



Industrial Global Support

50 years of history in research and development of innovative solutions

A circular collage of industrial images, including refinery towers, distillation columns, and complex piping systems, all illuminated at night. In the center of the collage is a green circle with the white text "VED".

VED

Engineering Solutions

www.ved.it



Story

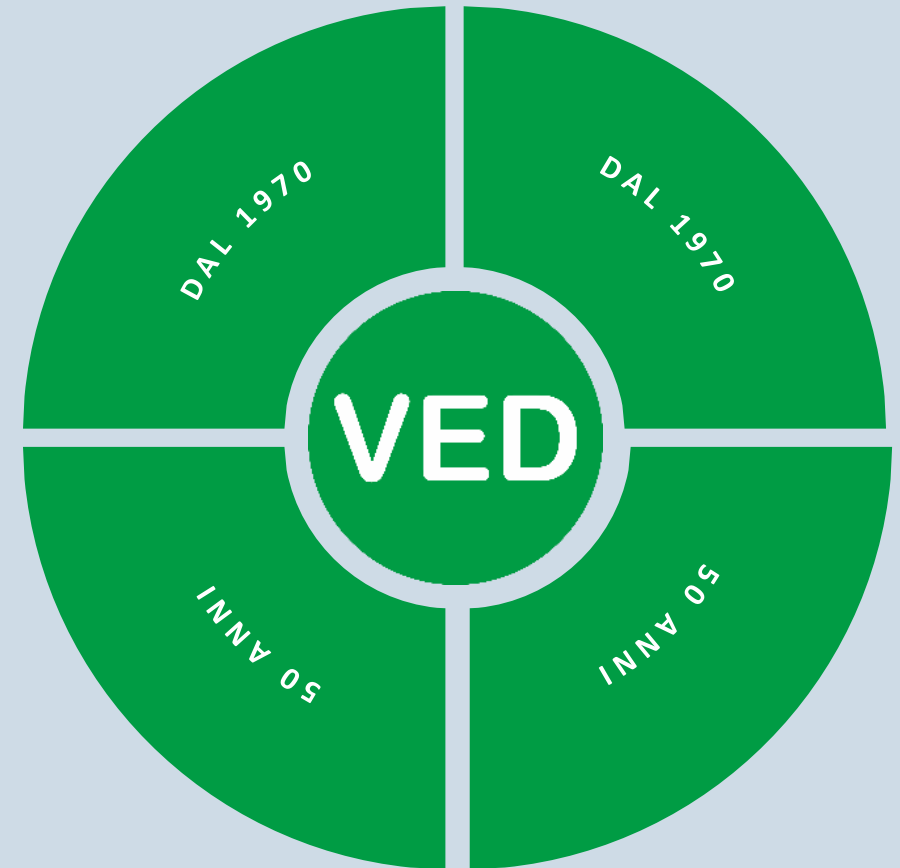
VED SRL

The Company has been present on the market for more than 50 years supporting the Italian industrial plants for the production and supply of industrial gaskets and for the production of GRP piping with the innovative Continuous **Filament Winding production cycle**.

Thanks to cooperation with international companies, we were the first Italian company licensed to provide innovative services for mechanical maintenance on site and for the elimination of leakage during the operating plants.

Certifications

ISO: 9001 | 14001 |



Organizational and Management Model

MODEL n. 231 | DLgs 231/2001

Human Resource Vision

VED has always focused on human resources skills



Innovators

Owner of patents of industrial innovation and cooperations with INAIL (SAFAP) for the issue of -Best Practice -



Project Designers

Engineering and R&D departments to establish solutions in accordance with the highest International Standards



Management Engineers

Care and management of ESG projects



Mechanical Engineers

Each single Mechanical maintenance Business Unit has an internal innovation engineering department



Computer science Engineers

VED whether in the past or the present rely on highly specialized internal resources for ICT infrastructures and for the creation of software applications



Phd in industrial Chemistry

High Level of expertise in management of sources of volatile chemical compounds to be registered for industrial plants



Company information



Employees

2022 ≈ 300 



Turnover

2022 → 25 Mln 



World Business

In more than 50 countries

Our Distributors

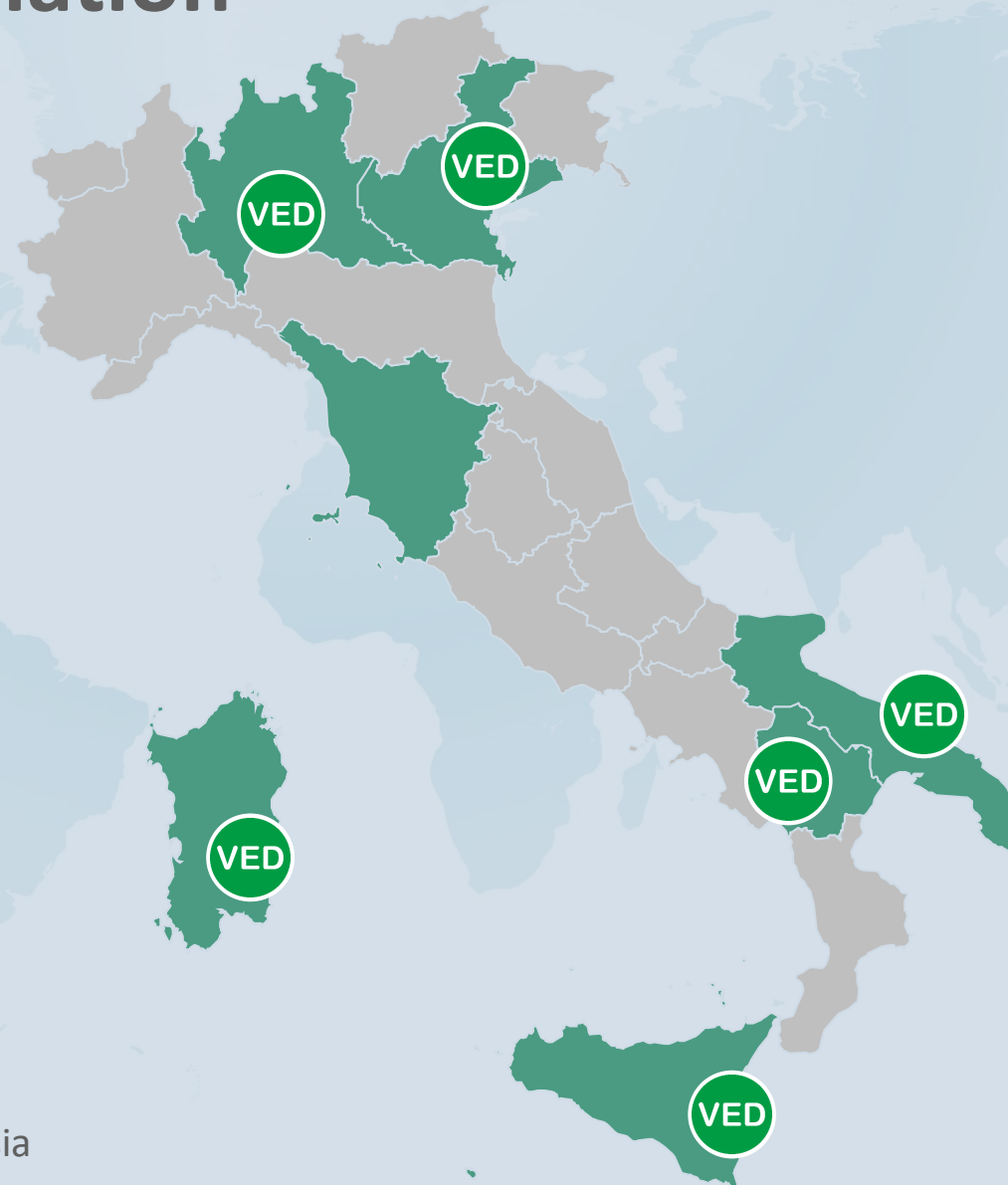
Saudi Arabia - UAE - Malaysia



Headquarter | Business unit |

Warehouse

- Priolo Gargallo (SR) • Brindisi (BR)
- Melilli (SR) • Taranto (TA)
- Casale Sul Sile (TV) • Milazzo (ME)
- Gorla Minore (VA) • Gela (CL)
- Assemini (CA) • Sannazzaro (PV)
- Viggiano (PZ) • Larderello (PI)



Business Unit

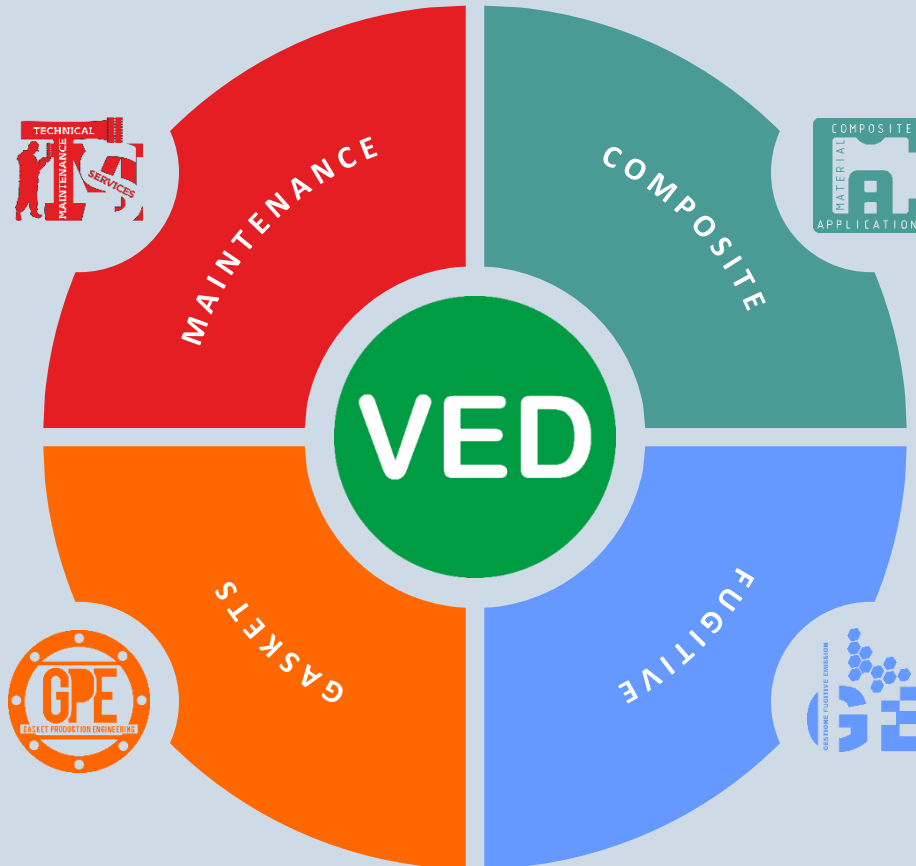
On-site Mechanical Maintenance

Specialist on-site interventions with operating plants or during shutdowns activities



Gaskets manufacturing

Study, research and development of patented sealing systems. Production of a wide range of industrial gaskets



Composite materials

Engineering and production of piping and structural reinforcement services on lines damaged by corrosion



Fugitive emission monitoring

L.D.A.R. Leak Detection And Repair
Confined space inspection with drone



Repair interventions **during ongoing activities**



Mechanical machining

boring, flange facing, grinding, milling,
shaft turning, drilling and tapping



Leakage Elimination

Interventions on bolted flanged joints,
valves, Yankee cylinders during the
operating plants



Torque control

FBS (Full Bolting Service) program for
improving the reliability of bolted flanged joints
with interposed gasket



EUREKA

Portable On-site Machines

Design and production of machinery for on-site
mechanical processing



Laser control

On-site dimensional checks,
measurements up to distances of 80
meters, with single point precision
equal to 0.002"



Pressurized holes

Drilling under pressure during the
operating plants, line stop, double
with By-Pass

Machining of Wind turbines Flanges

In the current energy landscape, wind energy represents one of the most consolidated and efficient renewable energy sources, with a growing demand for the installation of wind generators worldwide.

Bolted flange connections constitute one of the most common and critical mechanical joints within the support structure of a wind turbine.

EUREKA team designed and built a new orbital flange facing machine.

Here below some of the mechanical machining that could be made with SF8000:

- milling,
- turning,
- Groove,
- Adjustments.



SF8000 has been designed in order to process large flanges up to a maximum diameter of 8000 mm.



Composite Materials Engineering



Detailed engineering

Using specialised software in line with the highest international standards



Steel Recovery System

System for restoring piping and equipment and steel structures damaged by corrosion



Anticorrosive coatings

The solution to corrosive attacks typical during the processes of the chemical and pharmaceutical industries



Equipment

Design and construction of industrial equipment in composite and thermoplastic materials



Structures

Manufacturing of stairs, gratings, walkways, fences, parapets and special pieces



Pipes and fittings

Design and pre - fabrication of piping spools, and construction of plant sections [SKID] in GRP and thermoplastic materials



Gasket engineering



Camprofile

Gaskets made with a wide range of materials and dimensions for diameters up to 5000 mm with constant pitch and depth grooves or with convex grooves



Pressure seals

The autoclave seal gaskets (pressure seal) are specifically designed for use at high pressures and high temperatures



Flat gasket

Non-metallic flat gaskets are the most common among static gaskets. They are used in various industries and for a wide range of applications



PATENT ASP&ASG®

PLUGS and gaskets engineered to increase safety by eliminating the risk of damage to the air coolers during maintenance



PATENT WASHERS®

Designed in accordance with ASME PPC-1 ed.2019 with geometric and mechanical advantage such as to improve the reliability of the flanged joints



Spiral wound gasket

Spiral wound gaskets are manufactured with different types and combinations of materials in order to suit all technical applications



L.D.A.R. program **Fugitive Emissions**



Smart L.D.A.R.

Implementing of LDAR and Smart LDAR programs, consultancy, onsite training, development of a specific management software



Leakage monitoring

Identification and quantification of internal valve leakage through non-destructive inspections



R.I.C.S.

Remote Inspection of Confined Space.
Drone inspections for confined spaces



Inert gases inspection

Inspection and quantification of inert gas leaks



Odor Emission

Monitoring and verification of the environmental impact and the impact on the population of odorous emissions



Emissions in dumps

Monitoring of diffuse emissions in accordance with EA LFTGN 07 guidelines. Estimation of biogas production

The best solution to reduce risks and costs of inspections in confined spaces

Our drone is able to carry out inspections in complete safety, reducing the running time just taking up a space of 50 cm.

The anomalies identified during the inspection can be geolocated and represented on a 3D map of the inspected asset. The smart lighting system enables you to use slanting lights to inspect pin holes, deposits and corrosion, even in dusty environments.

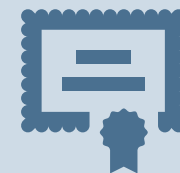
The advantages of Remote Inspection of Confined Space:

- Resets the risk of inspection activities in confined spaces.
- Lower the inspection costs related to managing high risks for personnel.
- Lower the inspection times due to the stability and strength of our system.
- our drone carries out careful documented inspections and fully replayable due to the synergy of the LiDAR + 4K camera + IR sensor systems.



Ensuring the total area coverage of inspection by combining the LiDAR technology with a high resolution optical based system.

References



PATENTS

The history of VED brings with it the satisfaction of having patented several innovative technological solutions to provide a more efficient service maintenance of pressure equipment



WASHER



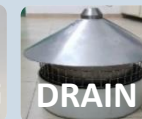
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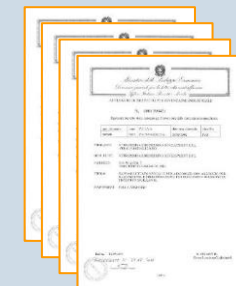
STP



ASP&ASG



DRAIN



L'Italia genera futuro

Le 1000 piccole grandi imprese campioni del Made in Italy.

Main goals

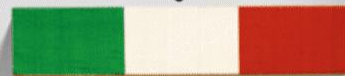
2023 Awards



CONFININDUSTRIA

Competitiveness Bonus

Ability to evolve and improve
without ever losing the
fundamentals of their identity



impresa
champion 2023

italypost |



Industria Felix

Fiscal Honorary title
Industria Felix Award

VED

Thank you for the attention



www.ved.it

VED Srl

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