

## Discover Mourik

Infrastructure

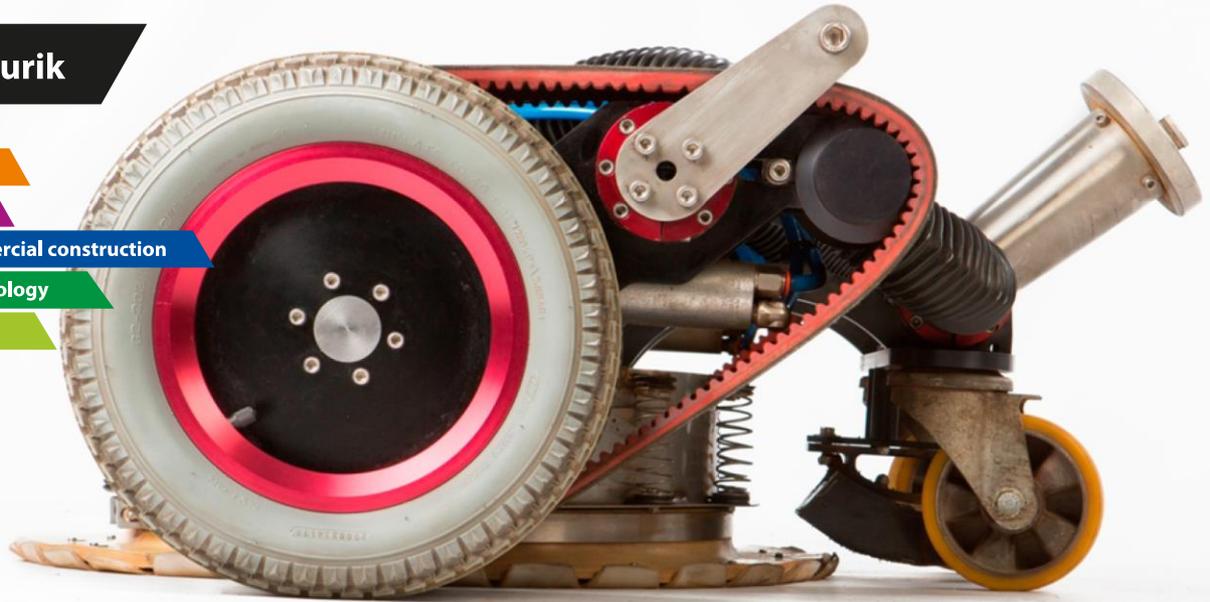
Industrial services

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Project development



# Magnetic Crawler



**The Mourik Magnetic Crawler cleans faster, cheaper and safer**

**Do you find the grit-blasting of steel surfaces cumbersome, time-consuming and expensive? Do you need to remove paint, rust and dirt from walls and flooring (including concrete)? Do you want to increase productivity, and reduce the cost of your industrial maintenance and cleaning?**



▲ The inside of tanks can be cleaned as well as hydrojetted

Then it is time to meet the Mourik Magnetic Crawler. This revolutionary cleaning robot manoeuvres with ease around the steel surfaces of storage/transshipment tanks, ships and buildings thanks to its permanent magnetic wheels. In addition, it cleans surfaces 50% faster than conventional grit-blasting techniques using water.

You will be familiar with the use of grit-blasting for industrial cleaning. Grit is forced against the surface using compressed air, causing a lot of dust. To vacuum the dust effectively the object must be encapsulated completely, which often necessitates scaffolding. In short, a time-consuming and costly business. At Mourik, we find it extremely expensive, and set about developing a better way: the Magnetic Crawler. The Mourik Magnetic Crawler is the solution for anybody who wants to perform industrial cleaning quickly, safely and at a lower cost.

# Magnetic Crawler



▲ The outside of a tank is hydrojetted, with the waste water collected by a vacuum unit



▲ A pendulum arm increases the cleaning range of the Magnetic Crawler

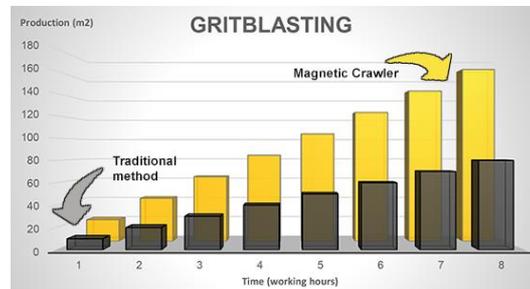
## How does the Mourik Magnetic Crawler work?

The Mourik Magnetic Crawler is an electrically-driven hydroblast cleaning robot, that 'sticks' to steel surfaces (walls) with its magnetic wheels. With an adjustable operating pressure of up to 2,500 bar, the robot is capable of cleaning up to 20m<sup>2</sup> per hour. Thanks to the ultra-high pressure, surfaces are cleaned to the finest detail. If desired, waste water can be extracted immediately with a vacuum unit, protecting the environment from contamination. The vacuum nozzle directly extracts used water to a vacuum unit for a dust-free, intensively cleaned finish. This spraywater can pass through a filtration system and reused, resulting in less waste. Because the robot is magnetic scaffolding is not required, saving on erection and dismantling costs.

The Mourik Magnetic Crawler is suitable for almost every environment, even in an ATEX Zone 2 (a potentially explosive area). Do you want to find out more about how the robot can offer a perfect cleaning finish for you? Call or email us for a free consultation.

## Fast

The Mourik Magnetic Cleaner reduces the throughput time by 50% compared to conventional cleaning techniques with gritblasting.



## Safe

The operator of the Mourik Magnetic Crawler is 'out of the line of fire' during cleaning. There is no airborne dust, no need to work at height, and the Magnetic Crawler can be controlled remotely. The system complies with ISO 8501 for drycleaning and ISO 8503 for wetcleaning.

## Reduced costs

If you want to reduce the cost of maintenance work, the Mourik Magnetic Cleaner is the answer.

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