

Tank Cleaning



**Minimal waste disposal costs.
Reducing downtime.**

Veolia is committed to delivering innovation through technology, and importantly, in technical solutions which improve efficiency and reduce risks – enter robotic cleaning – a safer, more cost-effective and time-efficient solution.

INDUSTRIAL SERVICES

TANK CLEANING

Veolia has developed an innovative direct injection process for tank cleaning, providing you with major savings in the form of full product recovery, minimal waste disposal costs and minimal downtime. Not only does this enhance waste reduction, but it minimises many safety and environmental hazards associated with cleaning the interior of tanks – a typically harsh environment.

Our expertise in tank cleaning goes beyond our advanced technology, emphasising the critical elements of professional project planning and management, with detailed strategic planning, engineering, safety protocols, onsite process controls, training and experience at the core of our service.

We are capable of cleaning almost any type of tank, including crude, fuel and slop oil, asphalt, wastewater, gasoline, sour water, benzene and more, and we now operate multiple tank-cleaning kits, reinforcing our team as an industry leader.

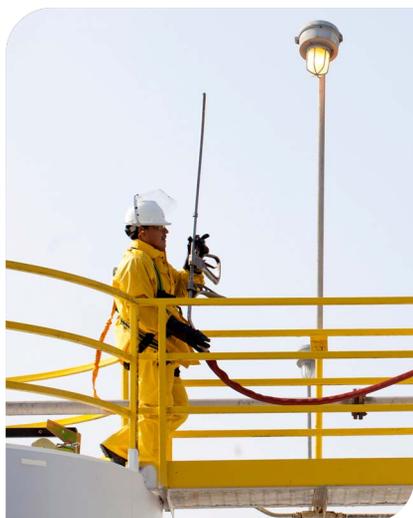
ROBOTIC TANK CLEANING SOLUTIONS

Manway Cannons: The Manway Cannon method developed by Veolia is the safest, most environmentally friendly solution for the internal cleaning of storage or crude oil tanks of any size.

The Manway Cannon forms a unit consisting of a cleaning nozzle, infrared lenses, video camera and searchlight, mounted in a cleaning opening of the tank. Controlled from a mobile control room with a self sufficient energy supply, the flexible cleaning cannon can flush out any point in the tank with water or some other medium. A hydraulic pump generates the required pressure.

Hydro Dozer: The dozer is a hydraulic driven small dozer which can be easily disassembled and used in a number of applications. This robotic application, with remote control station, allows the tank to remain online whilst sludge removal occurs and is ideal for removing slurry and bulk product inside a tank, open top tank or pond area; is very effective in a submerged state; and negates the need for manned entry and human exposure to sludge. Together with a progressive cavity pump, the Hydro Dozer is capable of harvesting up to 90m³/hr. of sludge.

Centrifuge: The state-of-the-art centrifuge application is generally applied to the recovery of oil from crude oil tanks. The centrifuge works by spinning a stainless steel drum whilst simultaneously introducing the contaminated oil, and within this spinning, gravity is increased 100 times. Aided by the possible heat and flocculants, the oil and water become separated.



BENEFITS

- **Increased workplace safety** – Services are delivered at the highest safety standards
- **Downtime is minimised** - The latest in technology and our highly trained operators deliver improved cleaning times
- **Improved efficiency** - Keeping equipment clean and contaminant free ensures optimal operating conditions
- **Minimal environment impact** - Reducing the waste generated as part of the cleaning process.

Want to learn more about how we can support your business goals through Tank Cleaning, please contact us on:

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