



YOU NEED, WE MAKE



Engineering and
manufacturing of
**S&T Heat Exchangers
and pressure
equipment** _ since 1973



“ **High skills and accuracy of details** at all stages of the production process



Special materials as a distinguishing feature of OVS production	
Copper Nickel Alloys	Cladded steels
Naval Brass (C46400)	(Cladded CS, cladded Low alloy steel, cladded SS)
Copper Nickel (C71640)	
Admiralty Brass (C44300)	Stainless steels
Aluminium Brass (C68700)	321
Aluminium Bronze (C63000)	317L
Copper Nickel (C70600 & C71500)	304/L
Alloy 20 (N08020)	316/L
Alloy 31 (N08031)	316 Ti
Monel 400 (N04400)	310NAG
Sanicro 28 (N08028)	Alloy 904L
Inconel 625 (N06625)	Duplex S32205
Hastelloy C-22 (N06022)	Duplex S31803
Hastelloy C-276 (N10276)	Duplex S32906
Hastelloy C2000 (N06200)	Super Duplex S32750
Nickel 200 & 201 (N02200 & N02201)	Hyperduplex S32707
Incoloy 800 & 825 (N08800 & N08825)	6% MOLY (254 SMO, 925, 926)

For 50 years, OVS has been successfully meeting the needs of the international market, which is highly demanding in terms of solutions and construction choices. Through its constant commitment, the company boasts a highly specialised, efficient organisation and production process, made up of synergies capable of producing excellent equipment, relevant and complex projects that win the trust of customers all over the world.



Engineering



Welding

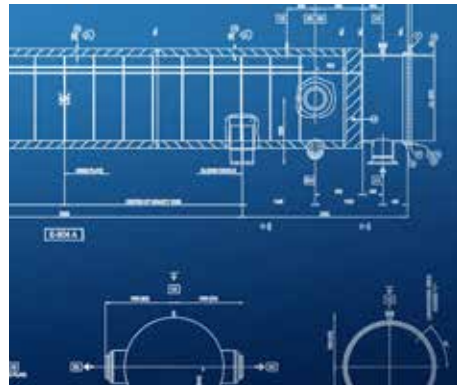


Quality control



Spare parts





Engineering

- Mechanical
- Thermal and structural
- Construction drawings
- Fatigue analysis
- Wind and seismic
- 3D design
- Design by analysis (FEA/FEM)
- Design by Formula
- Mechanical solutions for critical services
- Improved mechanical design
- Optimisation of thermal design data



Design and Construction

Directives

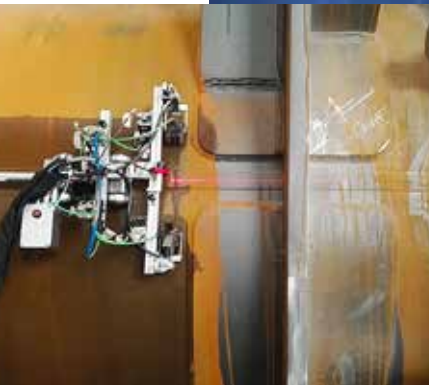
- PED
- ATEX

Codes

- ASME VIII Div. 1 & 2
- EN 13445
- PD5500
- AD2000 Merkblatt
- AS 1210
- GB 150

Standards

- GOST
- IBR
- API
- TEMA B+C+R
- HEI
- ISO
- NACE
- DIN



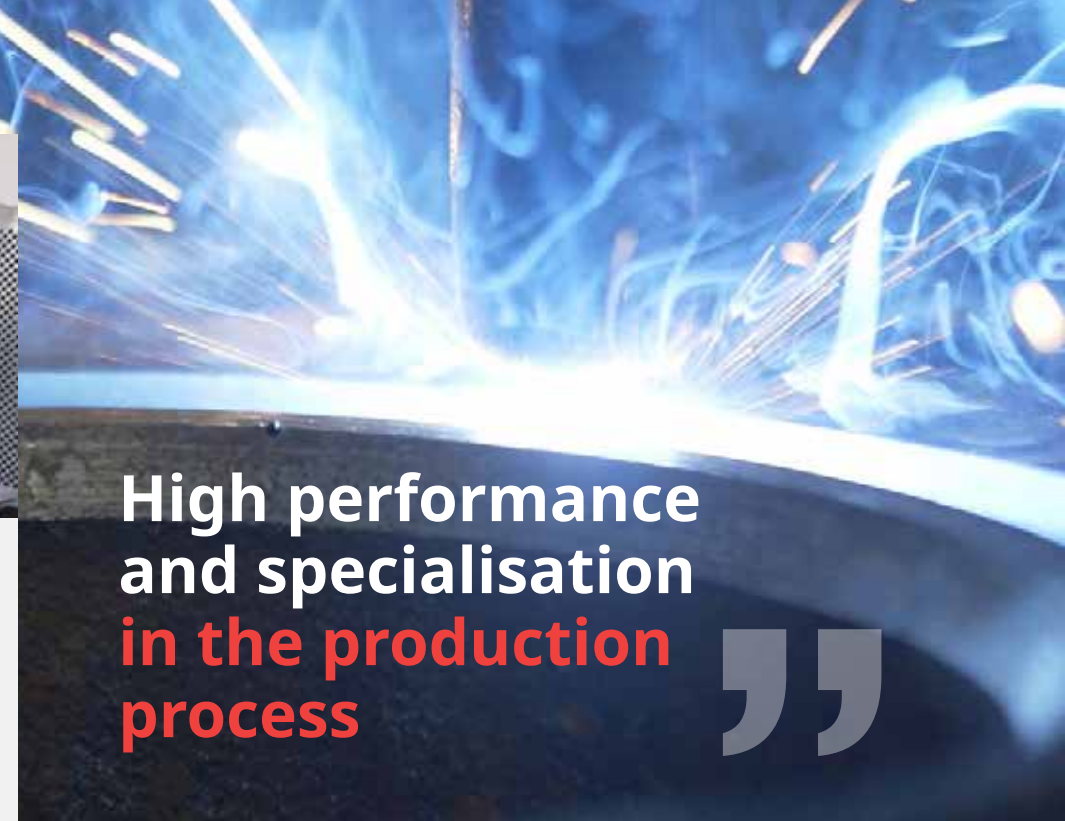
CND Quality Control

- Internal Supervisor Level III
- Internal department for NDT execution with qualified operators Level II
- TOFD / P.A. control instrument
- Internal bunker equipped with RX machine



Revamping

- Tube bundles
- Equipment components
- Spare parts



High performance
and specialisation
in the production
process



OVS offers its customers
extra services of great added value



Automatic and Semi-Automatic Welding

- Internal IWT Technologist (qualified by IIW)
- Internal welders qualified to UNI 14732, 9606 & ASME IX
- Polysoude machines fleet for tube to tubesheet welding
- ESW plant for anti-corrosive welding applications
- PLC-controlled GTAW hot wire plant



Engineering consultancy

Engineering consultancy for process modernization and performance improvement.



Fast track

At the customer's request, OVS can guarantee fast track deliveries for heat exchangers and pressure vessels.

Thanks to flexible internal management, fast delivery orders benefit from an unconventional approach on delivery times.



Outsized equipment

Possibility to design and manufacture oversize equipment with international transport facilitations guaranteed by a production site located close to the Italian seaport of Marghera (VE).



We proudly serve various industries

including chemical, petrochemical, food and pharmaceutical, oil & gas and fertilizer plants with special regard to the emerging green transition industries. Other than Italy, our products are installed in others areas of the world: Europe, Middle East, America, Central Asia and Far East.



Green transition industries

- CCS
- H2
- Waste-to-energy
- Waste-to-chemical



Chemical

- Ethanol
- Lythium
- Methanol
- Melamine
- PTA Purified Terephthalic Acid
- Sulphuric Acid
- Polysilicons
- MDEA
- Caustic Soda evaporation unit
- Concentration & flaking unit
- ABS
- EVA
- HDPE / LDPE
- PVC
- Phenols
- Olefins



Refinery

- Residue Upgrading Project (RUP)
- Refinery Expansion Project (REP)
- Ethylene Oxide
- Clean Fuel Project (CFP)
- Debottlenecking Fractionation HCK
- Eco-Diesel
- Biofuel
- FCC units (*FCCU – Fluid Catalytic Cracking Units*)
- Deasphalting
- Flare Gas Recovery unit



Fertilizers

- Urea
- Ammonia
- Nitric Acid
- Ammonium Nitrate
- Potassium Hydroxide
- Potassium Solphate



Oil & Gas

- Gas Field Development / Expansion
- FPSO
- LNG
- Fuel gas treatment
- GTL
- IGD



OVS presence
worldwide by type of plant



→ www.ovsspa.it

adok.agency



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