

## Press Release

# High pressure LNG pumps for the marine sector

*Since 2021, Vanzetti Engineering has been increasing the supply of VT-3 reciprocating high-pressure cryogenic pumps for the marine sector in response to the technological evolution of engines with a view to sustainability and greater efficiency.*

*Cavallerleone, April 2022* – Vanzetti Engineering has significantly increased the supply of its high-pressure pumps for the marine sector in response to the increasing demand for this type of product for marine engine fuel supply systems. Since 2021, the number of orders for VT-3 reciprocating high-pressure cryogenic pumps has increased considerably. This is due to the new market trend towards high-pressure systems, especially for large methane-powered vessels such as container ships, bulk carriers, gas & chemical carriers and car carrier ships.

As confirmed by Federico Buono, Vanzetti Engineering's LNG Marine Sales Manager: *"more and more new ships are using methane engines for their propulsion system and in particular those with high-pressure systems. This is a reversal in trend compared to a few years ago, when low-pressure systems were more common"*.

### **More efficient and more sustainable engines**

This new trend in recent years is linked to the technological development of engines with a focus on sustainability and greater efficiency. Today, large ships are fitted with high-pressure two-stroke MAN MEGI engines and therefore require the Duplex, Triplex or Quintuplex versions of the VT-3 reciprocating cryogenic pumps.

*"Vanzetti Engineering was already supplying high pressure pumps for the marine sector in 2019. However, if up until 2020, 90% of the cryogenic pumps sold for this sector were low pressure pumps (maximum 20 bar), from the start of 2021, orders for high-pressure pumps (maximum 350 bar) have increased considerably, to the point that today, 50% of orders are for high-pressure pumps and 50% for low-pressure pumps",* explains Federico Buono.

From 2021, Vanzetti Engineering has supplied a large number of skid-mounted VT-3 Duplex and Triplex pumps for over 30 ships with high pressure fuel systems, to customers located in various geographic areas, in particular China, Korea, Singapore and Norway.

### **Safety, reliability and low maintenance**

Vanzetti Engineering's VT-3 reciprocating cryogenic pumps, which evolved from the previous VT-55 model, come in Simplex, Duplex, Triplex or Quintuplex versions depending on the flow rate required and have a maximum pressure of 420 bar. The VT-3 model is the ideal solution in terms of performance, safety, reliability and low maintenance requirements and can be provided on a skid with all accessories including sensors, instrumentation and valves for a safe and reliable control of the pump.



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