

The Detoclean service

REYM is a Total Care service provider in the field of industrial cleaning, waste management and transport. Total Care stands for qualified staff, cost efficiency, safe implementation, one point of contact and a sustainable client relationship.



Does your industrial facility require a cleaning but are you deterred by a complete operational standstill? Detoclean® provides the solution for all these issues. By using a patented detonative cleaning system, we clean your industrial installation without an operational standstill! Detoclean® ensures a flexible, tailor-made solution without operational standstill, in a quick, environmentally-friendly, cost-saving and - obviously – a safe manner.

Detoclean® is part of REYM B.V. and is specialized in detonative cleaning industrial installations. For this cleaning system, a technique is used that is developed in Switzerland and is based upon a detonative gas mixture. Detoclean® has been holding an exclusive Benelux license for this technology since 2002.

Since then, Detoclean® has seen a strong growth, and our cleaning technology is applied to various of installations:

- Waste to Energy plants
- Biomass power stations
- Melting facilities
- Sludge incineration
- Coal stations
- HRSG and CCGT gas power stations
- Electro filters
- Spray reactors /Absorbers

The technique

The Detonative cleaning system involves igniting a balloon filled with a gas mixture in the contaminated area of the installation. The balloon is inserted into the installation by means of a lance or balloon holder. The lance is connected to a control unit. Subsequently, the balloon is filled with the gas mixture and ignited after a predetermined period of time. The number of detonations required to ensure an optimal result depends on the size of the installation and the nature and degree of contamination.

Why online Detonative cleaning?

When applying this technique, there is no need to shut down the installation (so called online cleaning), which means that the installation does not suffer any loss of output. In addition, thanks to the effectiveness of the technology, the number of unplanned or planned shutdowns is reduced. It should also be pointed out that a gas mixture is used rather than explosives.

All in all, this technology ensures the following benefits:

- Online / offline cleaning
- A safe and fast process
- Skilled, certified teams
- Substantial savings
- No additional permits from authorities required *
- No storage of explosives on the plant during cleaning

* This technique is not subject to the law of explosives.

Additional techniques and products

Camera's

In addition to the advanced cleaning technique, Detoclean® also have various types of cameras for online monitoring the installation e.g. to establish the degree of contamination or accretion on or between bundles. Our infrared cameras are air-water-cooled and can be used at temperatures between 400 and 1200 degrees Celsius, to a maximum depth of 3m.

All cameras are connected to a monitor so that the client can watch the inspection. The images are recorded and made available to the client by Detoclean.

Explosion cleaning

If the circumstances require, we also provide the facility of cleaning by means of conventional explosives. For example, in places that are difficult to reach or where the degree of contamination is too high.

If you have any question concerning Detoclean® or would you like to know what we can do for your organization, please contact us. Our employees will be pleased to help you.

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