



# Company Presentation Marine Sector



[www.psychotherm.gr](http://www.psychotherm.gr)

## Leading, since 1969, in marine refrigeration systems, air conditioning and coils manufacturing.

We specialize in design, manufacturing & installation of refrigeration and air conditioning units for marine applications.

- Family owned company, established in 1969
- Vast experience in marine market.
- Based in Piraeus, 2.000 m2 facilities, 30 people personnel.
- In house R&D dept., part of 10 Mio European programs.
- Co-operation with Universities & Science Institutes.
- 3 Seals of excellence for ORC & HTHP
- ISO: 9001 ,ISO:14001 & ISO 45001



Innovation is part of our DNA and what drives us towards excellence. Psycrotherm constantly invest in innovation by participating in cutting edge research programs

We are proud members of HEMEXPO and WIMA associations



RES4LIVE



MAFCS

SEALS OF EXCELLENCE

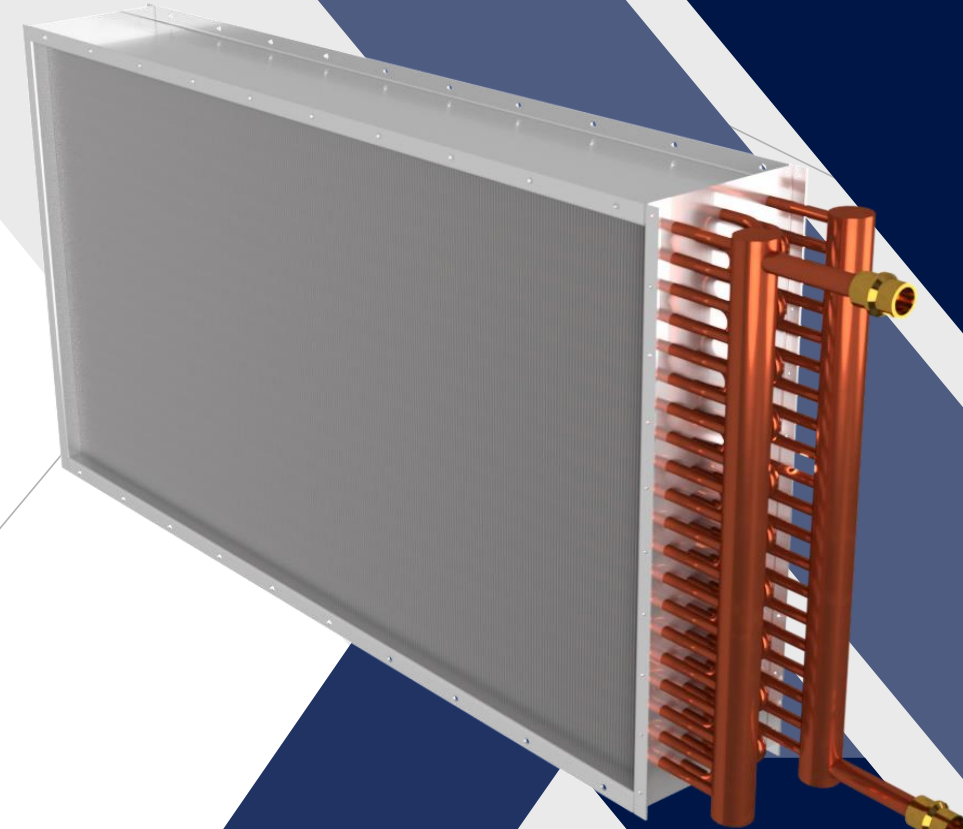


## Portfolio :

- Custom coils (Alu-Cu coated, Cu-Cu)
- Chillers
- A/C Deck Units
- Air Handling Units
- Packaged A/C Units
- Air Cooled Split Units
- Fan Coils
- Spot coolers
- Air coolers
- Provision Plants
- Refrigerated Compressed Air Dryers
- Dehumidifiers
- Electric Heaters
- Spare parts

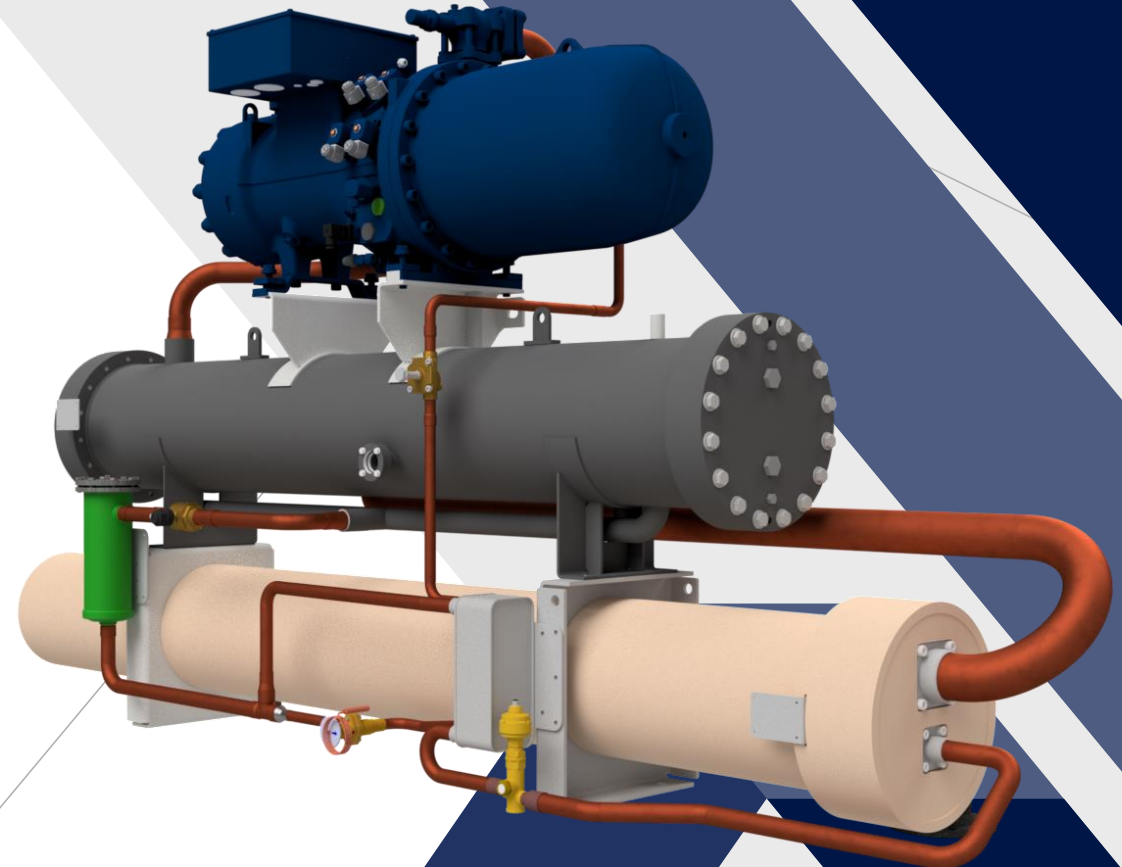
## Custom Made Coils

- Exact replacement for A.H.U. coils, DX Evaporators  
Provision plant fancoils, condensers, A/C.
- Fast lead times.
- 3 tube sizes available : 1/2 “, 3/8 “, 5/8” .
- Heavy duty material is used,  
thickness of **fins 0,25 mm thickness of tubes 0,5 mm.**
- Epoxy coating option.
- Execution of carbon steel, stainless steel or  
galvanized steel coils possible.



# Chillers

- Customized chillers.
- Fast lead times.
- Air cooled / Water cooled design.
- Casing from stainless steel.
- Wide range of operation design temperatures.
- AC or EC Motors. Frequency : 50 / 60 Hz.



## A/C Deck Units

- Custom dimensions upon request.
- Stainless steel evaporator chamber.
- Insulation with B-15 class incombustible materials.
- Semi hermetic screw compressor for 50%-100% capacity control.
- Reserve compressor in case of failure of one.
- AC or EC Motors. Frequency : 50 / 60 Hz.





## Air Handling Units

- Custom dimensions upon request.
- Fast lead times.
- Constructed from hot-dip galvanized steel or stainless steel sections.
- Fireproof marine mineral wool insulation.
- Cooling and fan capacity upon request.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.



## Local Packaged A/C

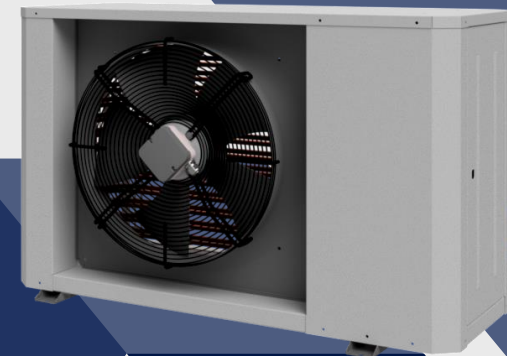
- Marine Package Unit (Sea, fresh or chilled water cooled).
- Fast lead times.
- Galvanized steel casing (incl. electrostatic coating).
- Heavy duty coil.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.





## Air cooled Split Units

- Split A/C Units.
- Compact dimensions.
- Fast lead times.
- The outdoor casing is from stainless steel 316L and the indoor is from galvanized steel coated with electrostatic painting.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.



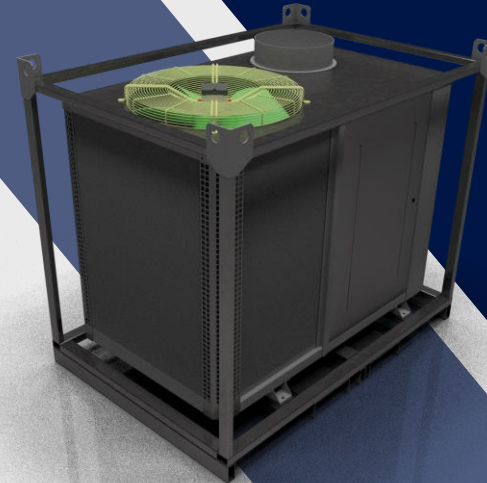
## Fan coils

- Custom dimensions upon request.
- Fast lead times.
- Floor standing and Ceiling Fan Coils.
- Easy access maintenance.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.



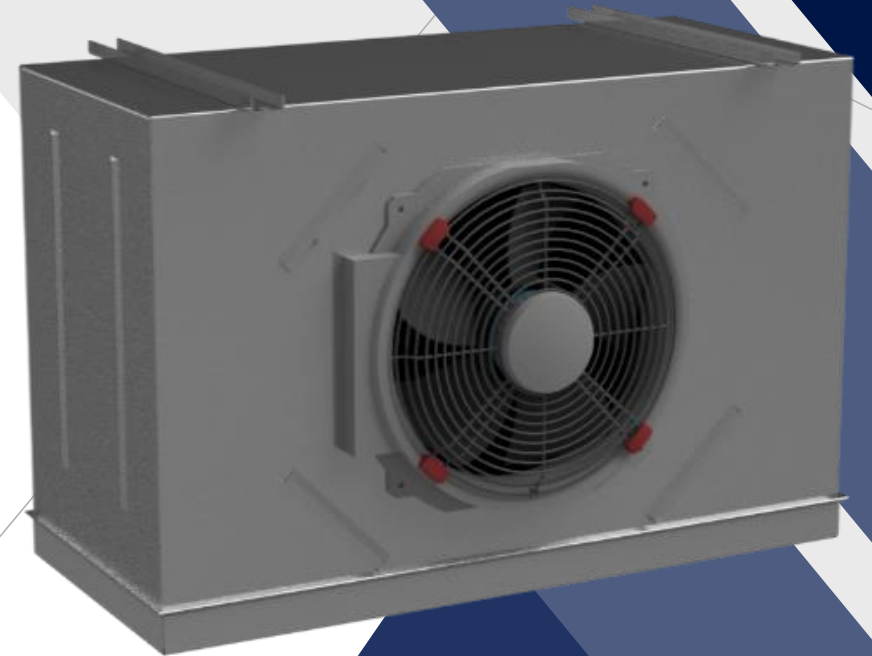
## Spot Coolers

- Portable design with compact dimensions.
- Reduced power consumption due to its energy saving design.
- High temperature operation thanks to its tropical condenser.
- Easy operation and easy access maintenance.
- Available with : free air flow or customized connections.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.



## Air coolers

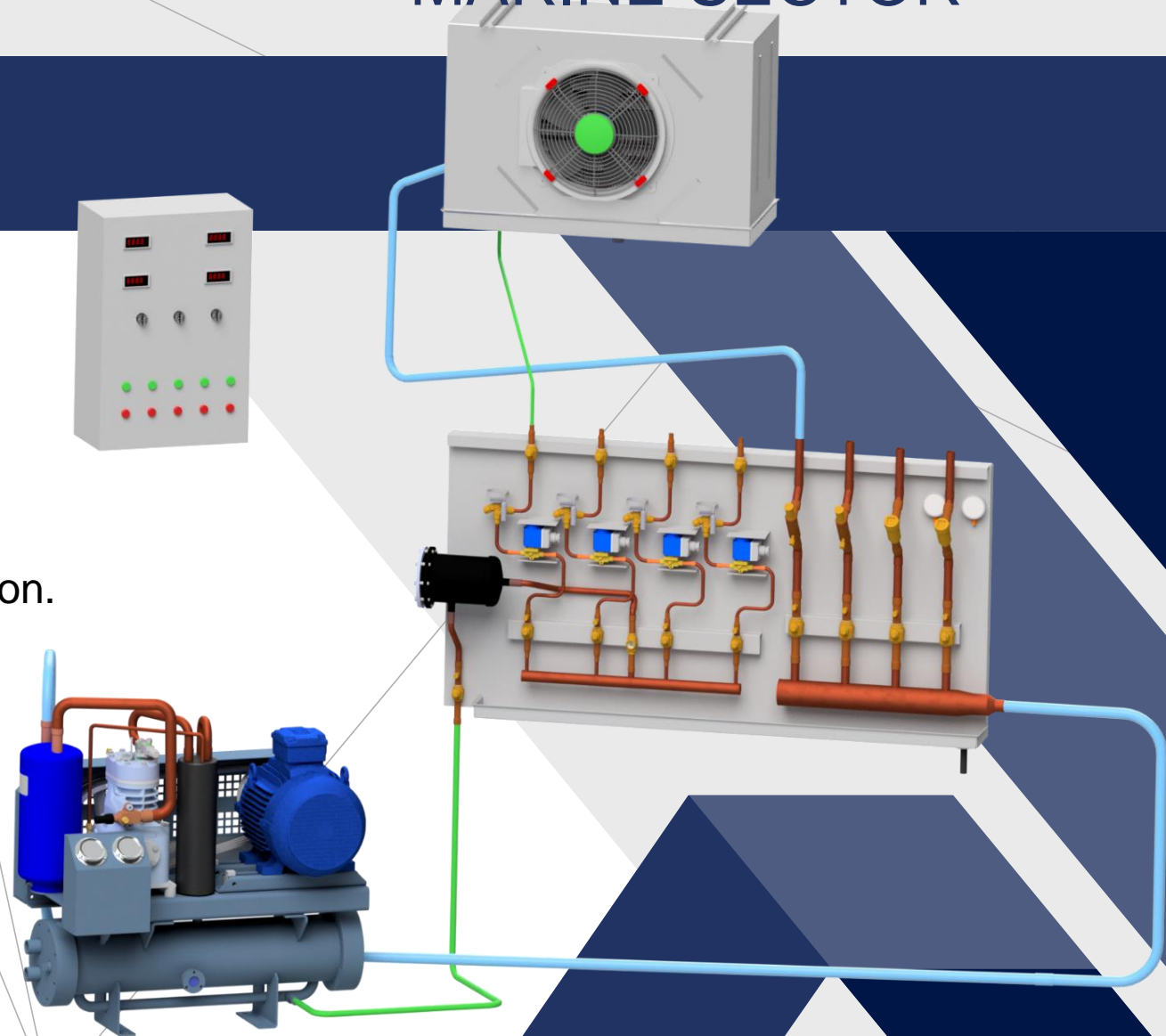
- Custom dimensions upon request.
- Fast lead times.
- Cold room Doors.
- Optional anti – corrosion coating.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.



## Provision Plants

We can either offer you complete provision plant equipment or separately :

- Marine Type condensing units.
- Air coolers for fresh or frozen products preservation.
- Expansion valve panel for 3-4 rooms.
- Electric Control Panel.
- Fancoils.



# Refrigerated Compressed Air Dryers

- Moisture Protection to the Pneumatic Equipment.
- Compact Dimensions and Floor Mounting for full portability.
- High Temperature Operation thanks to its Tropical Condenser.
- 100 m<sup>3</sup>/hr - 300 m<sup>3</sup>/hr.
- Easy Access Maintenance.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.





## Dehumidifiers

- Custom dimensions upon request.
- Fast lead times.
- Galvanized steel casing (incl. electrostatic coating).
- Minimum humidity levels.
- Generate fresh and odorless air.
- Low noise plug fans.
- AC or EC Motors. Frequency : 50 / 60 Hz.



## Electric Heaters

- Customized design, to meet installation's demands.
- Step control panel.
- Interlock with compressor for energy savings.
- Options for A.H.U., for A/C Units, for Room Heating.
- Free flow or forced flow.



## Services

### Typical HVAC & Refrigeration services :

- Installation of new central A/C and refrigeration units.
- Major repairs for central A/C and refrigeration units / conversion works.
- Compressors replacement, overhauling, repair.
- Conversions of refrigerants to new Eco-friendly ones (e.g. to R407f).
- Conversions of electrical automation systems.
- System upgrades.
- Re-occurring issues troubleshooting and operation improvement.



## Services

### Service hubs :

- **Greece (HQ):** In house team of experienced technicians ( > 10 years of experience each) plus a pool of experienced partners.
- **China:** Local partner / agent specialized on marine applications, with many years of experience.
- **UAE (Fujairah):** Local partner / agent specialized on marine applications, with many years of experience.





## Spare parts



Fans



Heat exchangers



Compressors



Compressor Spare Parts



Other tools

## Trade

- Compressors: Bitzer, Danfoss, Bock, Sabroe, Daikin, Carrier, Copeland, Grasso, Carel, Sanyo
- Fans
- BPHE (Swep, Kaori)
- Elec. Heaters / Cables
- Filters
- Spare parts for A/C – Refrigeration
- Tools: Vacuum pumps etc.



International trading, distributing and representing famous manufacturers of refrigeration equipment from all over the world.

We're distributors of DORIN®, GEA Grasso and HANBELL compressors in Greece and importers of DAIKIN and Panasonic SANYO scroll compressors



# Indicative Reference Customers



# Thank you

“The best way to predict the future is to create it.”

*Alan Kay, Computer scientist*

