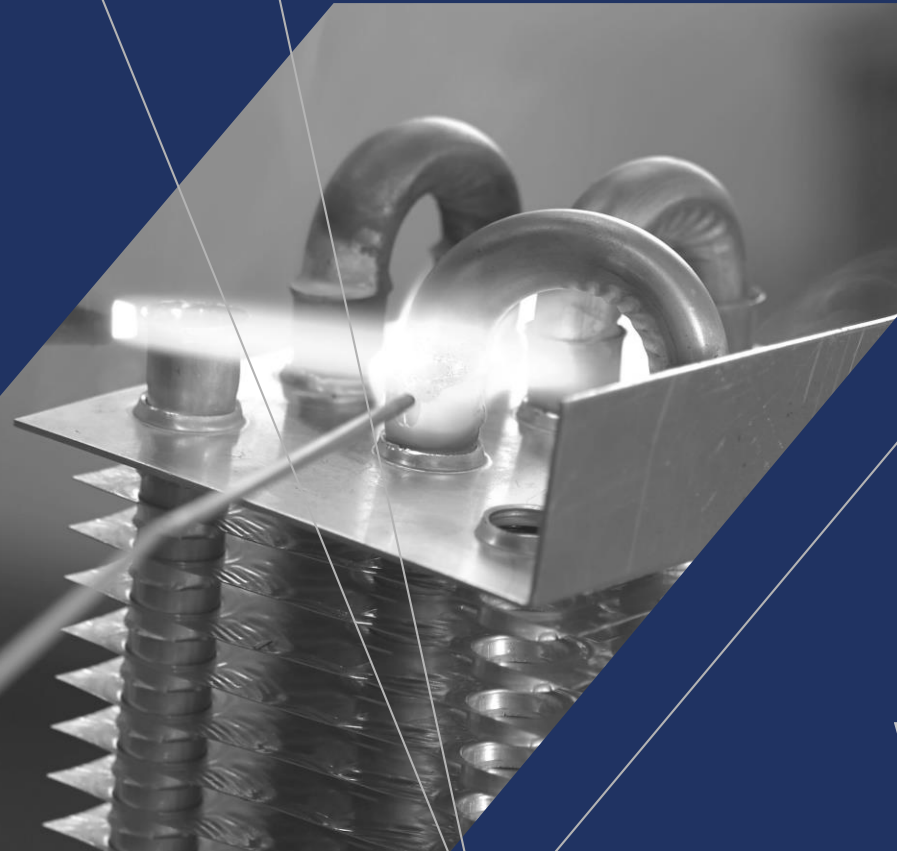




Company Presentation



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. Psycotherm constantly invest in innovation by participating in cutting edge research programs

We are proud members of HEMEXPO and WIMA associations



SEALS OF EXCELLENCE



New R&D products: ORC and HTHP

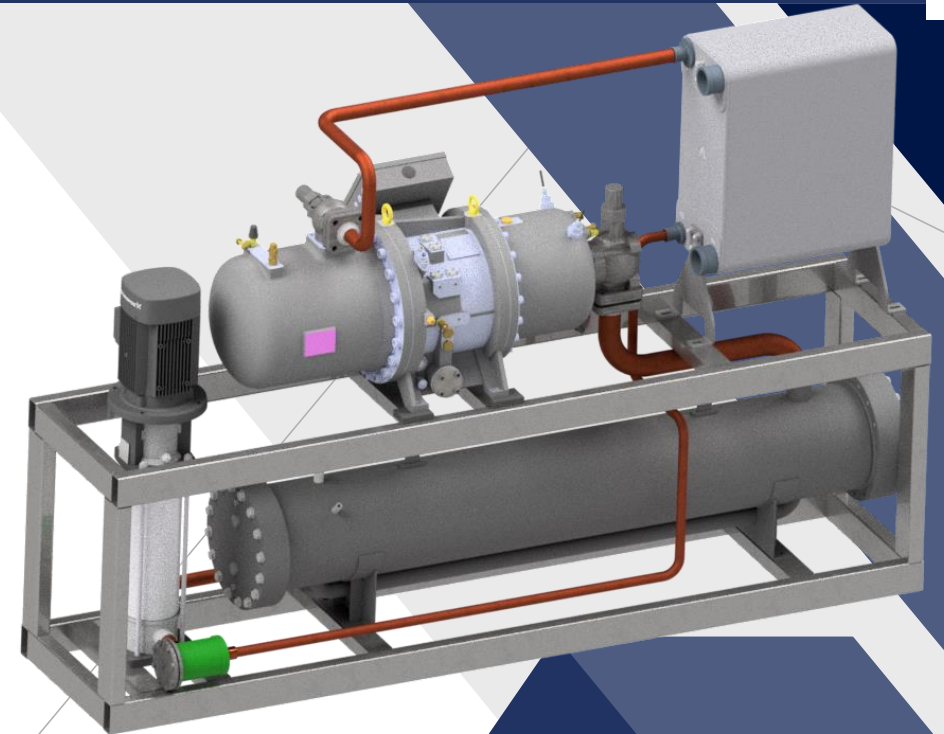
New R&D products for greener shipping:

Organic Rankine Cycle (ORC) units for waste heat recovery from engine cooling circuit.

- Produce electricity from main engine waste heat. The range of power generation is 30-200 kWe

High Temperature Heat Pump (HTHP) for heating (up to 120 C)

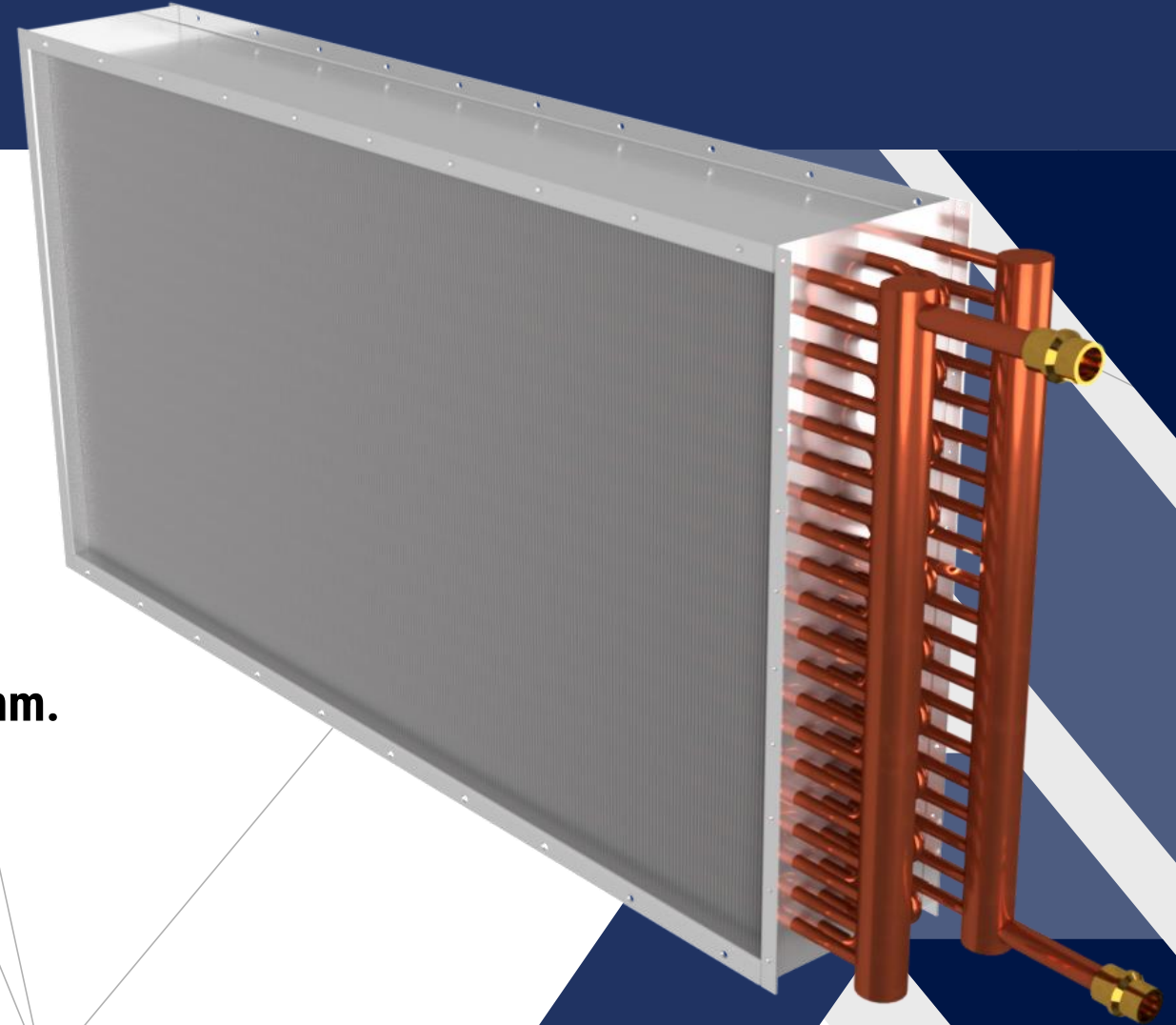
- Operates with high efficiency exploiting waste heat energy.



Custom Made Coils & Heat exchangers

Benefits:

- Exact replacement for A.H.U. coils, DX Evaporators Provision plant fancoils, condensers, A/C .
- Fast delivery.
- 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.
- In house R&D Dept. for improvements proposals



Marine Type A/C Deck Unit

A Central, 2 Compressor A/C Unit that can be built according to your exact vessel needs.

Choose the Marine Type A/C Deck Unit and benefit:

Plug & Play installation & compact size

Stainless Steel Evaporator chamber with B-15 class incombustible materials



Packaged water cooled A/C Unit

An A/C Packaged Type Unit with water (sea or fresh water) as coolant. An ideal solution for areas of the vessel with special cooling needs like Engine Control Room, Workshops or Galley, BWTS rooms, EGCS rooms (e.g. VFDs, panels).

Choose the Packaged Air Condition Unit and benefit:

- Galvanized steel casing, incl. coating.
- Heavy duty coil.
- Radial fans (no V-belt)
- High Quality - all unit's components are made in EU from the most famous brands.
- 36.000 Btu/hr - 150.000 Btu/hr



Split Air Cooled A/C Unit



Using a marine specialized package air condition, you will have increased performance, efficiency and larger lifetime with less maintenance and faults in comparison to residential air conditioning units.

Choose the Air-Cooled Compact Air Conditioner and benefit:

Easy fit to the Bridge with its compact dimensions

1 or 3 phase operation at 50Hz or 60Hz (depending on the power supply)

Internal unit galvanized steel casing, heavy duty coil, radial fan.

Outdoor unit with casing from 316L Stainless Steel, heavy duty coil with epoxy coating..

24.000 Btu/hr - 100.000 Btu/hr

Self Contained A/C Units

Available models



An ideal solution for areas of the vessel with special cooling needs like IT rooms, Battery rooms, electric components, etc.

Choose the Spot Cooler and benefit

Portable Design with Compact Dimensions
for "on the spot" Air Conditioning

Automatic Dehumidification Process with
Hot Gas Reheat Coil & Electronic Controller(Optional)

Reduced Power Consumption due to its Energy Saving Design

High Temperature Operation thanks to its Tropical Condenser

Power Supply 50-60Hz

Low Noise EBM Plug Fans

Easy Access Maintenance

Refrigerated Compressed Air Dryer

The ultimate solution to the problem of high humidity and for reducing moisture content.

Choose the Refrigerated Air Dryer and benefit:

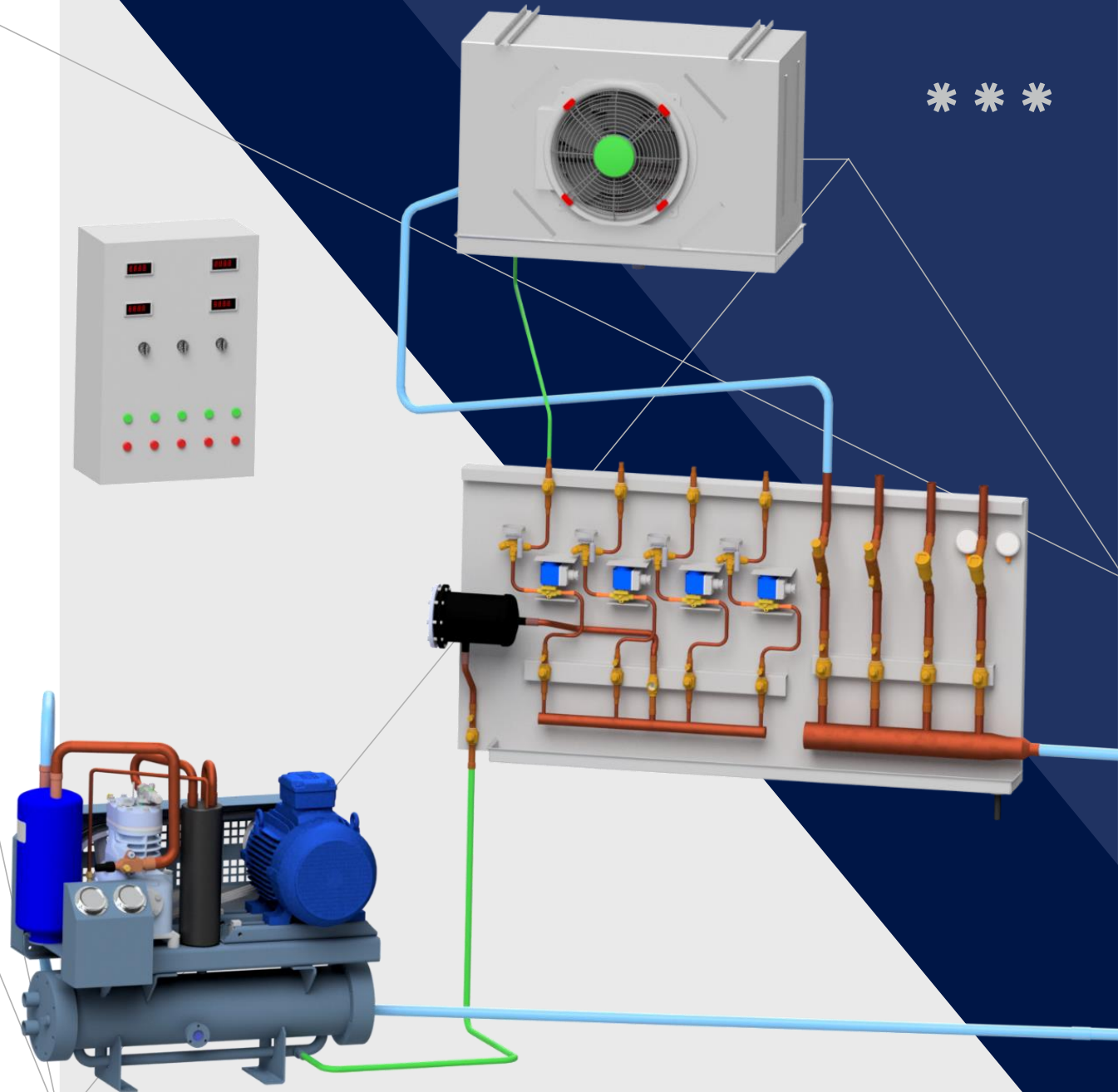
- Moisture Protection to the Pneumatic Equipment
- Compact Dimensions and Floor Mounting for full portability
- Reduced Power Consumption due to its Energy Saving Design
- High Temperature Operation thanks to its Tropical Condenser
- Power Supply 50-60Hz
- Low Noise EBM Plug Fans
- Easy Access Maintenance
- 100 m³/hr - 300 m³/hr



Provision Plant

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

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



YACHT CHILLERS

Choose the Yacht Chillers and benefit:

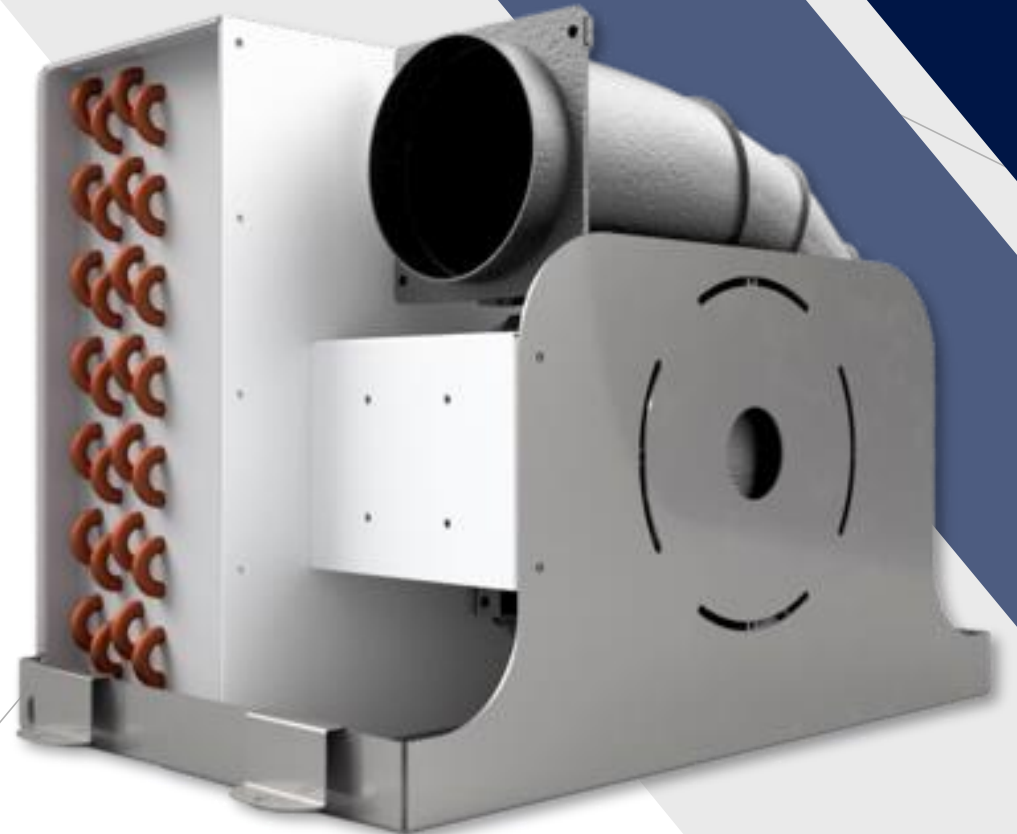
- Compact type chiller unit with coaxial type condenser and evaporator,
- high efficiency scroll compressor,
- casing from stainless steel



Fancoils

Choose the Fan Coils and benefit:

- EC fans for lower power consumption (optional) ,
- coil made with heavy duty copper tube of 0.5 thickness and aluminum fins ,
- easy maintenance ,
- Aluminum casing with epoxy paint



Trade

- Compressors
- Fans
- Elec. Heaters / Cables
- Filters
- Spare parts for A/C - Refrigeration

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





Services

We have vast experience in retrofit, maintenance and repair, leveraging our experience in the field of marine from 1969.

Having permanent, qualified , with long experience and excellent know-how staff, allows us to undertake the complete project from design and analysis to manufacturing and installation, for the new building industry.

Service hubs: Greece, U.A.E., West Africa, China, Singapore.

Freon Modification-Maintenance ◊ Retrofit ◊ Complete Installation Commissioning

Indicative Reference Customers





Thank you

“The best way to predict the future is to create it.”
Alan Kay, Computer scientist

