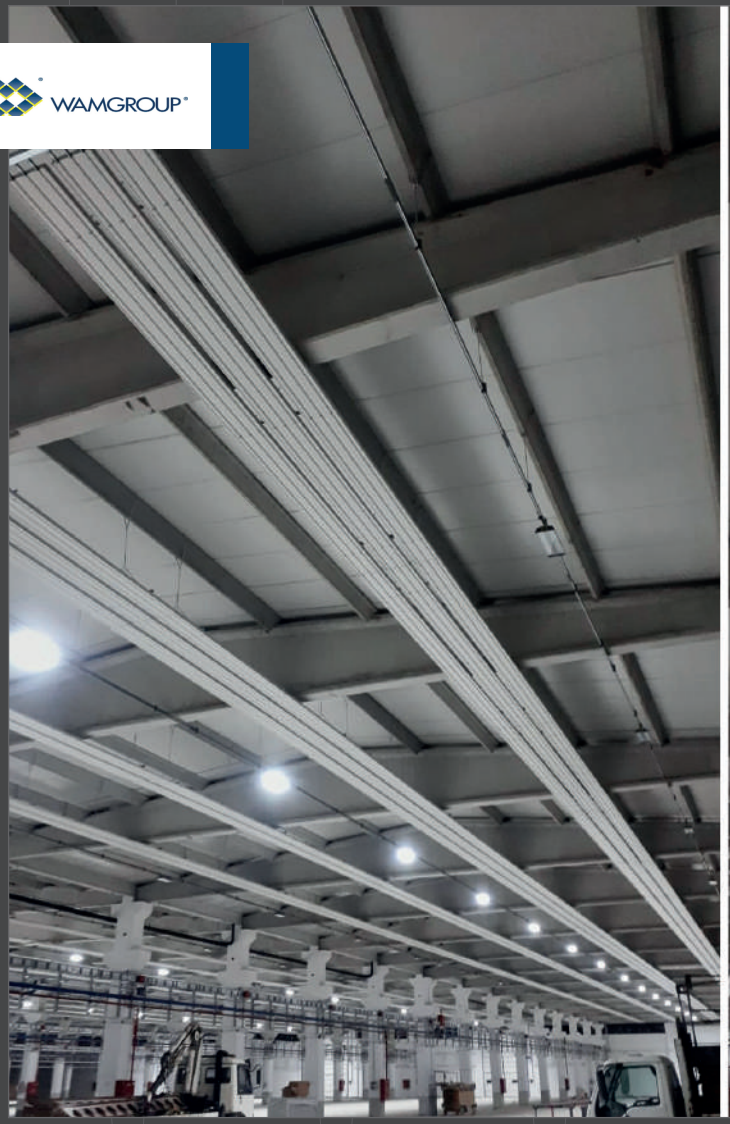
8.750 m²

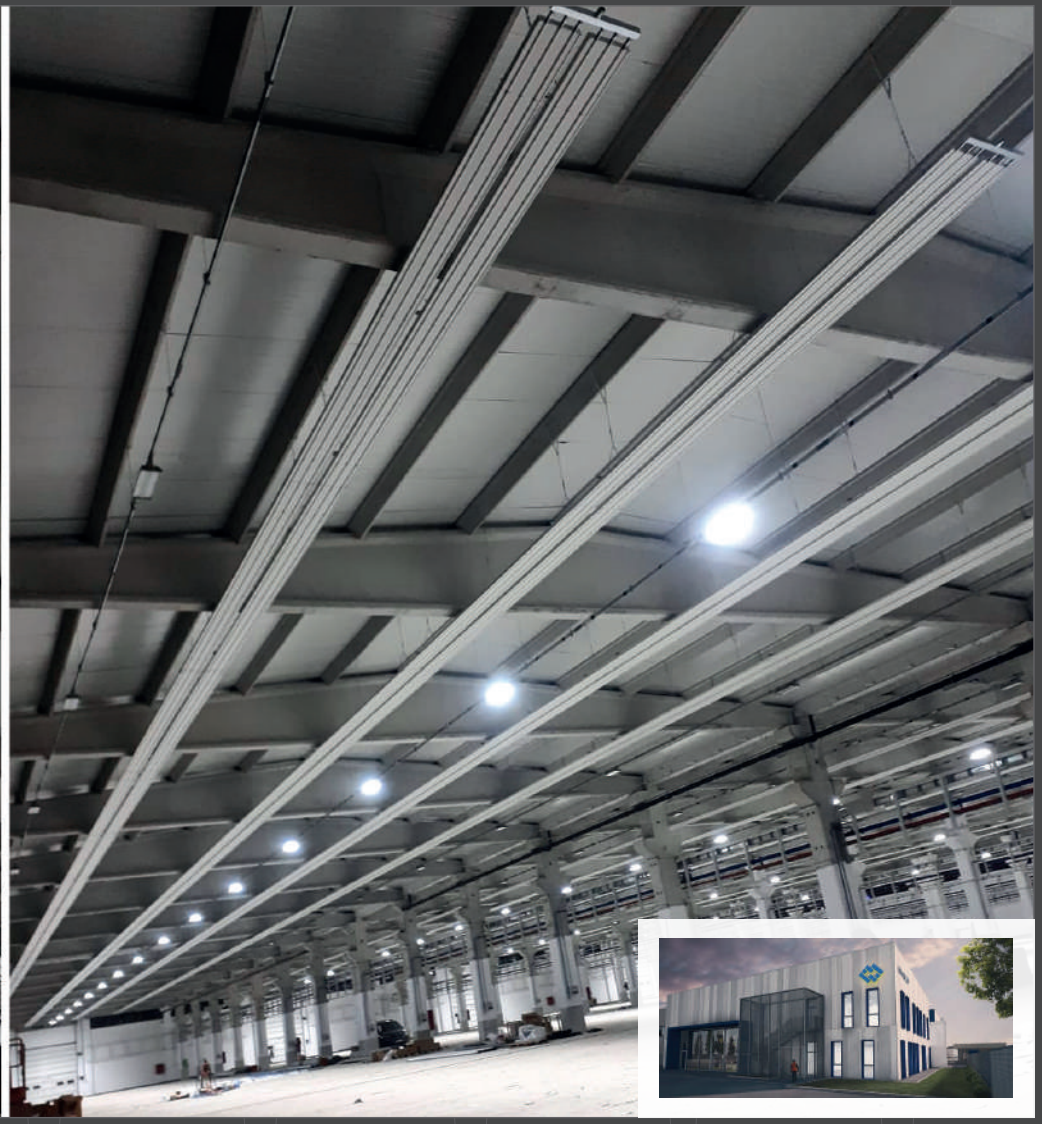
Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

WAMGROUP





SRP
Completed Projects

2023

Kütahya

80/60 °C - 18°C

8,2 m

13.000 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

Zırhlı
Birlikler

SRP
Completed
Projects

2023

Ankara

70/50 °C - 21°C

7,5 m

4.280 m²

Natural Gas

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Konya
Lisesi

SRP
Completed
Projects

2023

Konya

70/50 °C - 15°C

8 m

670 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

GELAL
Socks Industry

SRP
Completed
Projects

2023

Çankırı

80/60 °C - 20 °C

8 m

400 m²

Natural Gas

SRP
Sulu Radyant Panel

NEOPLANT

VAKO

SRP
Completed
Projects

2023

Ankara

80/60 °C - 16 °C

13 m

7.500 m²

Natural Gas

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SRP
Sulu Radyant Panel

NEOPLANT MÜHENDİSLİK
Malıköy Başkent OSB Mah. 19. Cadde No:43 Sincan/Ankara
Tel:0 312 227 06 19
info@neoplant.com.tr
www.neoplant.com.tr
www.srpradyant.com

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