



Chemical Cleaning

The Innovative, Green Alternative

Increase process and pipeline productivity with Intero's decontamination and chemical cleaning services

Chemical cleaning and decontamination is the preferred method for removing unwanted containments in pipelines, process equipment and entire process units. We understand that a highly efficient and effective cleaning operation is critical for pipeline and process productivity with maximum care and safety for the environment. Intero offers a range of innovative and tested decontamination and chemical cleaning products and is able to offer customized solutions through our sampling, testing and chemical cleaning development program. We know your space and understand your challenges.

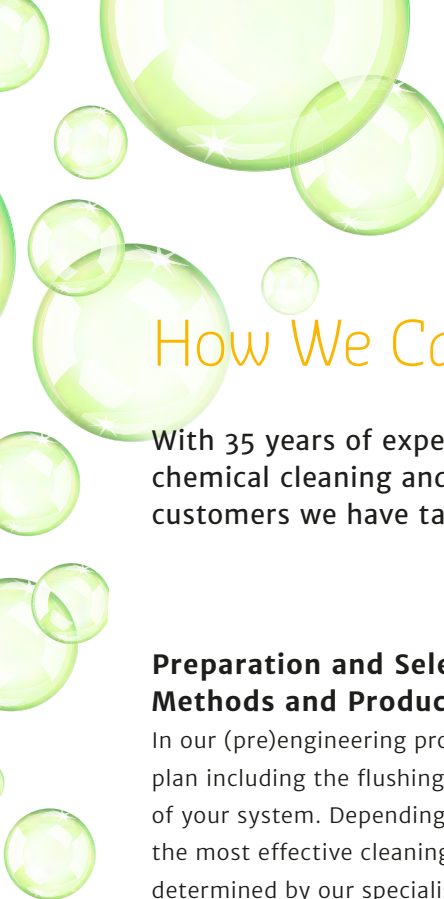
Your Challenges

Chemical cleaning and decontamination of process and pipeline systems is a highly specialized activity with the following challenges:

- Selecting the right cleaning approach and products, specially for difficult to clean assets
- Hazardous free and Ecofriendly cleaning products
- Managing multiple contractors involved in pre-engineering, mechanical, cleaning, temporary storage, waste disposal, commissioning activities
- Minimizing and eliminate costly waste streams, post treatment or separation and temporary storage on site
- Fast and lean operation reducing downtime

Advantages of Choosing Intero

- Intero offers a complete integrated solution
- Specialist advice to select the best solution
- Customized cleaning products for difficult to clean situations
- Pre engineering and project management included
- On-site laboratory and sampling support
- Eco friendly and hazard free Safeguard Green delivers a complete clean and hydrocarbon free system



How We Can Help

With 35 years of experience in providing industrial services Intero has developed a unique chemical cleaning and decontamination services portfolio. In close cooperation with our customers we have tailored our services adding maximum value and eliminating challenges.

Preparation and Selecting Cleaning Methods and Products

In our (pre)engineering process we develop the cleaning plan including the flushing packs covering all areas of your system. Depending on the type of pollution, the most effective cleaning technique and product is determined by our specialists. Effectiveness, safety and care for the environment are critical aspects in this selection process. Intero operates a range of custom made and commercially available cleaning products.

For difficult to clean or (partially) clogged assets we have the capability to customize a cleaning solution in our laboratories. Share with us your challenge, and together with our experts we will explore and develop a solution.

Hazard Free and Eco-friendly Chemical Cleaning

Intero's Eco friendly decontamination product Safeguard Green is 100% made of natural products and therefore biodegradable. It is typically mixed with water and circulated through the system up to the point that the cleaning fluids including left-over hydrocarbons and contaminants are emulsified and can be flushed and drained out of the system.

This proven Eco friendly and hazard free product is as effective as conventional methods but eliminates costly waste streams and also costs for post treatment or separation on site, temporary storage and special transport and storage requirements.

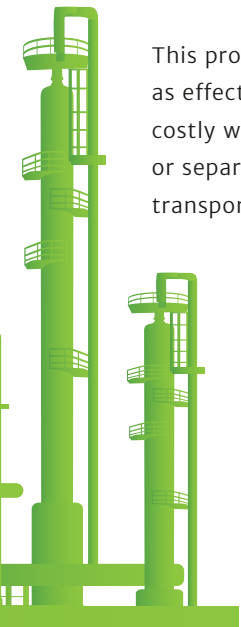
Single Contractor Turnkey Solution

Intero has the capability to provide an integrated turnkey solution avoiding multiple contractor interfaces improving efficiency and communication. This includes (pre) engineering, cleaning, storage, waste disposal, drying, leak and pressure testing and project management.

Minimizing and Eliminating Waste Streams

Selecting the best cleaning solution is always focused on minimizing or even eliminating waste streams. With Intero's unique Eco friendly and hazard free Safeguard Green this can be realized with similar or better cleaning results as conventional products. Reducing downtime

Smooth, excellent and efficient cleaning operations will minimize downtime. This starts with a well developed cleaning plan and selection of the most effective cleaning products. Intero's services include this (pre) engineering activity. On-site we operate a lean, easy to rig-up equipment concept with a mobile test lab for fast sampling providing quick feedback during cleaning operations. Combining effective cleaning products with a lean execution approach will result in minimum site downtime.



Inside Intero

Intero Integrity Services is the leading specialist for keeping complex oil, gas and petrochemical facilities clean, safe, well maintained and highly productive.

Our unique range of industrial, inspection and environmental services maximizes your asset availability. Turnkey. Innovative. Optimized. We know our customers' space and, like you, we care passionately about our environment.

We listen to customers constantly, so we understand what's important to them: highest possible performance, protection and predictability.



Intero Integrity Services
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