



PARTS CORPORATION

Explore – Act – Succeed

- Vestas aircoil
  - Products
    - Charge Air Coolers
    - Generator/Electrical Motor Coolers
    - TEWAC Coolers
    - Modular Cooler Units
    - Compressor Coolers
    - EGR Coolers
    - Aftermarket Coolers for all above

Vestas industrial cooling

Vestas aircoil

members of VP industries

PEMI PARTS CORPORATION

# Main locations:

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Lem, Denmark – Smed Hansens Vej



Suzhou, China (10.500m2)



Brasov, Rumania (9.100m2)



Copenhagen, Denmark  
Genua head office

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# Vestas aircoil

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In 1956 Vestas aircoil has developed and produced the first charge air cooler for Burmeister & Wain (today part of MAN Energy Solutions SE).

Today Vestas aircoil is one of the world leading suppliers of charge air coolers for 2 and 4 stroke Diesel and Gas engines.

Coolers for further applications such as generators and compressors as well as welded engine parts complete the program today



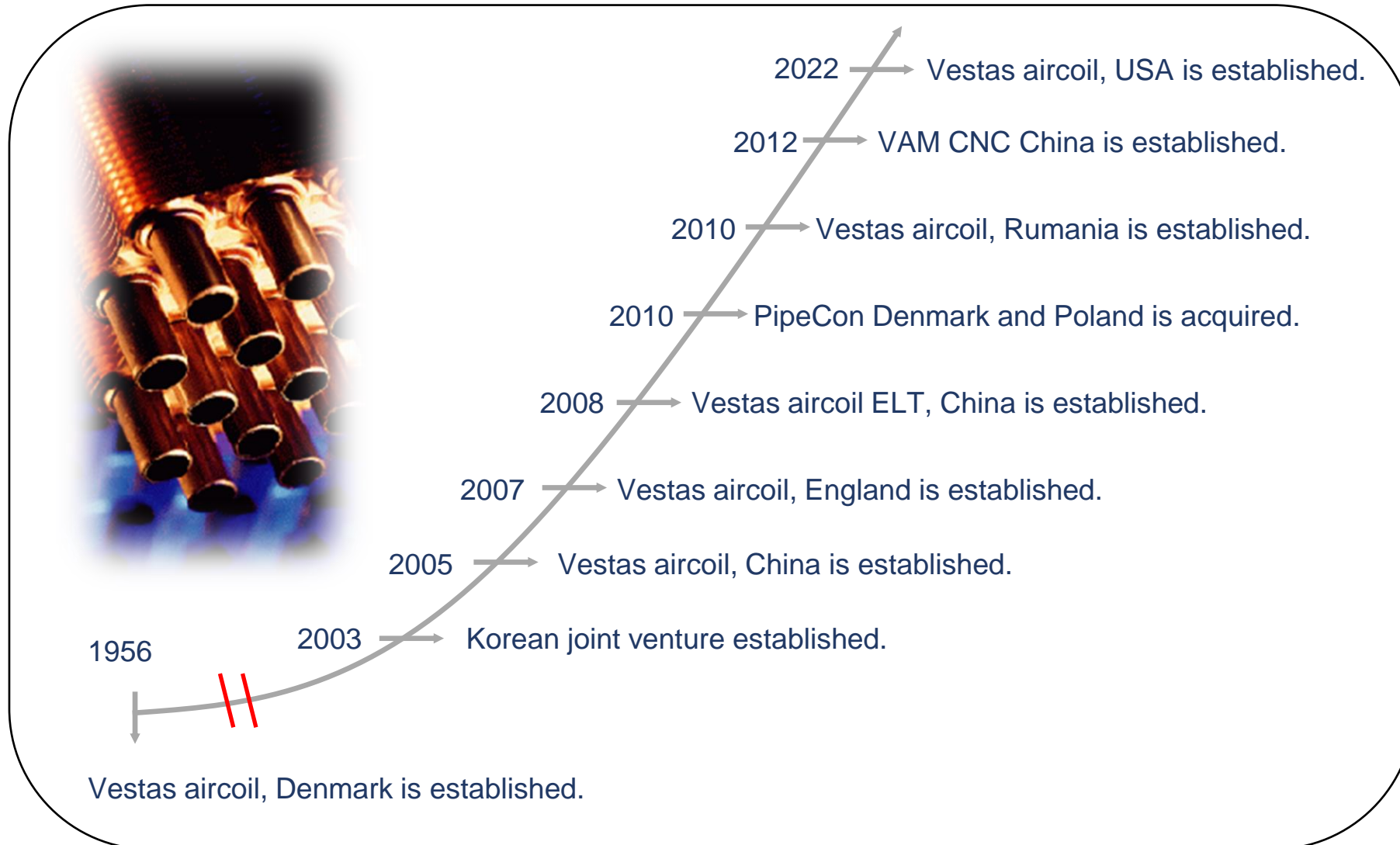
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## The Vestas aircoil company roadmap



## Industry

## Application

## Description

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### Power



power plants

Coolers and radiators for generators in power plants

Power plants hydro

Coolers for generators

Power plants wind

Coolers for generators (>2.5 MW)

Decentral power plants

CAC for decentral power plants, e.g. Gas or Diesel engine, biogas power plants, block heat power plant; also emergency generator sets

Decentral power plants

Oli-Coolers and Radiators  
EGR/Waste Heat Recovery

### Marine



Container ships - 2 stroke

CAC for 2 stroke engines in big container ships,

4 stroke - container, offshore,  
cruise liner, other


CAC for 4 stroke engines for any platform supply vessel, Mega-Yachts, river boat, ferry boat, incl. Military

2-stroke EGR (low temp)

EGR for 2 stroke engines in big container ships

Gear-Box

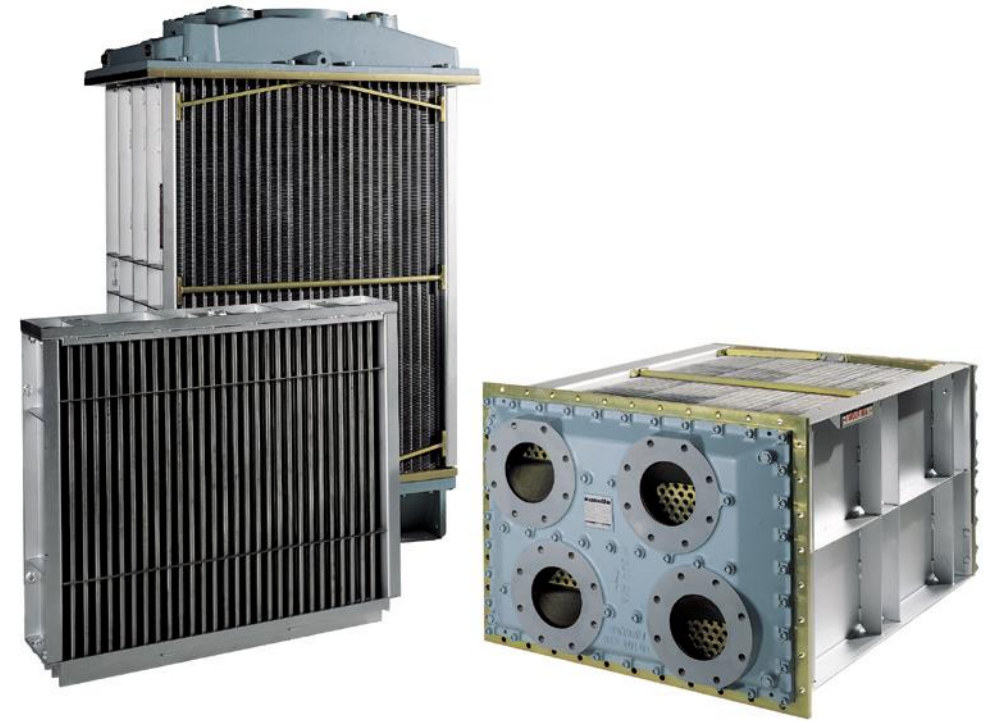
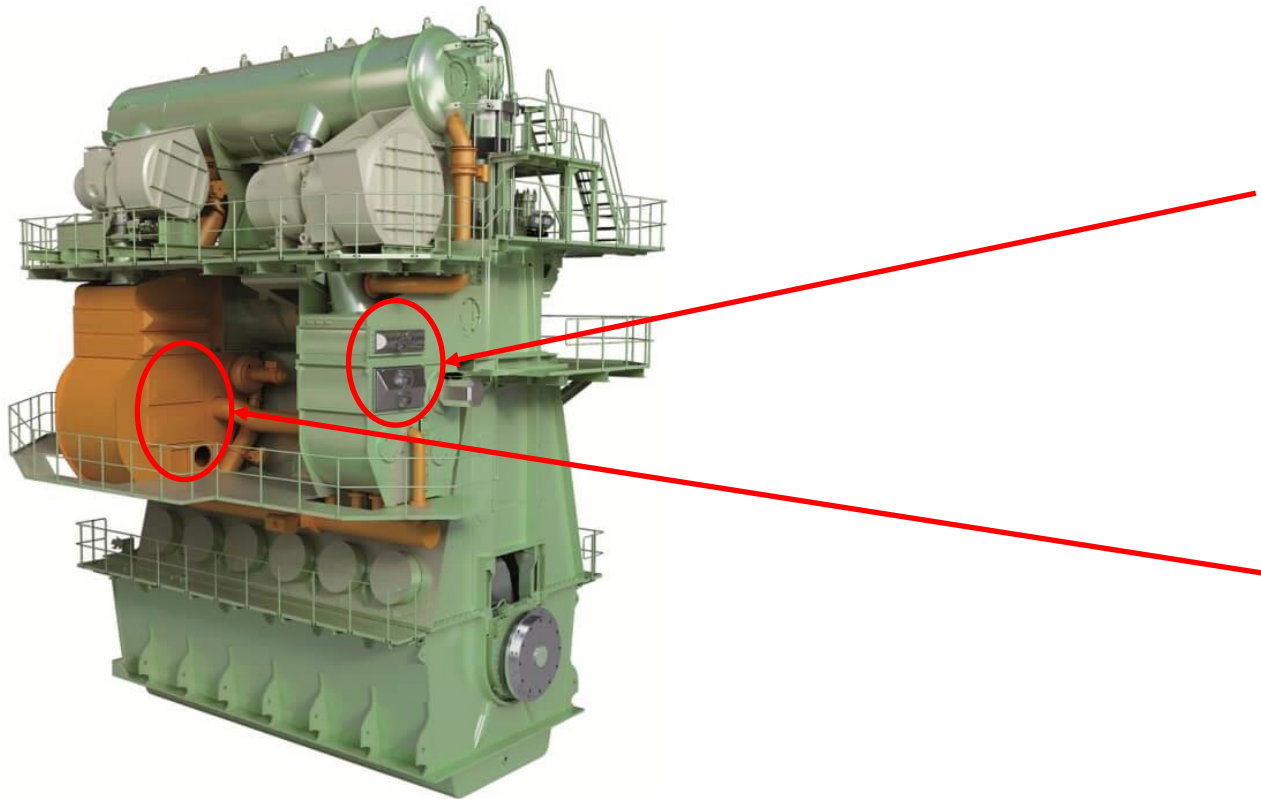
Oli-Coolers

Industry	Application	Description
<b>Heavy industries</b> 	Railway - Diesel	CAC for engines in locomotives
	Mining trucks, large construction machines, earth moving machines, farm machines	CAC for engines in Mining trucks, large construction machines, earth moving machines, farm machines
	Electric motors	Coolers for electric motors in tunnel drilling machines, rolling machines, etc.
	Injection Molding Machine	Oli-Coolers
	Compressor	Intercoolers Oli-Coolers Radiator
	All industries	Radiator



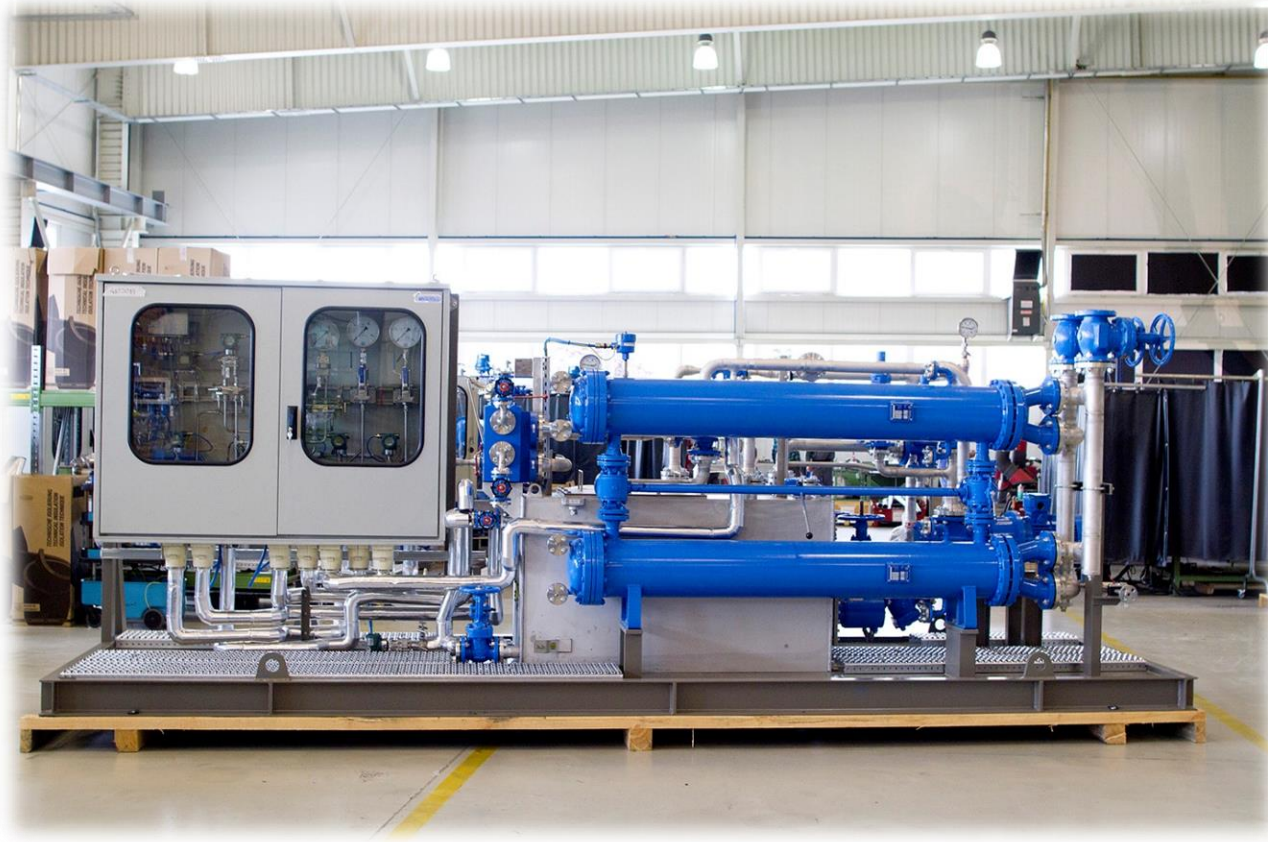
## Charge air coolers, WHR coolers and EGR coolers

- Focus on emission reduction for: Marine, Power plant, Genset, Locomotive, Well-Frac, Mining, Offshore, Compressor, Gas drying
- Copper/Nickel, Copper, Brass, Aluminum, Stainless steel (304, 316L, 904L)



## Oil coolers and oil cooling systems

- Engines, construction equipment, mining, offshore, gear boxes, cranes, lube oil
- Copper/nickel, copper, steel, brass, aluminum, stainless steel (304, 316L, 904)





## Generator coolers & cooler housings

- Double tube/single tube, insulated housings, leak detector
- Copper/nickel, copper, aluminum, steel, brass



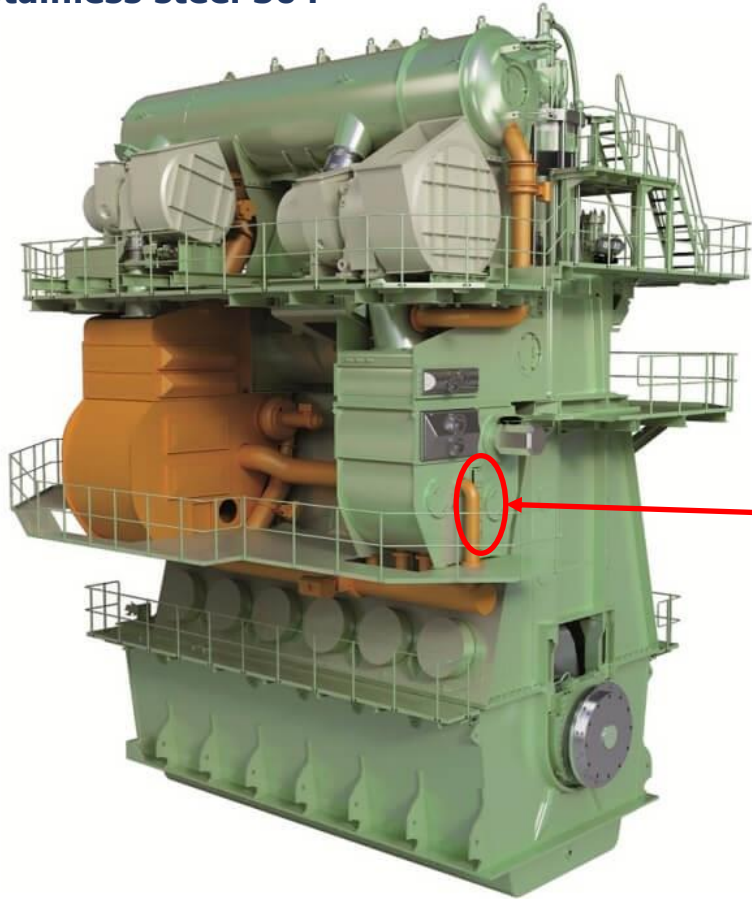
## **Exhaust gas manifold units & Welded systems**

- **Ready-to-install, complete assemblies, insulated units**
- **System and package deliveries**
- **Vendor management optimization**



## Water mist catcher / Water seperator

- High efficiency, extremely durable
- Stainless steel 304





# Charge Air Cooler Block design

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# Reference Customers

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**LIEBHERR**

**SCHORCH**

*a WOLONG company*



**SIEMENS**



by Gardner Denver

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