

Delivering future solutions today.

Global Expertise

In a challenging industry, where economic, environmental, and safety constraints are ever present. Vos Industrial deliver a complete solution to help alleviate these issues.

We are able to recover product, reduce waste, and reduce man-entry. Whilst simultaneously, reducing the execution duration by 60%.

"It's time to deliver a true, safe and sustainable approach to our industry".

Products

- Crude Oils
- Heavy Fuel Oils
- Tar / Bitumen
- White Oil

Tanks

- Floating Roofs
- Fixed Roofs
- Spheres
- Buried

Product Recovery

Our unique solutions are able to liquify heavy sludge and solid deposits, resuspending into a pumpable state. This enables recovery of perfectly good product.

- Our additives are hydrocarbon derived and are perfectly miscible with the storage and refining processes.
- Recovery of up to 80% or greater in 2 weeks.
- Results guaranteed by sludge analysis and profile mapping.

Our goal is to deliver a true sustainable solution to all terminal operators and refineries.



Shemical cleaning

A unique process that allows cleaning without man entry.



Non-man Entry Cleaning

Introducing our complete suite of non-man entry systems for tank cleaning.

- RIN (Resuspension Injection Nozzles). Being able to pin-point heavy deposits to liquify them. This system delivers the most efficient means of resuspension.
- **ROCCS** (Remote Operated Cleaning Cannons), This is a perfect application when used in combination with our resuspension process and our cleaning agents.
- **Resuspension Cannons** (Side mounted), When the roof cannot be utilised, then these cannons can be installed. Providing a solution for your problem tanks.
- The 360° spinning head. This system is at the core of our chemical cleaning process and is a simple set up (smaller tanks <30mtr Diameter).

"An overwhelming 86% of survey respondents expressed a preference for 100% 'no man entry' tank cleaning at their terminal."

Published in Hydrocarbon Engineering Feb 2021

/aste Minimisation

Our objective as with all our applications, is to minimise the waste output.







A designed approach for each individual tank:

- Sludge and volume analysis
- Laboratory tests
- And an engineered solution

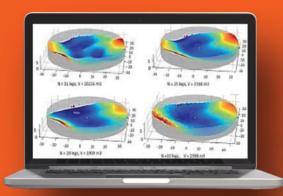
It's all these small things, which help deliver success. A measurable operation, that can count towards your sustainability & carbon footprint KPI's.

We are able to achieve a reduction of waste by 80% or more. Thus removing the largest cost element of tank cleaning.

Supported services

To aid our portfolio of services, we have partnered with some companies who lead the world in their disciplines.

- Ultrasonic Sludge Profiling.
- On-line tank floor inspections.
- On-line Tank seam inspections.
- Tank and Vessel Degassing



All with a common goal:

ZERO MAN-ENTRY

"Let us engineer a solution for you!"

Contacts

- United Kingdom: shane@vosind.com, +44 7960858188
- France: yann@vosind.com, +33 782021090
- Technical Engineer: perry@vosind.com, +44 7908874736
- Chemical Engineer: henk@vosind.com, +31 622214462





