



# GRADE REFRIGERATION

Sustainable cooling and heating solutions





# WELCOME TO THE WORLD OF GRADE REFRIGERATION

Explore our cooling and heating products and services, the applications they suit, and the benefits of our world-class solutions.

GRADE Refrigeration combines extensive process knowledge and integrated heating and cooling expertise to deliver sustainable, energy-saving solutions for customers in the food, beverage, and other key industries throughout the whole MENA & Maghreb regions.

We play an important role in the decarbonization of production processes and other areas of the market. With a sustainable energy solutions platform – which includes a comprehensive portfolio of refrigeration and heating equipment and services – GRADE delivers the precise temperatures that our customers' operations require. Our proven technologies can provide you with integrated, high efficiency solutions that significantly reduce CO2 emissions and energy costs.

Explore the world of GRADE solutions and services designed to keep your company's critical cooling and heating systems running reliably and efficiently.



# ABOUT US

GRADE is a joint venture between GRASSO and ADEAREST and is part of a leading global group in Industrial Refrigeration. We design, install, and maintain innovative heating and refrigeration solutions for our customers that have Industrial Refrigeration as an essential part of their daily business operations.

We are dedicated to serve our customers in the Middle East, North Africa and Maghreb - including Afghanistan, Algeria, Bahrain, Djibouti, Egypt, Eritrea, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Pakistan, Palestine, Qatar, Saudi Arabia, Sudan, South Sudan, Tunisia and Yemen - and are able to meet their expanding needs and deliver high-quality solutions in competitive environments.

With a strong presence in the MENA and Maghreb markets, GRADE has established successful working relationships and partnerships with an ever-growing client base. We now have a portfolio of over 1,000 contracted clients across the regions from a variety of different sectors.

Our business philosophy is based on fostering long-term relationships with our customers, empowering our people to perform at the highest levels and continuously developing innovative and sustainable solutions in industrial heating and refrigeration.

Working with GRADE means partnering with a dedicated team of refrigeration experts. Our singular focus is to build, maintain, and improve customer performance throughout the full cycle of their plant and equipment.

# GRADE REFRIGERATION ALWAYS CLOSE TO OUR CUSTOMERS





\*The United Arab Emirates market is handled by ADEAREST

# NATURAL REFRIGERANTS

The Earth is getting hotter and hotter. By 2050, we will need 3.5 times as much refrigeration as we do now. The way we handle cooling will therefore become increasingly more important.

We already know that refrigerants like CFCs and HFCs are contributing to ozone depletion and global warming, so it is our shared responsibility to replace them. The only future-proof solution is a change to using natural refrigerants instead.

The use of refrigerants like ammonia, carbon dioxide and hydrocarbons, is sustainable in two important ways: first, they make no or only a small contribution to global warming: second, they are a secure investment, because they are inexpensive compared to synthetic refrigerants and have long-term availability, resulting in operational efficiencies. In addition, natural options offer energy-efficient solutions that contribute directly to climate protection.

Ammonia (R717) is a particularly climate-friendly and efficient refrigerant with an ozone depletion (ODP) and a global warming potential (GWP) of zero.

GRADE offers natural refrigerants to engineer for a better world, for today and tomorrow.

**It's time to change.**



# A WORLD OF GRADE APPLICATIONS

 Our temperature range (°C)





# A WORLD OF GRADE APPLICATIONS



Our vast experience in the refrigeration and heating industries, as well as our drive for continuous improvement, have enabled us to provide comprehensive solutions for a wide temperature range between -60°C to +95°C for freezing, cooling, air-conditioning and heating applications.





# EQUIPMENT OVERVIEW

A brief overview of our range of screw compressors, reciprocating compressors, compressor packages, chillers, heat pumps, control systems and valves.

It's a wide range of equipment for applications wherever cooling or heating is required, especially if you need both together. All equipment has one thing in common: GEA engineering. It's engineering that has been honed over many years, focusing on combined knowledge and know-how into making equipment better and your life easier. With continual innovation, of ten spanning decades, we bring you the performance, reliability, economy and environmental sustainability that you need now, with the confidence that you can rely on GEA technology for many years into the future.



## INNOVATIVE SOLUTIONS



GEA Screw Compressors



GEA Reciprocating Compressors



GEA Chillers



GEA Heat Pumps



GEA Compressor Packages



GEA Omni Control Panels

## INNOVATIVE SOLUTIONS



GEA Ammonia Dryer



GEA Valves & Components



GEA CompaX



FES Packages



Pressure Vessels



Electrical Panels



# GRADE SERVICE – FOR CONTINUED SUCCESS

## Improve the life cycle cost of your plant and equipment

We work alongside our customers in close partnership, supporting throughout the full cycle of their plant and equipment to ensure lasting business success.

### Beginning of Life Services

Seamless support for instant productivity and performance



### Getting you started

Right from the installation, our GRADE service teams will work with you to get the best out of your plant and its equipment.

We start as we mean to go on, a supportive and committed partner for life. We plan and build around individual needs, sharing process knowledge, training staff and supporting operators to get you up and running and assure a smooth, seamless on-going service for optimum performance and safety.



### Lifetime Services

The cost-efficient way of ensuring the safety and reliability



### Keeping it running

Regular maintenance is not a cost, its an investment. By implementing corrective and preventive maintenance techniques, we ensure high performance, availability and quality as well as maximum life cycle time of your equipment and plant.

To ensure our customers benefit from continuous production for minimal downtime, we provide fast support, efficient maintenance and top quality spare parts whenever needed.





## Extended Life Services

Sharing our knowledge to safeguard your investment



## Constantly improving

At GRADE, we will work with you to keep your equipment up to date and meeting your needs today as well as tomorrow.

We safeguard our customers investment by constantly looking ahead through modernizing or upgrading of equipment and optimizing of processes to meet changing needs and new market demands. We are always working to increase production efficiency and ensure peak performance.



## Consulting and Enhanced Operations

Enduring commitment to you and your business

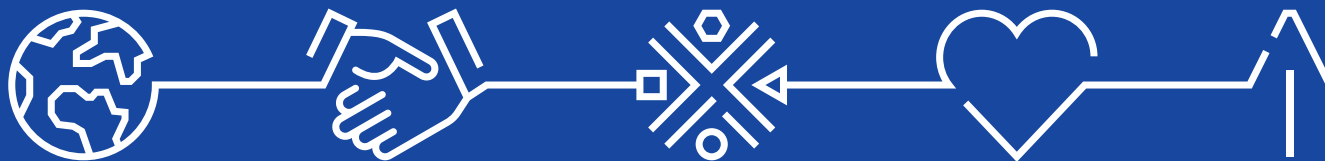


## Together with you

By integrating the latest automation and control solutions, we boost your output and efficiency, minimize resource use and the need for manual intervention.

Commitment to our customers and their business means investing in their objectives, their risk and their future success. We work in ever closer collaboration, providing on going systems audits and on-site support, in order to generate improved performance through innovative new service models.





### Responsibility

We care for  
people and planet.

### Integrity

We walk  
our talk.

### Diversity

We value  
our differences.

### Passion

We love  
what we do.

### Excellence

We deliver  
outstanding work.

#### HEAD OFFICE - UNITED ARAB EMIRATES

##### GRADE Refrigeration LLC

P.O. Box 69619, Industrial Area 15,  
Al Nakheel St.  
Sharjah United Arab Emirates  
Tel : +971 6 5343808

[sales@grasso-adearest.com](mailto:sales@grasso-adearest.com)

[service@grasso-adearest.com](mailto:service@grasso-adearest.com)

#### EGYPT GRADE Refrigeration Egypt LLC

P.O. Box 3007, Block 20014  
First Industrial Zone,  
El Obour City,  
Cairo, Egypt  
Tel: +202 4 4893565

#### JORDAN GRADE Refrigeration LLC

P.O. Box 3388, Amman 11953  
Al Bakri Commercial Complex,  
Bldg No. 111, Office No. 506,  
Wasfi Attal St., Amman, Jordan  
Tel: +962 6 554 2797

KUWAIT  
GRADE Kuwait Est.  
For Air Conditioning & Refrigeration  
Equipment and Contracting  
P.O. Box 1176 Hawally 32012  
Al Muthanna Street, Al Badri Complex,  
Floor No. 4, Office No. 10,  
Hawally, Kuwait  
Tel: + 965 2266 3027

#### MOROCCO GRADE Refrigeration Maghreb SAS

Green Works, Immeuble C,  
Bureau C42-6ieme etage,  
Bouskoura-Casablanca,  
Morocco  
Tel: +21 266 287 3080

#### PAKISTAN GRADE Refrigeration Pakistan Pvt. Ltd

P.O. Box 54810 3rd Floor,  
Plaza #19, Sector - A  
Phase - 6C, DHA,  
Lahore, Pakistan  
Tel: +92 423 7180014

#### SAUDI ARABIA GRADE Refrigeration and Contracting Est.

P.O.Box 5426 Riyadh 11422,  
King Abdul Aziz District, Salah Al Deen.  
Al-Aubi St. opposite to Riyadh Air Base,  
Riyadh, Saudi Arabia  
Tel : +966 11 4721017