



# GRADE Refrigeration

Your partner for Industrial Refrigeration  
in the region



[grasso-adearest.com](http://grasso-adearest.com)





# Welcome to GEA GRADE Refrigeration LLC

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 refrigeration components and systems for our customers for whom Industrial Refrigeration is an essential part of their daily business.

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

With strong existence in MENA market, GEA GRADE has established great working relationships and partnerships with an expanding client base. We have now a portfolio of over 500 contracted clients across the MENA region within a variety of different sectors. With an experienced technical team who are highly accredited and always willing to go that extra mile for a first class customer service in industrial refrigeration.

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

Our experts provide tailor-made solutions to cooling and control challenges in the following market sectors:-

- Multipurpose & CA Cold Stores
- Pre- Cooling and Freezing Systems
- Beverage Industry
- Slaughter Houses (Meat and poultry)
- Dairy and Ice Cream Factories
- Block & flake Ice Plants
- Ice Rinks & Snow Domes
- Concrete Cooling
- Chemical and Pharmaceutical factories

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

# GRADE Always close to our customer

List of territories for GRADE			
OUR TERRITORIES	HANDLING OFFICE	OUR TERRITORIES	HANDLING OFFICE
United Arab Emirates	Adearest	Egypt	Egypt
Oman	UAE	Sudan	Egypt
Yemen	UAE	South Sudan	Egypt
Palestine	UAE	Djibouti	Egypt
		Eritrea	Egypt
OUR TERRITORIES	HANDLING OFFICE	Libya	Egypt
Kuwait	Kuwait	OUR TERRITORIES	HANDLING OFFICE
Qatar	Kuwait	Jordan	Jordan
OUR TERRITORIES	HANDLING OFFICE	Lebanon	Jordan
Pakistan	Pakistan	Syria	Jordan
Afghanistan	Pakistan	OUR TERRITORIES	HANDLING OFFICE
Iraq	Pakistan	Saudi Arabia	Saudi Arabia
OUR TERRITORIES	HANDLING OFFICE	Bahrain	Saudi Arabia
Morocco	Maghreb		
Algeria	Maghreb		
Tunisia	Maghreb		





## GRADE to offer

### Solution

Custom made solutions are offered to each client. After initial meetings to establish a clear terms of reference, our sales engineers together with support from our engineering office translate the requirements into affordable solutions.

### EPC Projects

We offer our clients Engineering, Procurement & Construction (EPC) service to realize their requirements. We design the installations, procure the necessary materials and build the project using mostly our in house trained installation teams. Our EPC project service results in a reduced stress for the owner, offers a single point of contact, simplifies communications, ensures quality and reduces coordination issues. We hold high standards in the refrigeration contracting business and we have successfully managed some of the largest and most intricate industrial refrigeration projects in the MENA region.

### Spare Parts and Components

At GEA GRADE we understand that an efficient spare parts support organization is essential for ensuring customer satisfaction. We hold a large stock of basic fast moving parts for emergency customer support. In addition, planned maintenance parts are shipped from our stores in Europe direct to our clients at short notice.

GEA refrigeration manufactures an extensive range of industrial refrigeration equipment and components. Grade engineers will be pleased to discuss your component needs and provide assistance in design and selection. Our product range includes:-

GEA RECIPROCATING COMPRESSOR  
GEA PACKAGE RECIPROCATING COMPRESSOR  
GEA SCREW COMPRESSOR  
GEA PACKAGE SCREW COMPRESSOR

GEA CHILLER  
GEA OMNI CONTROL  
GEA VALVES  
GEA AMMONIA DRYER  
GEA PURGER

Environmental protection is a key design aspect of every system and we pay special attention to the use of natural refrigerants such as Ammonia and CO2 to have the best energy efficiency and negligible or no Global Warming Potential (GWP). The use of variable speed drives and an optimized and intelligent control system results in an optimal configuration of the refrigeration plant, reduces the running costs and benefits the environment. We naturally comply with the most stringent environmental requirements.

# Customized solutions for demanding needs



## Dairy and Ice Cream

We are experts in cooling milk and every type of milk based products. From the milk farm to the processed milk end products, such as yoghurt, cheese, Laban. Special requirements for ice cream production are part of our solution and expertise.



## Meat and poultry

From slaughtering to chilled, frozen or processed end product we have the know-how for the refrigeration solution for red and white meat. We provide the necessary expertise for slaughterhouses and processing facilities.



## Food

We design and provide expertise for refrigeration needs for the food processing industry. Bakeries, French fries, Pizza's, snacks, Frozen vegetables and Convenience food.



## Block ice and ice plant

We build refrigeration plants for block ice and flake ice production to provide the basic need of preserving any type of food and drinks.



## Beverages

For processing and bottling purposes we provide technological refrigeration solutions for the beverage industry.



## Leisure and sports

Ice skating in summer or skiing in the desert made possible only thanks to GEA GRADE Refrigeration.



## Coldstores fresh & frozen products

Precooling and storage for all types of fruit and vegetables with controlled atmosphere, distribution centers and multipurpose cold stores inclusive chilled and frozen production facilities for any type of product.

# Innovative solutions



Screw Compressor



Screw Package Compressor



Piston Package Compressor



BluAstrum



Ammonia Dryer



Omni Control

## Heat pumps and heat recovery

Creating heat from cold.

Heat recovery is amongst the most environmentally friendly technologies in the field of refrigeration. Heat can be recovered direct from the oil coolers and from the superheat. Refrigeration plants have lots of waste heat with a temperature level lower than the required. It may then be an interesting option to upgrade the temperature level using heat pumps. The efficiency of the system will depend on the required temperature levels, power and hours of operation. Applications can be for drying, washing, heating of process water or pasteurization.

## Air cooled solutions for NH3

In cases where water is not available or the water consumption in combination with a water treatment is costly, we can offer you air cooled solutions for your industrial refrigeration plant with the use of natural refrigerants.

## BluAstrum chiller for dry stores

One application to use our energy efficient NH3 chillers is for cooling of your dry store, warehouse or workshop or to produce cold water for the AC of the offices.



# Infinite Possibilities

Our refrigeration specialists are the same time experts in their process. This has led to success in designing application -optimized refrigeration system and in maximizing the benefits they offer.



# Engineering for a better world

At GEA, sustainability and value creation are inextricably intertwined. By offering more and more efficient products and process solutions, we ensure sustainable management and the protection of the natural environment.



## Excellence

We focus on sustainable growth and operational efficiency. Our innovative strength is the basis for responsible value creation and the key to our success.



## Passion

As an attractive employer, we are committed to a fulfilling working life. This is why we want to motivate our employees by providing them with sound training and further education and by making it easier to combine work and family life.



## Integrity

We are committed to the principles of social responsibility and demand fair, ethical and legally compliant conduct from ourselves as well as our suppliers and partners.



## Responsibility

We are responsible for the impact of our business decisions on the value chain. We protect our employees, customers and their end customers through our high standards of quality, occupational safety, health and environmental protection.



## GEA-versity

For GEA, diversity is a success factor and innovation driver. This is why we promote our talents irrespective of origin, borders, culture or gender. As a technology group, we are working to attract young women, who are currently underrepresented.

# GEA 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

### Getting you started

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 employees and supporting operators get our customers up and running and ensure a smooth seamless on-going service.



### Keeping it running

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



### Constantly improving

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



### Together with you

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 through innovative new service models in order to generate improved performance.





# Spare Parts



## »»»» SERVICE FOR UTILITIES

- »» Installation
- »» Commissioning
- »» Training
- »» Spare parts
- »» Corrective Maintenance
- »» Preventive Maintenance
- »» Upgrades / Modernization / Optimization
- »» Predictive Maintenance
- »» Factory Rebuilt
- »» Performance Contracts
- »» On-Site Project Support
- »» Service Software Products

## We live our values.

Excellence · Passion · Integrity · Responsibility · GEA-versity

GEA is a global technology company with multi-billion euro sales operations in more than 50 countries. Founded in 1881 the company is one of the largest providers of innovative equipment and process technology. GEA is listed in the STOXX® Europe 600 index. In addition, the company is included in selected MSCI Global Sustainability Indexes.

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