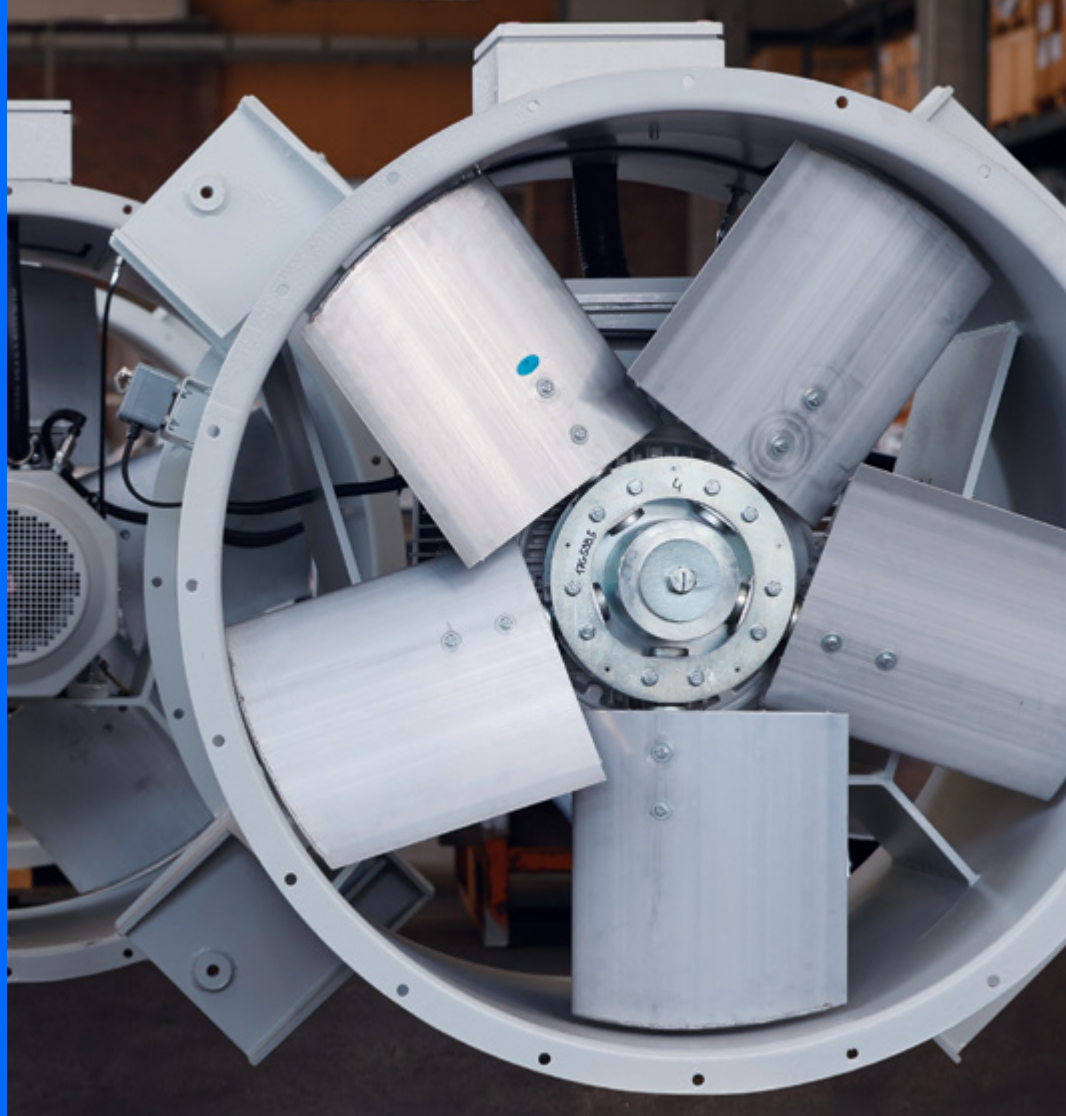


cofimco[®]



ENGINEERED FAN SYSTEMS

Your Turnkey Solution for Industrial and Marine Cooling

EFS
ENGINEERED
FAN SYSTEMS
ivifans by cofimco

Solutions Portfolio

 **ivifans**
by cofimco[®]



IVI Fans — Powered by Cofimco. United by Innovation.

With nearly 40 years of experience, IVI Fans brings **extensive expertise in engineered fan systems**, serving industries where reliability, customization, and performance are essential.

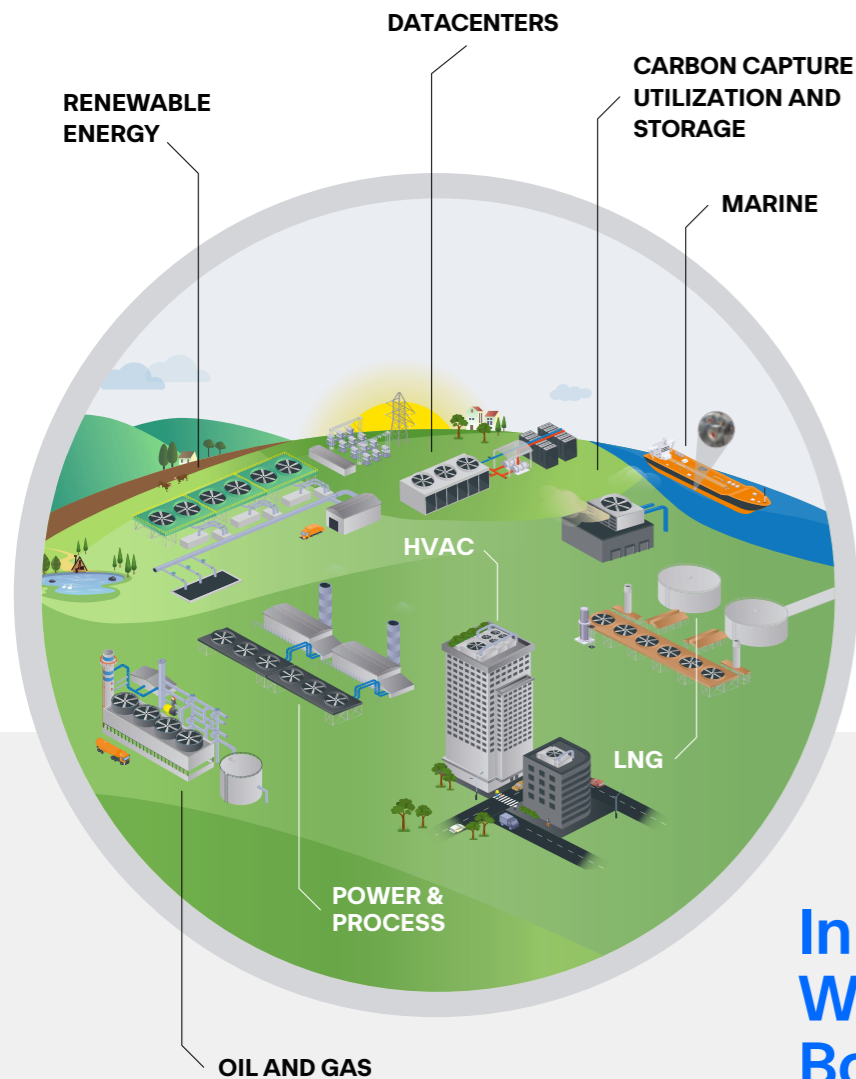


IVI Fans is a proud part of Cofimco, a global leader in cooling technology.



IVI Fans is specialized in the design and production of **Engineered Fan Systems (EFS)** and **advanced ventilation systems** for industrial and marine applications.

With decades of experience in axial fan technology, IVI combines **engineering precision** with Cofimco's global reach to deliver reliable, energy-efficient solutions tailored to every environment.



Innovating Without Boundaries

Driven by Cofimco's global vision and technical excellence, IVI Fans stands as a trusted partner — **present in every flow**, powering industries and progress worldwide.

Products and Expertise

Each solution is **custom-built** to integrate seamlessly into complex systems, ensuring **maximum efficiency, durability, and safety**.

- Engineered Fan Systems (EFS)** | Compact, custom-engineered configurations with direct-drive or belt transmission setups.
- Accessories & Components** | Silencers, dampers, bearing blocks, FRP fan stacks, gearboxes, and motors.
- After-Sales Services** | On-site commissioning, vibration and noise testing, performance analysis, and maintenance support.

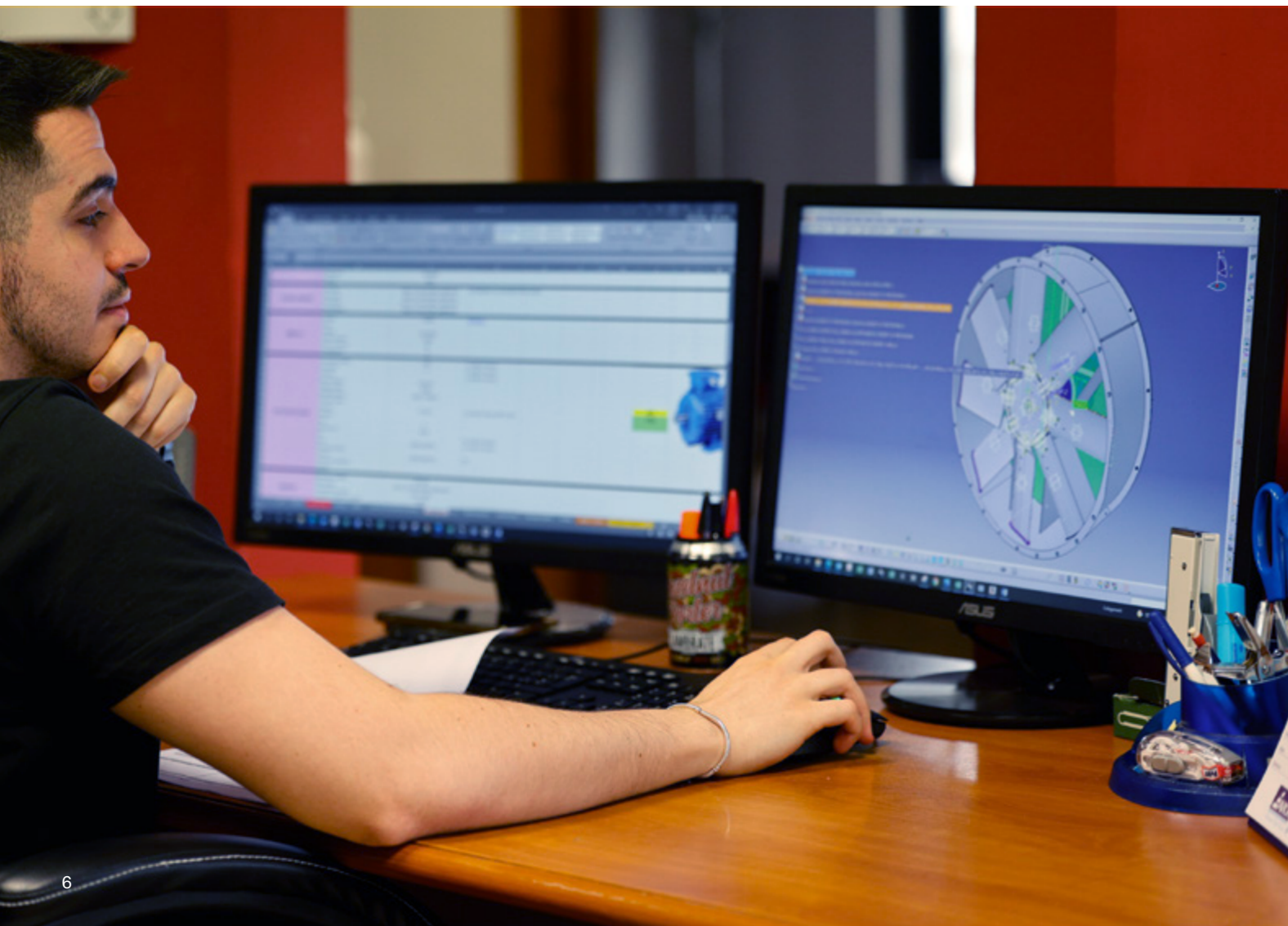
Key Strengths at a Glance

- Higher Performance** | Innovative airfoils offering reliability, performance and durability, with reduced power consumption, lower sound emission, high fatigue strength and optimal corrosion resistance.
- Customisable Solutions** | Capacity for customisation based on the needs of each customer, with the freedom to choose fan diameter and blade material, and surface treatment for various environment.
- Strong Engineering** | Innovative aerodynamic and structural features backed by strong technical know-how, like interchangeable and pultruded blades that ensure superior mechanical.
- Wide Range of Applications** | Air coolers, Dryer, Cooling towers, heat exchangers, steam condensers, radiators, civil and marine ventilation, tunnel/metro and other industrial applications in the marine, mining food and cement sectors.
- Customer Service Quality** | Excellent pre and post sales support with assembly check, and troubleshooting, on-site balancing, vibration surveys, performance test, impact test on Customer structure (if needed) with the help of technical devices.

Shaping Reliability Through Research and Testing

Our Research & Development department continuously refines fan design through advanced **aerodynamic modeling**, **CFD simulations**, and **structural analysis** to ensure optimal efficiency, low noise, and long-term reliability.

Every fan system is validated through a rigorous **testing process** that includes **performance verification**, **vibration and noise analysis**, and dynamic balancing, guaranteeing compliance with API 661, ISO 1940, and other international standards.



From design to final validation, our R&D and testing activities reflect one goal — **delivering fans that perform flawlessly**, even in the most demanding industrial environments.



Balancing

Dynamic balancing acc to ISO21940-11Gr 6.3 or, for major accuracy, 2.5. Static balancing on blades for >2600 mm diameter.



Vibration Test

Vibration measurements at design speed and at service simulation (positioning) – measurements taken in three directions, in all brackets and in the radial direction (near the motor).



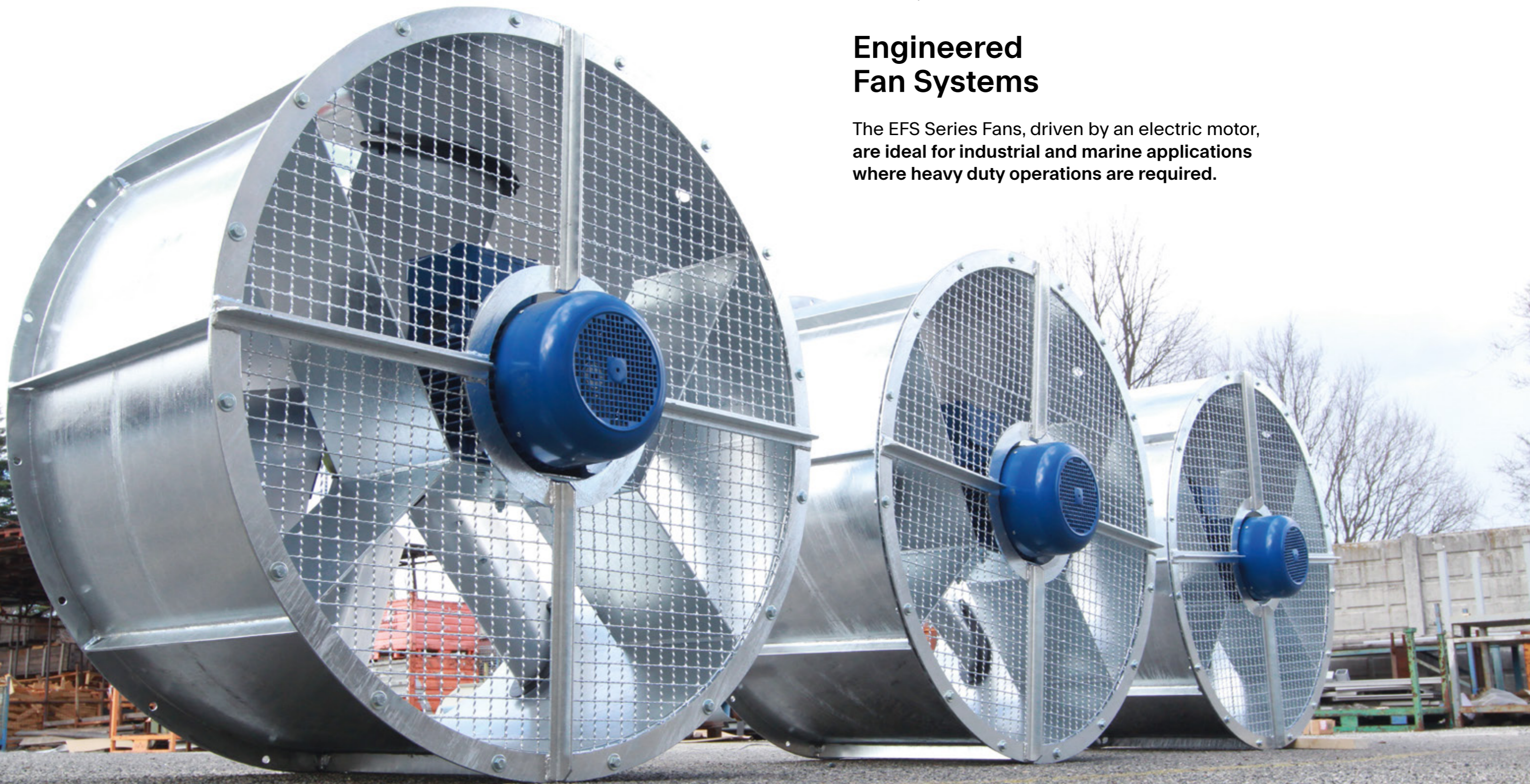
Noise Test

Noise tests performed following the standardized procedures, ensuring measured sound levels comply with the specified project requirements (PTS).

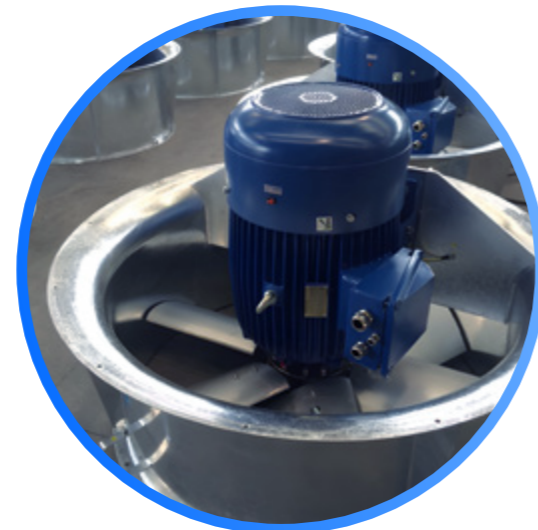


Engineered Fan Systems

The EFS Series Fans, driven by an electric motor, are ideal for industrial and marine applications where heavy duty operations are required.



EFS Categories



CFF and LFF

Size	∅ min. 355 -3048 mm
Applications	Ships (Military, Cargo, Ro-Ro, Ro-Paxm etc.) AC/ ACC/ Heat Exchanger / Cooling Towers
End Market	HVAC, Renewable energy, Civil & Defence Marine, Nuclear, LNG, Data Center, Carbon capture, Oil & Gas, Power & Process, Food & Beverage
Advantages	<ul style="list-style-type: none"> • Compact design to save space • Few maintenance activities • Silent due to the absence of the belt system
Axial Fan	
Blade Material	Aluminium 6060 T5 UNI 3569-66, FRP, PAG, PAGAS
N° of blades	min. 4
Type of fan	AP (adjustable pitch at stand still or AV auto-variable)
Balancing	< 2400mm dynamic grade 6.3 acc. to ISO 21940-11 / > 2400mm statically balanced
EFS assembly	
Casing type	Flanged, Conical, Bell, Circular, Elliptical
Materials	<ul style="list-style-type: none"> • FE S235JR / FE355JR • Protection grid type MESH • Motor plate • Vibraswitch support
Casing treatment	HDG ISO 1461 / Painted acc. to any spec. or ISO 12944



TFF-09 Belt Transmission Motor on Bridge

Size	∅ min. 1524 - 5500 mm (bigger size available in FRP)
Applications	AC/ ACC/ Heat Exchanger / Cooling Towers
End Market	HVAC, Renewable Energy, Nuclear, LNG, Data Center, Carbon Capture, Oil & Gas, Power & Process, Food & Beverage
Advantages	<ul style="list-style-type: none"> • Easy access for maintenance without removing any component • Optimal tensioning • Easy replacement of belts (no special tools required)
Axial Fan	
Blade Material	Aluminium 6060 T5 UNI 3569-66 or FRP
N° of blades	min. 4
Type of fan	AP (adjustable pitch at stand still or AV auto-variable)
Balancing	< 2400mm dynamic grade 6.3 acc. to ISO 21940-11 / > 2400mm statically balanced
EFS assembly	
Casing type	Flanged, Conical, Bell, Circular, Elliptical
Materials	<ul style="list-style-type: none"> • FE S235JR / FE355JR • Protection grid type MESH • Iron bridge type U 140 • Motor plate • Vibraswitch support
Casing treatment	HDG ISO 1461 / Painted acc. to any spec. or ISO 12944
Belt type	HTD / V-BELT
Bearing block	Backstop / Lifetime lubricated bearings / AISI 316 Lubrication lines / C4M



TFF-12 Belt Transmission Motor on Side Casing

Size	∅ min. 1000 - 3048 mm
Applications	AC/ ACC/ Heat Exchanger / Cooling Towers
End Market	HVAC, Renewable Energy, Nuclear, LNG, Data Center, Carbon Capture, Oil & Gas, Power & Process, Food & Beverage
Advantages	<ul style="list-style-type: none"> • Compact design to save space • Optimal tensioning • Easy replacement of belts (no special tools required)
Axial Fan	
Blade Material	Aluminium 6060 T5 UNI 3569-66 or FRP
N° of blades	min. 4
Type of fan	AP (adjustable pitch at stand still or AV auto-variable)
Balancing	< 2400mm dynamic grade 6.3 acc. to ISO 21940-11 / > 2400mm statically balanced
EFS assembly	
Casing type	Flanged, Conical, Bell, Circular, Elliptical
Materials	<ul style="list-style-type: none"> • FE S235JR / FE355JR • Protection grid type RING & MESH • Motor plate
Casing treatment	HDG ISO 1461 / Painted acc. to any spec. or ISO 12944
Belt type	HTD / V-BELT
Bearing block	Backstop / Lifetime lubricated bearings / AISI 316 Lubrication lines / C4M



Excellence in Airflow Solution

As part of the Cofimco Group, IVI Fans also benefits from the **cutting-edge technology developed for EC Fans**, a new generation of high-efficiency solutions designed for sustainable cooling and smart control.

Developed by Cofimco's R&D team, these fans combine advanced EC motors, aerodynamic blades, and variable-speed control to deliver optimal airflow with minimal energy consumption.

Compact, reliable, and easy to integrate within Engineered Fan Systems (EFS), Cofimco EC Fans represent the perfect synergy between performance, energy savings, and environmental responsibility.

Here's why our EFS are the superior choice for your most demanding projects:

	Tailored to Your Exact Needs	We don't believe in one-size-fits-all. Every EFS is custom-built to your specific operational requirements, ensuring optimal performance, efficiency, and integration with your existing systems.
	Uncompromising Structural Integrity	Our EFS feature robust welded steel structures, never bolted frames. This superior build ensures maximum stability and long-term reliability, eliminating vibration and structural fatigue.
	Pre-Engineering with 3D Integration	We remove uncertainty from the planning stage. Our pre-engineered 3D models let you verify space requirements, assess footprints, and seamlessly integrate our design into your plant layout.
	Bid Support with Compact, Complete Solutions	We support you throughout the bidding phase with complete, compact fan solutions , saving engineering time, reducing pre-project costs , and accelerating your proposal process .
	True Turnkey Project Management	We offer a turnkey solution , managing every step — from design and engineering to logistics and quality control. This approach eliminates the need to coordinate multiple suppliers , streamlining your project management.
	Proactive Resonance & Impact Analysis	Our support goes beyond the fan. We perform impact tests to identify structural resonances and deliver engineered solutions that prevent issues before they arise — ensuring stability and safety across the entire system .

Partner with Cofimco for your next project and experience the difference of a truly engineered solution. Let us handle the complexity, so you can focus on your core operations."



Ioana Greta
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Accessories

At any time, we are able to analyse the specific urgency of the client and find, according to that, **an alternative solution in a very fast way.**

For the specific needs related to noise reduction, air flow deviation, and protection from hazardous environmental elements, we can meet client requirements by providing aeraulic accessories.

Customers can be provided with any type of spare part related to previously delivered supplies and, in addition, thanks to the cooperations with its suppliers, supply centrifugal fans of various types suitable for every type of plant.



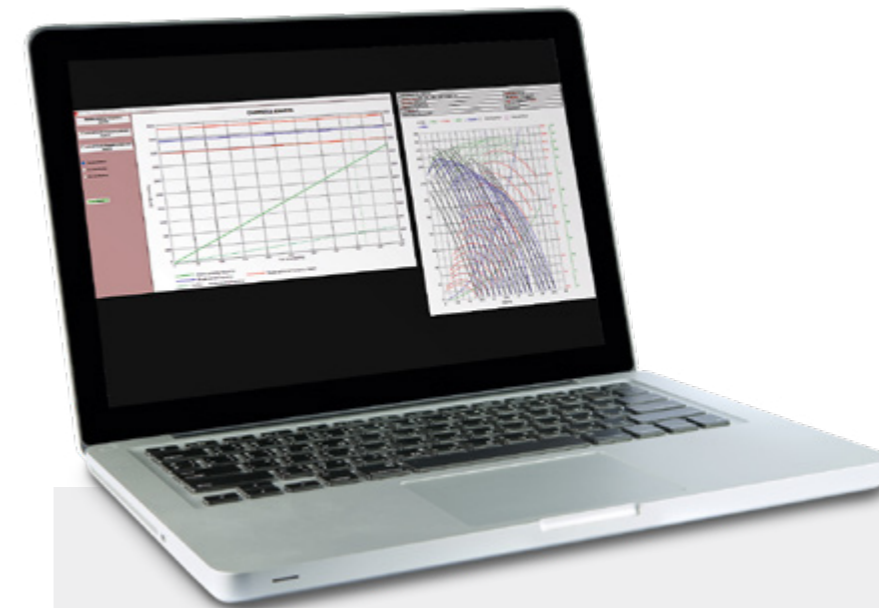
Silencers

Compact silencers with or without an ogive, delivering effective noise attenuation without compromising on performance.







Centrifugal Fans

Engineered for high-performance air movement, delivering superior pressure and reliability for demanding industrial and commercial applications.



Fan Selection Software

Where necessary, customers can apply Selfan to enable quick and precise fan selection.

	User Friendly	By inserting few technical data (temperature, air flow, static pressure, noise limit, etc.), Selfan will help the client's selection process by proposing the best solution for his application.
	Multiple Choice Selections	Fans can be sorted by price, diameter, efficiency, generated noise, etc., to ensure a greater range of choice.
	Dynamic Curves	Fan performance curves are tuned for the specific geometry of the fan application.
	Disturbances Analysis	Excellent pre and post sales support with assembly check, performance test and troubleshooting, services on-site an with the help of technical devices.

Marine-Grade Engineering for Demanding Environments

IVI fans are sought after and used where high performance in terms of air flow and pressure is required.

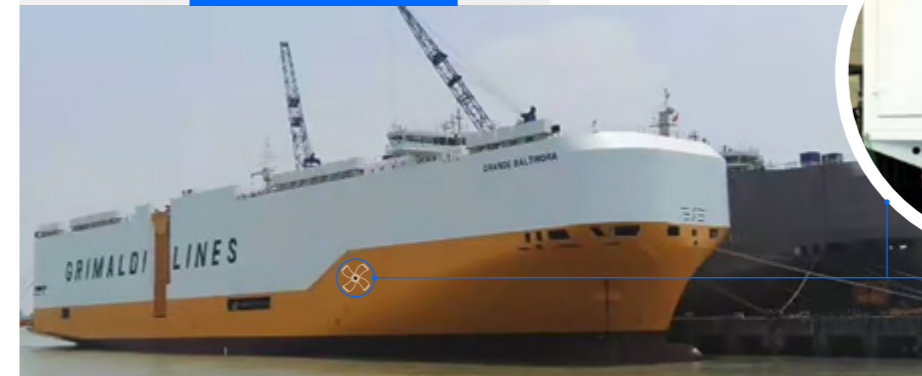
Extractors & ventilators for any technical room

Engine	Cargo
Generator	Auxiliary propulsion
Garage	Incinerators
and others	

Naval registers:

- RINA
- ABS
- DNV
- Lloyds and others

CARGO SHIP



Cargo Area

HVAC



Engine Room

LOGISTIC SUPPORT SHIP



RO-RO SHIP



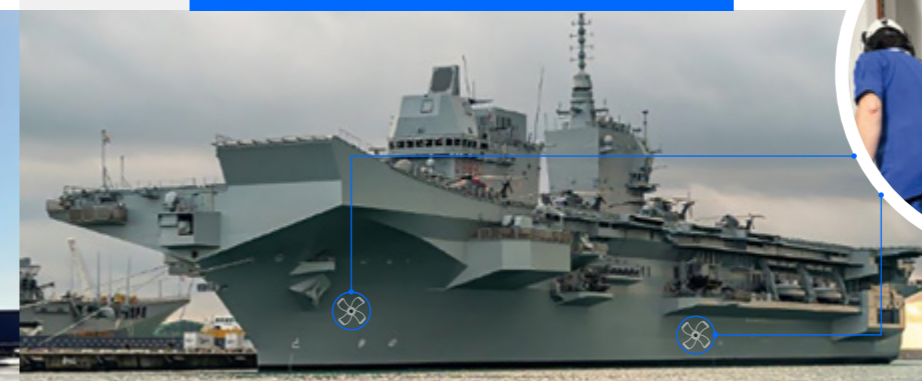
Garage

RO-RO CARGO SHIP



Garage

LANDING HELICOPTER DECK



Engine Room & Hangar

Your Global Partner in Mission-Critical Airflow Solutions



Cofimco Group

Manufacturing Excellence with a Global Footprint

IVI Fans' HQ is located in Avigliana, Italy, close to Turin (less than 40 km away from Turin International Airport).

Cofimco – Five Decades of Excellence

For over 50 years, Cofimco has been a leader in axial fan technology for industrial applications. We provide **tailored solutions** to major global corporations, specializing in **large-scale projects** across the extractive and energy sectors.

Renowned for **quality, innovation, and manufacturing excellence**, Cofimco is the trusted partner for industry leaders, delivering **advanced cooling systems and high-performance airflow solutions** worldwide.

IVI Srl

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