





Solutions for the Environment and Industry Since 1980

Enercon has been a key player in the industrial landscape thanks to turnkey, sustainable, and advanced solutions in the fields of **air pollutant aspiration and abatement** (*Air Filtration Systems Division*) and **industrial hydraulic systems** (*Hydraulic Systems Division*). The company operates across various strategic sectors such as the steel, metallurgical, mechanical, chemical, textile, food, automotive industries, and companies specialized in soil and water treatment.

The filtration systems ensure efficient air purification from **fumes, dust, and oil mist**, guaranteeing full compliance with European and local regulations on atmospheric emissions. Enercon also develops **special applications**, technical equipment, and specific systems that involve the integration of different plant technologies to meet needs that do not fall within a standardized sector.

Each project begins with a thorough technical analysis, followed by a customized design phase, and concludes with the installation and commissioning of the system. We offer staff training, post-sales support, and both routine and extraordinary maintenance to keep systems efficient and compliant with current regulations.

Our mission is focused on sustainability and environmental responsibility, energy and cost savings for our clients, and the well-being of workers by creating healthier work environments.

Today, Enercon is a benchmark in the field of **industrial air and fume treatment and industrial hydraulics**, developing innovative solutions aimed at:

- **sustainability and environmental responsibility**, with systems that drastically reduce harmful emissions;
- **energy and cost savings**, through heat recovery and consumption optimization;
- **worker well-being**, by creating safer, healthier, and more comfortable production environments;
- **global benefits**, contributing concretely to reducing companies' carbon footprint.

WE HAVE
INSTALLATIONS IN
40 COUNTRIES
WORLDWIDE.

Our strengths

- Quality
- Safety
- Experience
- Customisation
- Assistance
- Turnkey



Our product

Enercon is an Italian company with more than 45 years of experience in the design, construction, and maintenance of industrial installations. It operates mainly in the sectors of **air aspiration and atmospheric pollutant filtration** (*Air Filtration Systems Division*) and in **industrial hydraulic systems** (*Hydraulic Systems Division*), with a clear focus on environmental sustainability, energy and cost savings, and the creation of healthier working environments for employees.



OIL MIST ASPIRATION AND FILTRATION SYSTEMS



FUME AND DUST ASPIRATION AND FILTRATION SYSTEMS



ENERGY RECOVERY AND SAVINGS



INDUSTRIAL HYDRAULIC SYSTEMS



SPECIAL APPLICATIONS



MAINTENANCE AND POST-SALES SUPPORT SERVICES



OIL MIST ASPIRATION AND FILTRATION SYSTEMS

Oil mist causes significant issues during industrial processes: machine downtime, reduced equipment lifespan, increased maintenance costs, atmospheric emissions, health risks for workers, and fire and explosion hazards. We design and build custom oil mist aspiration and filtration systems, offering turnkey solutions that integrate advanced technologies and are ready for Industry 4.0. Solutions include capture hoods, mesh mechanical filters, electrostatic filters with programmable automatic washing, high-efficiency filters for air recirculation (energy recovery), flat or candle-type coalescence filters, and centralized systems.



FUME AND DUST ASPIRATION AND FILTRATION SYSTEMS

Fumes and dust are generated by numerous industrial processes that compromise worker health, environmental quality, and company productivity. We design and build tailor-made aspiration and filtration systems ready for Industry 4.0, using specific technologies for fume and dust abatement: bag/cartridge/pocket/activated carbon filters, scrubbers, calm chambers and gravitational separators, cyclone dust separators, acid fume neutralization with lime, bicarbonate, and activated carbon additives, regenerative thermal oxidizers for VOCs, cooling towers, and fire detection and extinguishing systems.



ENERGY RECOVERY AND SAVINGS

We don't just purify fumes—we turn them into an opportunity through energy recovery systems. Exhaust gases are harnessed via high-efficiency heat exchangers, reducing energy costs and enabling quick payback. We design and build custom air-to-air, air-to-water, and air-to-steam exchangers made of stainless steel to ensure durability and efficiency. Applications range from heating production areas and drying materials to producing hot water for sanitary and industrial use, and even district heating. These solutions are designed to deliver long-term sustainability and savings.



INDUSTRIAL HYDRAULIC SYSTEMS

We operate in the hydraulic, pneumatic, and oleodynamic sectors with certified welders in accordance with EN ISO 9606-1. We design, build, and perform both routine and extraordinary maintenance on cooling, recirculation, and filtration systems for primary and process water, wastewater treatment systems, hydraulic and lubrication systems, machine-side installations, distribution systems for gases, compressed air, technical gases and fluids in general, industrial piping systems, and revamping of existing installations.



SPECIAL APPLICATIONS

We are able to design and provide technical-constructive support to industrial operators facing specific or prototype plant engineering needs. These include equipment and systems that do not fall within standardized sectors and require the integration of different technologies, such as: custom metalwork for third parties, soil washing systems, land and water remediation, waste treatment and drying ovens including piping and metal structures, ladle cars for small furnaces, and special foundry equipment.



MAINTENANCE AND POST-SALES SUPPORT SERVICES

We offer a comprehensive service for routine and extraordinary maintenance of both our own and third-party industrial systems, with specialized personnel. We also handle the restoration and optimization of existing systems, offering annual contracts for scheduled maintenance and direct technical and post-sales support through our engineering office.

CERTIFICATIONS



ISO 9001:2015

International certification for quality management, ensuring structured processes and consistent results.



EN ISO 3834

Specific certification for welding processes, guaranteeing controlled methods and full traceability of operations. We employ certified **welders in accordance with EN ISO 9606-1.**



EN 1090

Certification that ensures compliance in the manufacturing and supply of steel and aluminum components and structures, meeting quality and safety requirements and requiring **CE marking.**



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