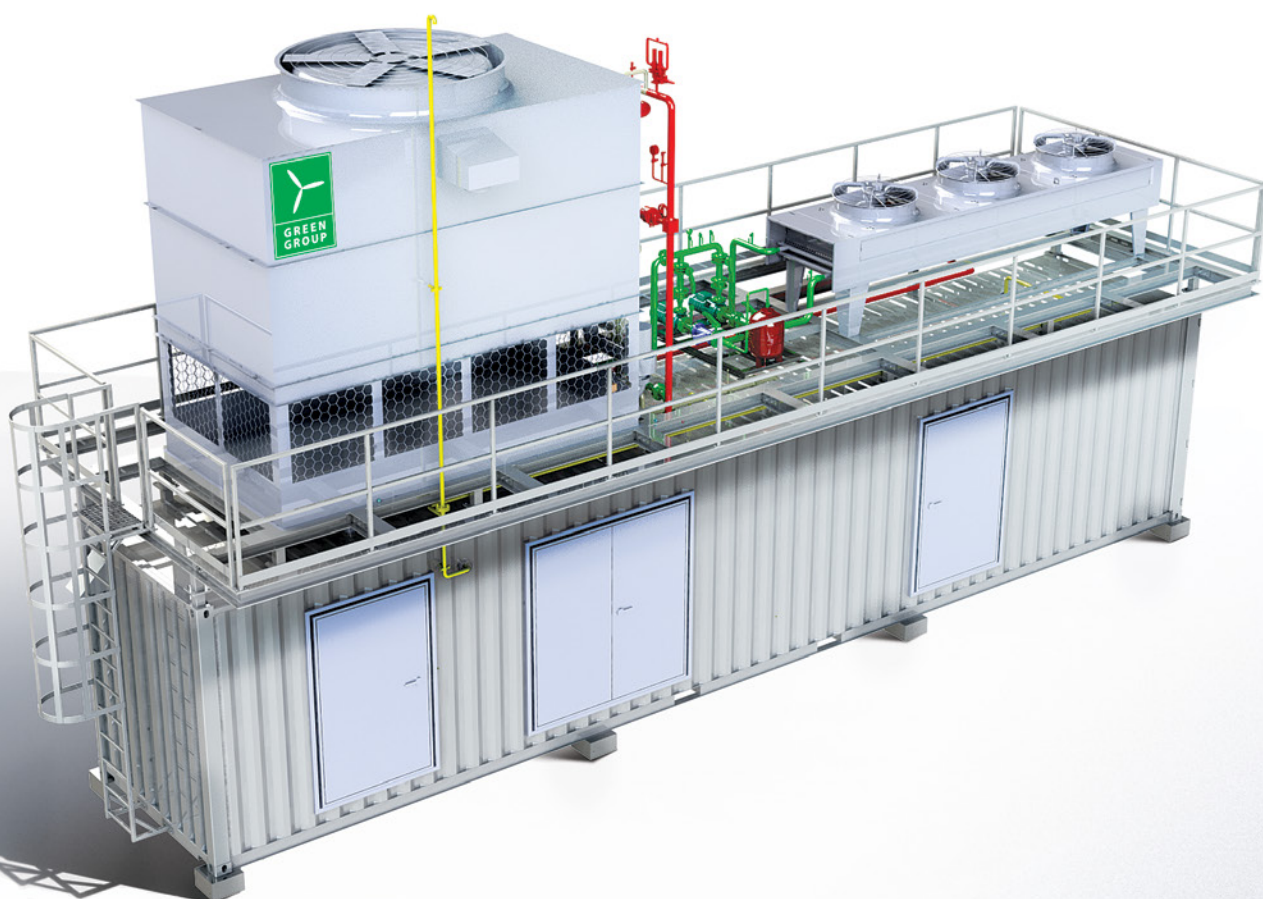


GGMC

Green Group
Machinery Compact



About GGMC

GGMC is mobile machinery developed and manufactured by Green group, experts in industrial refrigeration since 2006. Talking with clients we noticed, that not all of them have possibility to build new compressor rooms. We suggest this solution, which is not requiring a lot preparation from client and can be easy integrated to any systems.

All equipment is built in sections mounted inside of 45 ft shipping container and on the special platform, top of the container. According logistic issue platform with equipment can be dismantled and easily assembled again at the customer place.

Advantages

- Simple installation
- Saving footprint
- Reinforced frame
- Liquid resistance floor
- Ventilation system
- Inside temperature control
- Leakage sensor and other safety systems
- Water treatment system
- Fully insulated pipes and components
- PED 2014/68/eu and CE approval
- Remote service support 24/7

Options

- Heat recovery
- Heat Pump
- CO_2/NH_3 cascade solution
- Low charge ammonia volume
- Tropic version



EVAPCO OR BAC CONDENSER

Designed for industrial refrigeration, evaporative condensers lower system condensing temperatures thereby reducing compressor horsepower, saving up to 15% energy compared to traditional air-cooled systems.



SIEMENS FREQUENCY CONVERTER

Leading manufacturing electric drive technology perfectly regulating refrigeration el. motors in refrigeration application.



SIEMENS CONTROL

Simatic S7-1500 CPU controller with High resolution 12" touch screen control panel HMI. Remote monitoring. Safe and secure.



DRY COOLER EC

EC motors provide better performance than AC motors, and use less electricity. They are also generally much more compact and speed can be easily controlled using the commutation electronics, for example via pulse width modulation.

LOW PRESSURE VESSEL

Pressure vessels are available for almost all refrigeration applications. Our technology guarantees reliable refrigerant separation with maximum operating refrigerant volume 5 m³ per one unit.

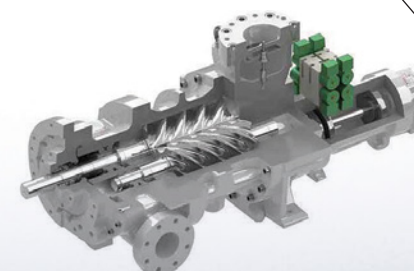


DANFOSS ICF STATION

- Lower Operating Refrigerant Charge
- Low Power Consumption
- Lower Operating Weight
- Small Plan Area
- ICAD precision dosing.

EFFECTIVE VENTILATION

Each GGMC comes with a complete ventilation system, including exhaust air ducts and ventilation fans.



MYCOM/MAYEKAWA SCREW COMPRESSOR

Innovative new motor profile and automatic Vi regulation ensuring energy efficiency with high COP (coefficient of performance) at various loads.

GGMC modifications

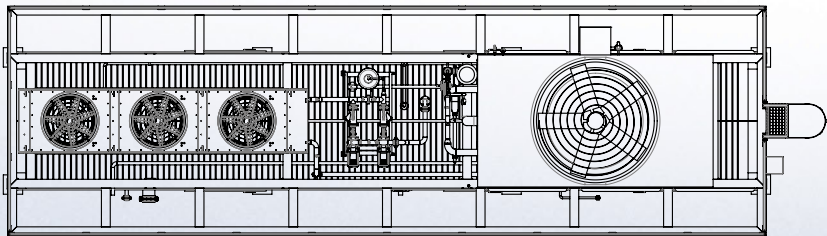
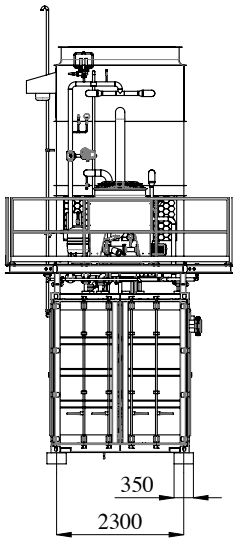
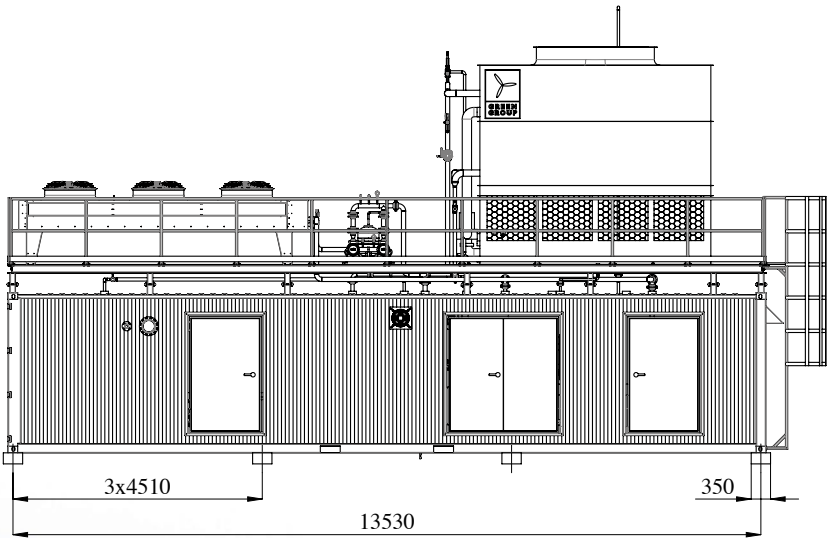
Model (ammonia)	FREEZING	COOLING	CHILLING
	Max kw at -40°C	Max kw at -10°C	Max kw at +2°C
GGMC 120	117	452	691
GGMC 160	153	580	881
GGMC 200	197	750	1146
GGMC 300	282	1028	1194
GGMC 400	370	1335	1537
GGMC 500	485	1735	2596

GGMC dimensions and weight

45ft HC (High Cube) container dimensions: L=13716; W=2438; H=2896.
Overall characteristics shown in next table*

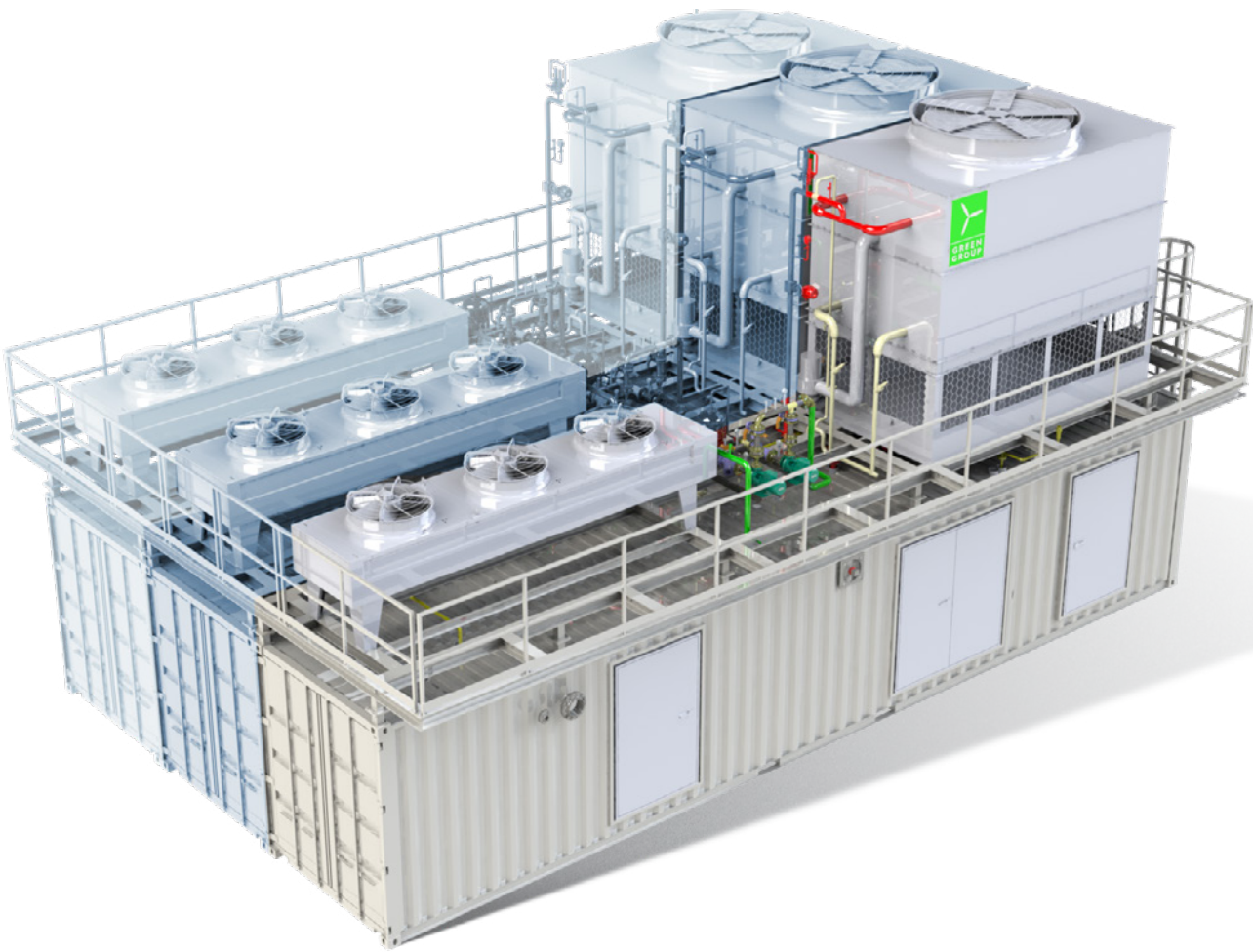
Measurement	Dimension, mm	Weight, t
Length	14802	
Width	4130 (2065×2)	Up to 25 (18+7)
Height	6374 (3187×2)	

* All dimensions can be specified according individual customer requirements.



Modular design

Modular design keeps your options open and gives flexibility to expand operation by adding extra modules to the existing one.



5 things for Installation

Everything we need – few conditions for installation:



8 poles
foundation



Water inlet



Drainage



Electricity



Internet –
Profinet cable

About Company

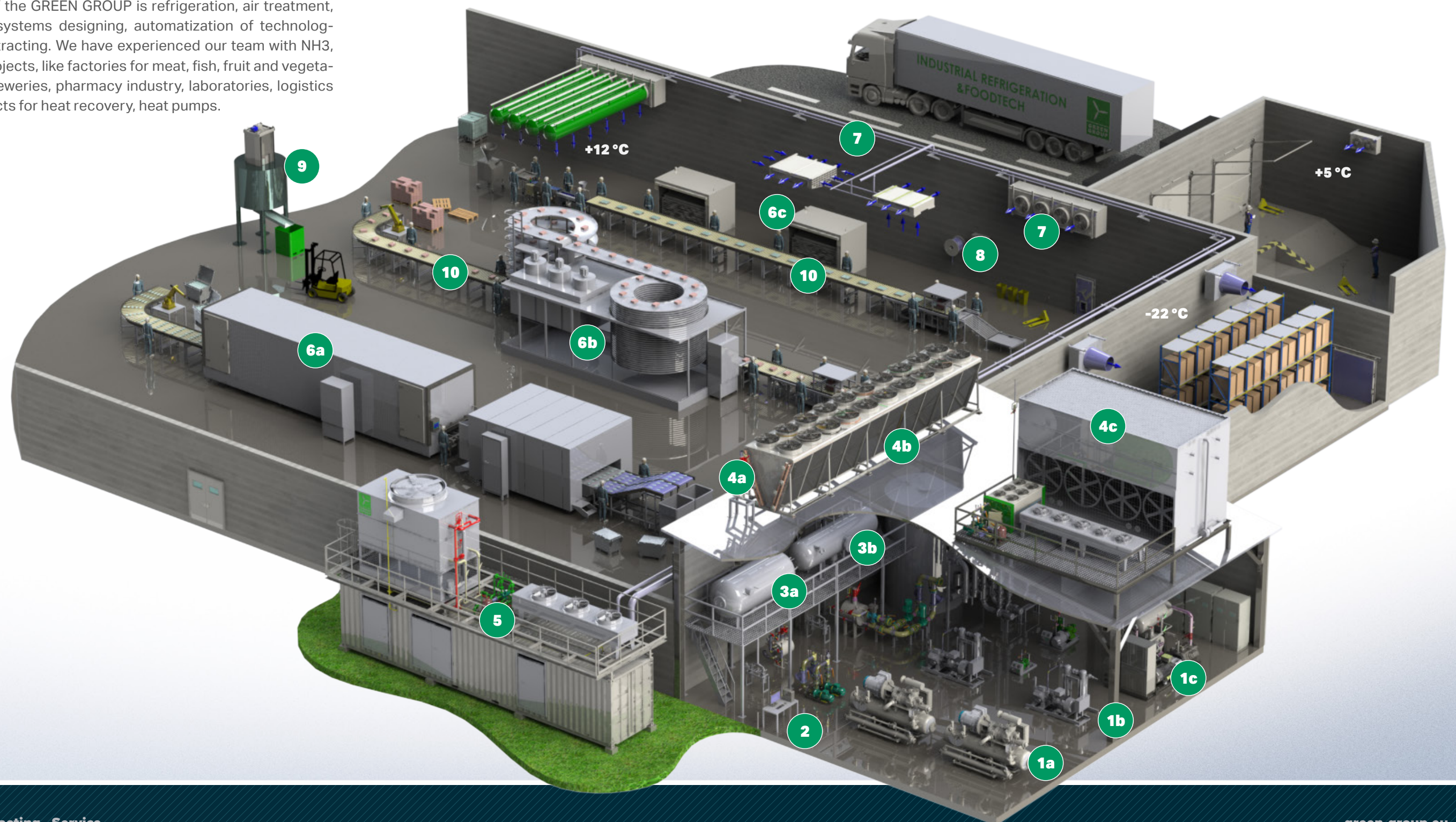
Joint stock company GREEN GROUP was founded in 2006 and it attracted people with a big experience in engineering and servicing of industrial refrigeration systems. The philosophy of the company based on harmony of environment with a new ecological technologies and our task to reach, that the words ENVIRONMENT, ECOLOGY and the GREEN GROUP should be related.

The main activity of the GREEN GROUP is refrigeration, air treatment, renewable energy systems designing, automatization of technologic process and contracting. We have experienced our team with NH₃, CO₂ in industrial projects, like factories for meat, fish, fruit and vegetables processing, breweries, pharmacy industry, laboratories, logistics terminals, the projects for heat recovery, heat pumps.

Equipment

- 1 **Machinery:** a) NH₃ screw compressor, b) CO₂ reciprocating compressor, c) NH₃ heat pump
- 2 **Monitoring**
- 3 **Low pressure vessels:** a) CO₂, b) NH₃
- 4 **Condensers:** a) Heat recovery (desuperheating), b) Dry, c) Adiabatic

- 5 **Mobile Machinery**
- 6 **Freezers/Chillers:** a) Tunnel/IQF, b) Spiral, c) Plate
- 7 **Coolers/Evaporators**
- 8 **Washing solutions**
- 9 **Ice machine with a storage**
- 10 **Conveyors**



Contact us



Green Group AS



+47 930 94 603
+47 941 55 327



info@green-group.eu



Brusdalsvegen 222
6011 Ålesund
Norway

Engvikvegen 438
9140 Rebbenes
Troms og Finnmark

Green Group UAB



+370 607 09 881
+370 698 81 718



info@green-group.eu



Kalvarijų g. 272A
8339 Vilnius
Lithuania

Telšių g. 115D
90165 Plungė
Lithuania

