



# TMS

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INDUSTRIAL REFRIGERATION

*Tailoring HVAC/R Solutions Upon Your Needs*

GENERAL CATALOGUE

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# ABOUT US

## Discover TMS, stands for “Tailor Made Solutions”

Established in 2002, TMS leverages experience from various heavy industries since 1990 to provide customized industrial and process cooling systems. We focus on engineering, design, quality, reliability, durability, and on-time delivery, offering solutions for highly corrosive environments, extreme temperatures, and high dust levels.

## Research & Development

Our 18-engineer R&D team, collaborating with Istanbul’s Technical Universities, offers innovative HVAC and refrigeration solutions. Our Design Center specializes in:

- Cooling system design
- HVAC/Refrigeration software development
- Automation and control panel design
- Mechanical design and analysis

Using software like Unilab Shark, EPlan, and Solidworks, we optimize and test designs in our Climatic Test Rooms. Our custom software “CoolZone” aids in equipment selection and site-specific analyses.

## Quality Management

We adhere to ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 standards, emphasizing continuous improvement and customer satisfaction. Our CE and EAC certified products meet various international regulations like NORSOK, SOLAS, RMRS, ATEX, and IECEx. We provide after-sales service in 34 locations worldwide.

## Design Center

Our Design Center, recognized by the Ministry of Industry and Trade, focuses on:

- Cooling system design



- HVAC/Refrigeration software development
- Automation and control panel design
- Mechanical design and analysis

We use advanced software for cooling cycle optimization, electrical project design, and 3D structural design. Our in-house “CoolZone” software streamlines equipment selection and site-specific analyses. Climatic Test Rooms allow rigorous testing of prototypes under varied conditions.

## Manufacturing

Our dedicated production staff ensures prompt, high-quality product delivery. Using an ERP system, we integrate processes from order management to logistics, ensuring efficiency. We comply with IEC 81346-2:2019 standards and employ lean manufacturing techniques.

Our facility includes assembly and metal production lines, with rigorous quality checks at each stage. Spanning over 6500m<sup>2</sup>, it includes 1200m<sup>2</sup> for quality control and Factory Acceptance Testing (FAT), and 1000m<sup>2</sup> for storage.

## Quality Control

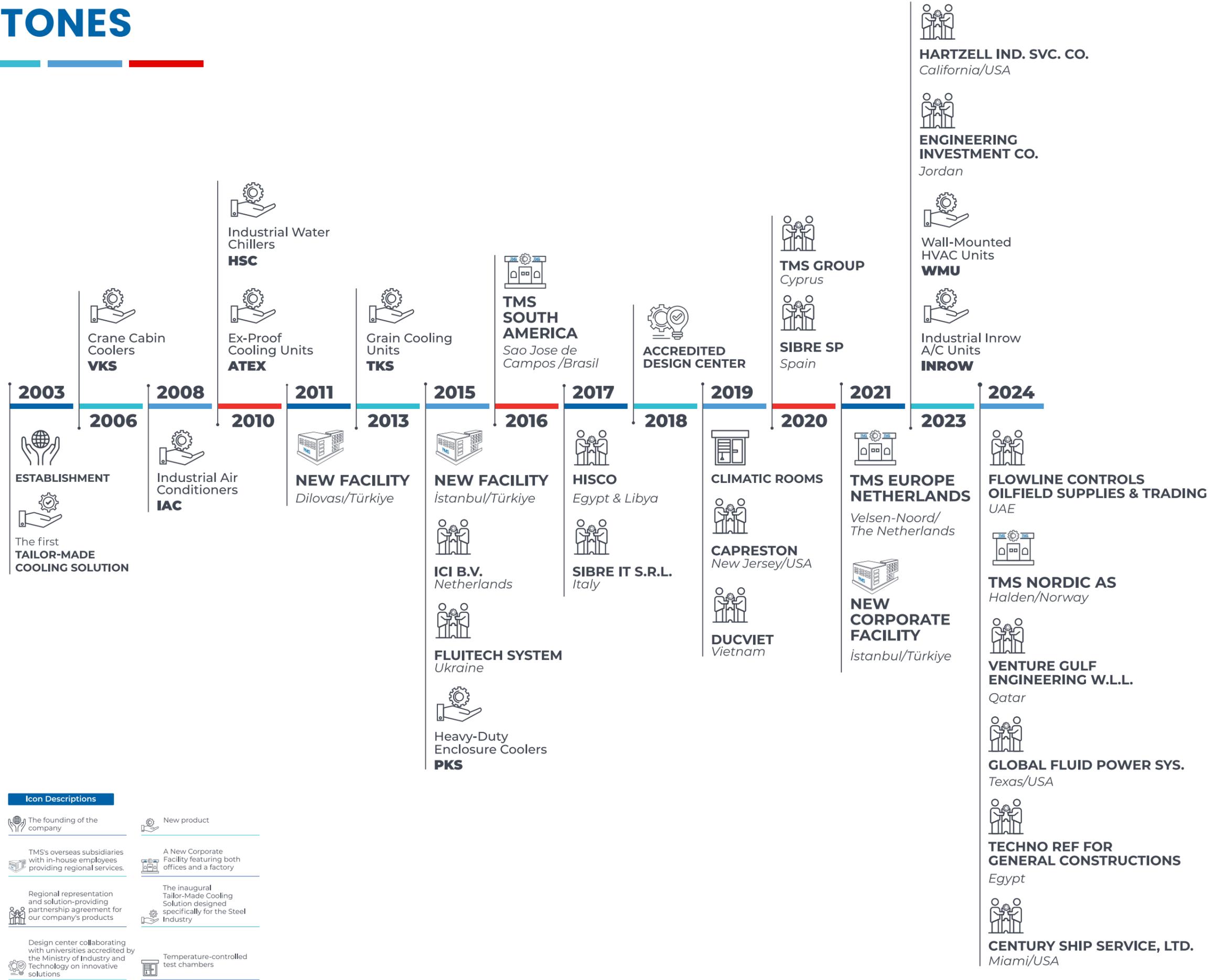
Quality control starts with material checks and continues through six assembly stages, with intermediate inspections. Final products undergo mechanical, electrical, and performance testing, with a Pre-Delivery Inspection (PDI) before packaging and shipment.

## After Sales Services

Our After Sales services ensure that your cooling units are installed and commissioned to operate at their best, with start-up support available upon request. We offer comprehensive repair services for all brands, along with diagnostic support for malfunctioning units. Our maintenance services help prevent breakdowns and ensure continuous operation. All our units come with a one-year warranty, with options for extended coverage. Additionally, we provide a full range of spare parts.



# MILESTONES



Icon Descriptions	
	The founding of the company
	New product
	TMS's overseas subsidiaries with in-house employees providing regional services.
	A New Corporate Facility featuring both offices and a factory
	Regional representation and solution-providing partnership agreement for our company's products
	The inaugural Tailor-Made Cooling Solution designed specifically for the Steel Industry
	Design center collaborating with universities accredited by the Ministry of Industry and Technology on innovative solutions
	Temperature-controlled test chambers

# INDUSTRIES & APPLICATIONS

APPLICATION AREAS	 CRANE CABINS	 ELECTRICAL ROOMS / CABIN/HOUSE	 CONTROL ROOMS/ PULPITS	 LABORATORIES	 HYDRAULIC ROOMS	 CONTAINERS/ SHELTERS	 E-PANELS	 PROCESS COOLING	 GRAIN SILOS	 PRODUCTION HALL
<b>INDUSTRIES</b>										
STEEL INDUSTRY	VKS - VI	IAC - VI - WMU	IAC - VI - WMU	IAC - WMU	IAC - VI	VKS - IAC - VI - WMU	PKS			IAC
OIL & GAS	VKS - VI	IAC - VI - WMU	IAC - VI - WMU	IAC - WMU	IAC - VI	IAC - ATEX - VI - WMU	PKS			
CEMENT INDUSTRY	VKS - VI	IAC - VI - WMU		IAC - WMU	IAC - VI	IAC - VI - WMU	PKS	HSC		
PAPER INDUSTRY	VKS - VI	IAC - VI		IAC	IAC - VI		PKS			
ENERGY INDUSTRY	VKS	IAC - WMU		WMU		VKS - IAC - WMU	PKS			
MARINE - OFFSHORE	VKS - ATEX - VI	IAC - ATEX - VI - WMU	IAC - HSC - VI - WMU	IAC - WMU	IAC - HSC - VI	IAC - ATEX - VI - WMU				
PORTS	VKS - IAC	IAC				VKS - IAC	PKS		TKS	
AGRICULTURE		IAC		IAC					TKS	
AUTOMATION		IAC				VKS - IAC	PKS			
MINING	VKS - VI	IAC - VI - WMU		IAC - WMU	IAC - VI	VKS - IAC - VI - WMU	PKS			
RUBBER-TYRE INDUSTRY				IAC			PKS			IAC
RENTAL	MAC	MAC	MAC	MAC	MAC	MAC			TKS	MAC
HYDROGEN		IAC - VI - WMU	IAC - VI - WMU	IAC - WMU	IAC - VI	VKS - IAC - VI - WMU				

**VKS Series:** Crane Cabin Cooler  
**IAC Series:** Industrial Air Conditioners  
**ATEX Series:** Explosion Proof Cooling Units  
**TKS Series:** Grain Cooling Units  
**HSC Series:** Air&Water Cooled Industrial Chillers  
**APU Series:** Pressurization & Filtration Units

**MAC Series:** Mobile Cooling Units  
**PKS Series:** Industrial Panel Coolers  
**DWE Series:** Drain Water Evaporator  
**WMU Series:** Wall Mounted Industrial HVAC Unit  
**VI Series:** Vertical Inrow Industrial Air Conditioners



# VKS Series

**STRONG SOLUTIONS  
FOR YOUR CRANES  
IN HEAVY INDUSTRIES**



## VC Compact Type



- 2 kW - 7 kW  
Cooling capacity
- +95°C  
Upper limit ambient temperature for operation
- Eco Friendly  
Refrigerant

## VP Package/Monoblock Type



- 2,5 kW - 28 kW  
Cooling capacity
- +95°C  
Upper limit ambient temperature for operation
- Eco Friendly  
Refrigerant

## VS Split Type

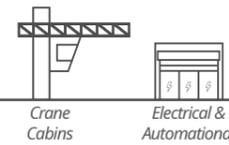


- 2,5 kW - 46 kW  
Cooling capacity
- +95°C  
Upper limit ambient temperature for operation
- Multiple Indoor Units  
Applications
- Eco Friendly  
Refrigerant

## VM Medium Type



- 2 kW - 7 kW  
Cooling capacity
- 15°C / +80°C  
Upper limit ambient temperature for operation
- Eco Friendly  
Refrigerant



### Industries

Steel&Iron, Metallurgy, Cement,  
Oil&Gas, Energy, Mining, Machinery,  
Marine&Port

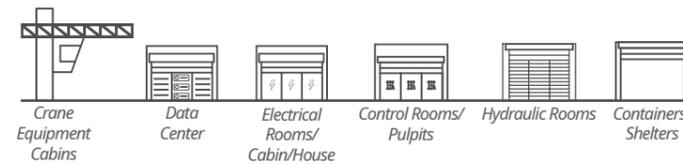
VKS is well known as the most durable, tough, and long-lasting series of TMS. VKS Series Crane Cab Coolers always assure high performance even under the most severe conditions. Thanks to its 1.5 million variants, fully meets the requirements of various projects and applications. VKS Series Crane Cab Coolers secure sustainable and continuous operation of your processes, under vibration, dusty, corrosive and high-temperature environments.

# VI Series

POWERFUL COOLING,  
ENDURING PERFORMANCE



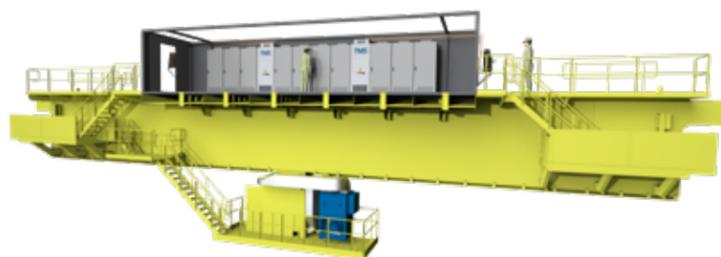
-  4 kW - 22 kW  
Cooling range
-  +80°C  
Upper limit ambient temperature for operation
-  Down Flow  
Down Steam
-  Eco Friendly  
Refrigerant



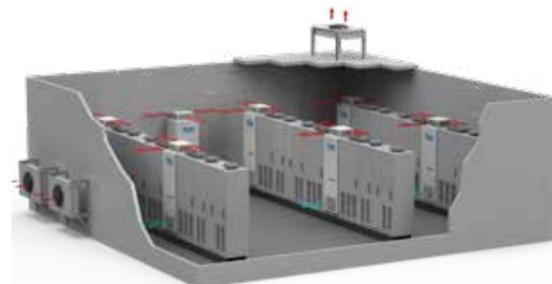
### Industries

Process Cranes in Steel, Data Center, Non-Ferrous Metals, Mining, Oil&Gas, Cement, Paper, Offshore

### Crane Cabin Applications



### E-House and Container Applications



The VI Series Inrow Industrial Air Conditioner Units set new standards for optimal air quality in cabins and containers. Built on TMS's legacy of durability, the VI Series ensures unwavering performance even in the harshest conditions, offering versatile configurations for diverse projects.

A significant portion of the VI air conditioning unit remains inside the cabin, minimizing exposure to harsh external conditions such as vibration, dust, and high temperatures. The outdoor condenser unit can be customized with different materials, including Cu/Al, Cu/Cu, and SS/SS, along with various coating options, dimensions, and features to ensure the perfect fit for your requirements.

The unit's footprint is similar to that of electrical equipment panels inside the cabin, allowing for optimal placement and homogeneous distribution of conditioned air.

WALL MOUNTED INDUSTRIAL HVAC UNIT

# WMU Series

POWERFUL COOLING,  
SEAMLESS INSTALLATION



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-  8 kW - 100 kW  
Cooling range
-  +60°C  
Upper limit ambient temperature for operation
-  Free Cooling  
at low outside temperatures
-  Hybrid Cooling  
mode
-  Fresh Air  
Up to %30 of total air flow
-  Central Management  
Up to 12 device
-  Eco Friendly  
Refrigerant



### Industries

Renewables, Hydrogen,  
Oil&Gas, Metallurgy,  
Defense

### Single Applications

### Twin Type Higher Capacity Applications



Main Single Unit    Main Single Unit    Single Stand-by Unit    Main Twin Unit    Main Twin Unit    Single Stand-by Unit

Revolutionize your cooling experience with WMU Series Wall Mounted Unit! Unleash unmatched performance with WMU Series Wall Mounted Unit, tailored for industrial plants and versatile applications. Designed for easy installation, these units operate 24/7, even in severe conditions. No infrastructure? No problem!

Simply connect it to your wall and enjoy efficient cooling. Perfect for Steel, Mining, Oil&Gas, and more industries. Elevate your cooling game with the latest in industrial air conditioning technology!

# IAC Series

**SOLUTIONS  
WITHOUT LIMITS**



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### ISCA Air Cooled Self Contained Type

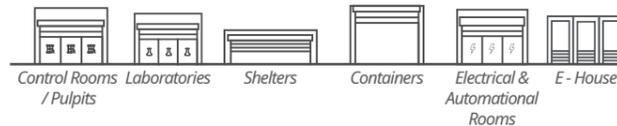
- 5 kW - 116 kW  
Cooling range
- 25 °C - +55 °C  
Upper limit ambient temperature for operation
- Corrosion Resistant  
Durable design against corrosion
- Eco Friendly  
Refrigerant

### ISCW Water Cooled Self Contained Type

- 5 kW - 106 kW  
Cooling range
- Corrosion Resistant  
Durable design against corrosion
- Eco Friendly  
Refrigerant

### ISCM Marine Self Contained Type

- 7 kW - 55 kW  
Cooling range
- Modular Design
- Corrosion Resistant  
Durable design against corrosion
- Eco Friendly  
Refrigerant
- Pitch and Roll



### Industries

Steel&Iron, Metallurgy,  
Cement, Oil&Gas, Food  
Machinery, Energy,  
Marine, Automotive  
and Defense

The IAC Series offers a comprehensive range of solutions with options for air-cooled or water-cooled condensers, and split or package types, catering to the demands of projects and applications in challenging environmental conditions. With a wide capacity range and multiple alternatives, the IAC Series can meet all your cooling needs. Self Contained units (ISCA, ISCW, ISCM) operate with environmentally friendly refrigerants. Compact, durable, robust and attractive cabinet fits any working environment such as dusty and corrosive. Various compressor and refrigerant type usages brings trouble-free operation with high ambient temperatures up to 55°C's, and high cooling water temperatures. Heating can be carried out with electrical heater, steam, hot water, thermal oil resources. Designed to provide reliable 24/7 climate control in harsh conditions, these units are the best choice for demanding applications. With various compressor types, material options, and coating classes, the IAC Series offers unmatched adaptability and performance for your specific needs.

# IAC Series

**SOLUTIONS  
WITHOUT LIMITS**



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### ISA Air Cooled Split Type

-  3 kW - 125 kW  
Cooling range
-  Corrosion Resistant  
Durable design against corrosion
-  Multiple Indoor Units  
Applications
-  Eco Friendly  
Refrigerant

### ISW Water Cooled Split Type

-  3 kW - 129 kW  
Cooling range
-  Corrosion Resistant  
Durable design against corrosion
-  Multiple Indoor Units  
Applications
-  Eco Friendly  
Refrigerant



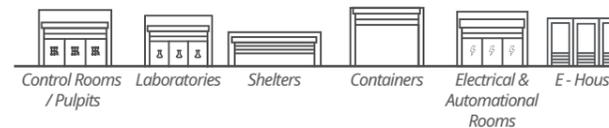
### IRA Air Cooled Rooftop Type

-  5 kW - 192 kW  
Cooling range
-  Corrosion Resistant  
Durable design against corrosion
-  Fresh Air Mixing Kit
-  Eco Friendly  
Refrigerant



### IRW Water Cooled Rooftop Type

-  5 kW - 192 kW  
Cooling range
-  Corrosion Resistant  
Durable design against corrosion
-  Eco Friendly  
Refrigerant



#### Industries

Steel&Iron, Metallurgy,  
Cement, Oil&Gas, Food  
Machinery, Energy,  
Marine, Automotive  
and Defense

IAC Series Industrial Air Conditioners are widely used in industrial plants such as electrical and automation rooms, equipment rooms, pulpits-control rooms and cabinets, curing rooms, transformer rooms, laboratories, data processing centers, battery rooms, containers and shelters and various other industrial applications including maritime. Tailored to the special needs of any given working conditions and environments, the design can easily be altered and optimized on 17 points.

Free cooling and economizer options maximize energy efficiency, making it ideal for applications where cooling is required year-round. These units are similar to other cooling products on the market, yet they stand out with their unique features. Whether you need self-contained, split, or packaged air conditioning units, the IAC Series can be tailored to meet your project requirements and implemented seamlessly.

Split units consist of two parts as being indoor and outdoor, so these two parts are not affected from environmental conditions of each other's. Thus, the solution is optimized by necessary updates against too harsh environmental conditions such as dust, humidity, corrosive and high ambient temperatures. Four (4) different indoor units are applicable to be connected to the outdoor units and the quantities of connected units would vary to keep homogenized air balance in the cooled rooms. Each indoor unit brings an advantage depending on your projects as being ceiling type, wall type, duct type or without, slim type, interchangeable wall/ceiling type.

EXPLOSION PROOF COOLING UNITS

# ATEX Series

TOP LEVEL SAFETY  
AT YOUR SERVICE



tmsgrup.com

## Ex-Proof Units

### Ex-Proof

Explosion Proof, ATEX certified  
Zone 1 & Zone 2  
T1-T2-T3  
IIA - IIB - IIC

**Corrosion Resistant**  
Durable design against corrosion

**Eco Friendly**  
Refrigerant

**Pitch and Roll**



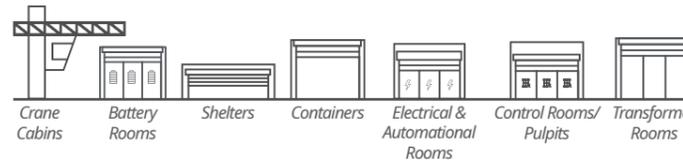
IAC Series ATEX  
Industrial Air Conditioners



HSC Series ATEX  
Industrial Chillers



VKS Series ATEX  
Crane Cab Coolers



### Industries

Oil&Gas, Energy,  
Marine and Defense

TMS offers a comprehensive range of air conditioning and cooling solutions, including air-to-air, water-to-water, air-to-water, and water-to-air systems, all available in Ex-Proof designs. Our ATEX and IECEX certified systems ensure the highest level of safety while maintaining exceptional operational performance.

Designed to meet the specific needs of your projects, TMS products can be customized as Ex-Proof for classifications up to Zone 1, 2, up to IIC T3, complying with regulations such as DNV, Norsok, ATEX, and IECEX.

Whether you require water chillers, split and packaged compact air conditioners, or air purification and pressurization units for hazardous environments, TMS provides tailor-made solutions that seamlessly fit your application.

GRAIN COOLING UNITS  
**TKS** Series

KEEP YOUR GRAIN COOL,  
 FEEL THE BENEFITS!

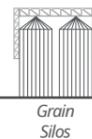


tmsgroup.com



Standard&Tropic Series

-  up to 1500 tons  
Cooling performance/day
-  up to +55 °C  
Operating Temperature Range
-  Remote  
Monitoring
-  Eco Friendly  
Refrigerant



**Industry**

Agriculture

No more waiting for specific weather temperature and humidity conditions to cool your grain silos with the conventional ventilation systems. You can run the TKS Series Grain Silos Cooler to store or stock your grain with specifically required conditions in your silos even under desert heat or tropical rains. TKS series help you protect your products such as cereal, soy, rice from losses caused by overheating, molding, infestation, and drying.

# HSC Series

ALTERNATIVE SOLUTIONS  
REGARDING YOUR  
REQUIREMENTS

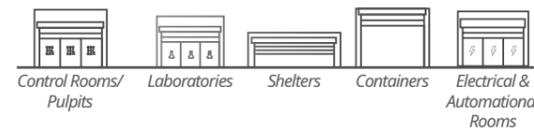


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## Air&Water Cooled Industrial Chillers

-  5 kW - 1600 kW  
Cooling range
-  -25°C / +65°C  
Environmental temperature range for operation
-  Eco Friendly  
Refrigerant
-  Pitch and Roll



### Industries

Steel, Metallurgy, Mining, Vement, Oil&Gas, Food, Pharmaceutical, Printing, Machinery, Energy, Automotive, Shipbuilding, Aviation, Marine, Composite and Defense

Leave your thoughts aside about traditional water chillers! The HSC Series provide a robust and sustainable solution to your requirements for the water cooling operation. The units can be optimized to work in dusty, explosive, corrosive environments with their water-cooled or air-cooled types. HSC Series provides the widest operating range among the water cooling units in the market. TMS makes it possible for you to customize our units according to the requirements of your projects. The Series can be delivered to you as containerized with all complementary equipment such as water reserve tanks, pumps, expansion tanks in a plug&play form.

PRESSURIZATION & FILTRATION UNITS

# APU Series

KEEP THE AIR CLEAN  
FOR YOUR SAFETY

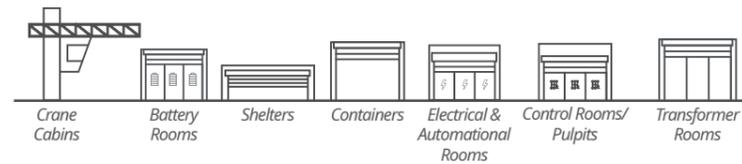


tmsgrup.com

## Pressurization & Filtration Units

 50 m<sup>3</sup>/h - 6.400 m<sup>3</sup>/h  
Air flow range

 -40°C / +95°C  
Environmental temperature range for operation



### Industries

Steel & Iron,  
Metallurgy,  
Cement,  
Automotive,  
Food Machinery,  
Energy, Marine,  
Oil & Gas and  
Defense

Do you have an environment with a high chemical concentration in your facility that may harm human health or equipment conditions? It is enough for us to be informed about the frequency of filter replacement and the type and intensity of chemicals in the environment to provide you with the proper chemical filtration unit. The function of the APU Series can be listed as to pressurize the environment not to allow any chemical or dust to leak in and purify the ambient air, respectively. Consider having these features with one unit, APU!

MOBILE COOLING UNITS

# MAC Series

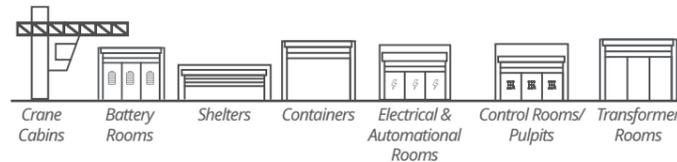
FAST TRACK COOLING SOLUTIONS!



tmsgroup.com



-  6,76 kW Cooling Capacity
-  -15 °C - +55 °C Operating Temperature Range
-  Ease of Maintenance
-  Eco Friendly Refrigerant



### Industries

Steel&Iron,  
Metallurgy, Cement,  
Automotive, Food  
Machinery, Energy,  
Marine, Oil&Gas,  
Commercial  
Purposes and  
Defense

You might have a malfunction in your air conditioning system and the system has not been designed with any redundancy scenario. Or, your current setup does not satisfy you from efficiency point of view. Besides, you might only need air conditioning during certain peak times of the year. You might also be in the rental business for cooling equipment. In this case, MAC Series Mobile Cooling Units are the perfect solution for you. With its plug and play feature, you can start up and run your operation instantly.

INDUSTRIAL PANEL COOLERS

# PKS Series

KEEP YOUR PANEL  
EQUIPMENT HEAT  
UNDER CONTROL



tmsgroup.com

## PO Heavy Duty Outdoor Panel Coolers

-  2500 W - 5000 W  
Cooling capacity
-  +10°C / +80 °C  
Environmental temperature range for operation
-  Eco Friendly  
Refrigerant
-  Corrosion Resistant  
Durable design against corrosion



E - Panels

### Industries

Steel&Iron, Food, Machinery,  
Telecommunication and  
Automotive

TMS provides the most durable and tough Panel Air Conditioner in the market with the PKS Series. Available in both indoor and outdoor models, the PKS Series ensures dependable continuous operation by maintaining the required temperature for the equipment inside the panel, even under challenging environmental conditions.

Often referred to as panel coolers, panel air conditioners, or enclosure coolers, these products serve similar functions. However, the PKS Series stands out with its unique design, capable of operating flawlessly in harsh environments. It performs reliably under vibration, at high ambient temperatures up to 80°C, and in corrosive conditions, making it significantly different from other products on the market.

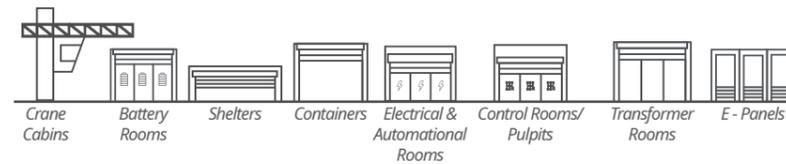
DRAIN WATER EVAPORATOR  
**DWE Series**

**STOP DRIPPING!**



tmsgroup.com

-  3 L/h - 6 L/h  
Drain water evaporation capacity
-  Corrosion Resistant  
Durable design against corrosion



**Industries**

Steel&Iron,  
 Metallurgy,  
 Cement,  
 Automotive, Food  
 Machinery, Energy,  
 Marine, Oil&Gas  
 and Defense

You may not have a drainage point for the water generated during the cooling cycle. It is possible to vaporize and eliminate the condensed water with the DWE Series Drain Water Evaporators. Multiple cooling systems operating in the same location can be connected to a single DWE unit, thus, providing you with a compact and low-cost solution.

FAN COIL  
**FCU** Series

ACHIEVE OPTIMAL TEMPERATURE CONTROL AND EFFICIENCY WITH TMS FAN COIL UNITS

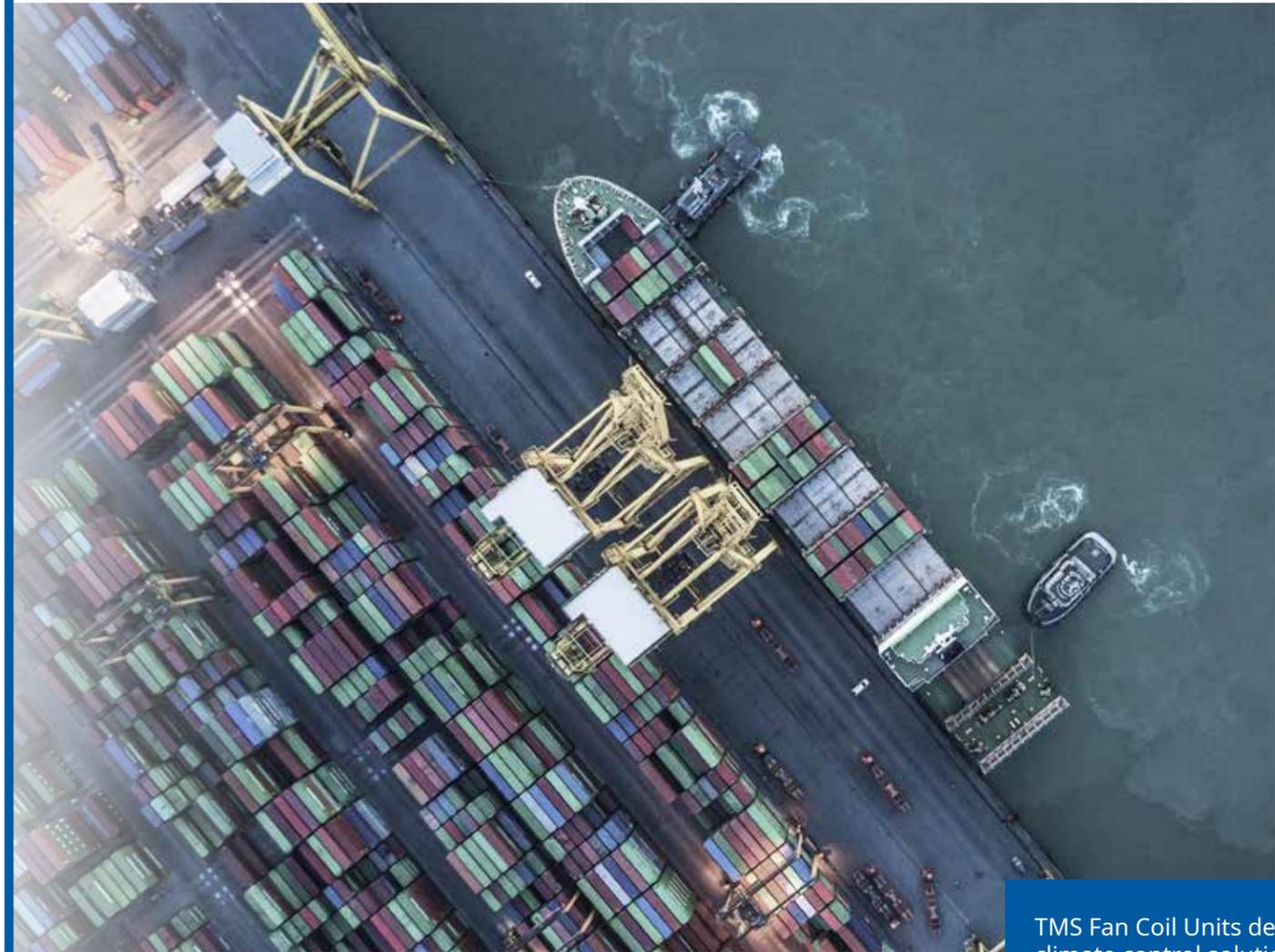


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**GDTW Water Cooled Fan Coil**

- 5 kW - 60 kW  
Cooling Capacity
- 26 kW - 183 kW  
Heating Capacity
- Corrosion Resistant  
Durable design against corrosion
- Dust Resistant  
Durable design against dust
- Pitch and Roll



**GCW Wall Type Fan Coil**

- 5 kW - 60 kW  
Cooling Capacity
- 26 kW - 183 kW  
Heating Capacity
- Corrosion Resistant  
Durable design against corrosion
- Dust Resistant  
Durable design against dust
- Pitch and Roll



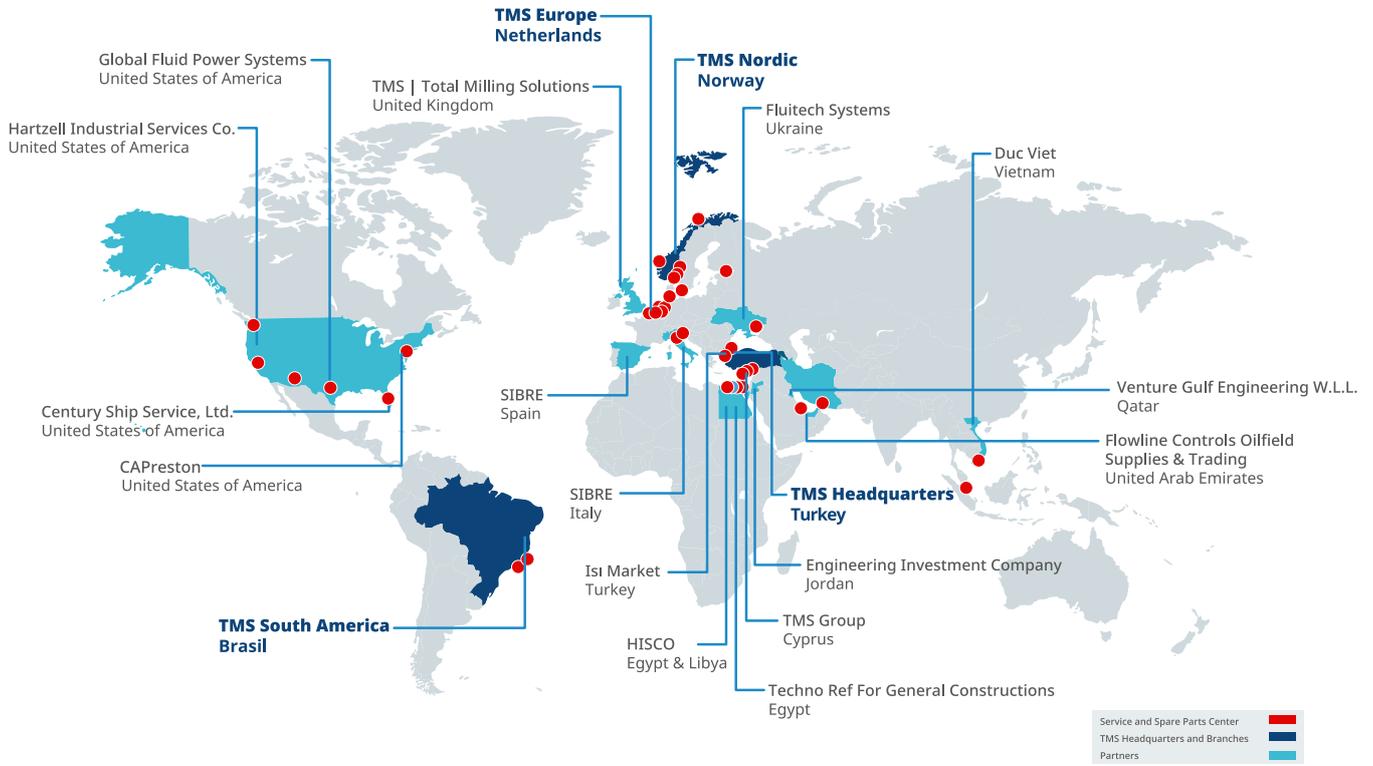
**Industries**

Steel and Metallurgy,  
 Mining, Cement, Oil&Gas,  
 Machinery, Energy, Marine,  
 Defense

TMS Fan Coil Units deliver versatile climate control solutions for a range of applications, from industrial plants to maritime environments. Available in both floor-standing (GDTW) and ceiling/wall-mounted (GCW) models, these units provide efficient heating, cooling, and dehumidification.

Engineered for durability and reliability, TMS Fan Coil Units are designed to work with both chilled and hot water producers, making them ideal for heavy industrial and marine-offshore conditions. They can be customized with factory-installed valve sets, variable-speed fans, and materials and coatings tailored to your specific application requirements.

# TMS GLOBAL



## TMS HEADQUARTER | TURKEY



TMS Endüstriyel Soğutma San. Tic. A.Ş.



## TMS NORWAY



TMS Nordic AS



## TMS EUROPE | NETHERLANDS



TMS Industrial Refrigeration Europe B.V.



## TMS BRAZIL | SOUTH AMERICA



TMS South America



[www.tmsgroup.com](http://www.tmsgroup.com)

**TMS HEADQUARTER  
TURKIYE**



**TMS EUROPE  
NETHERLANDS**



**TMS NORDIC  
NORWAY**



**TMS SOUTH AMERICA  
BRAZIL**

