

Services for a Clean Environment



LOBBE®

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1. Mission

- › We are an essential part of our industrial and consumer society which uses natural resources and generates substantial waste every day.
- › Being a catalyst within the circular economy and industrial services, we care for mastering these challenges by responsibly disposing of waste and pollutants and returning recyclable materials back into the cycle.
- › Therefore we consider our company as an important element in people's everyday life and for the production chain of companies.



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5. Lobbe Business Units

- 01** Waste Disposal
- 02** Industrial Services
- 03** Sewer Technology
- 04** Spill Management
- 05** Site Clean-up



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3. Industrial Services



Safety for people, operations and the environment

for commercial and industrial companies

Expertise and Adaptability for Dependable Processes:

Specializing in the cleaning and maintenance of large-scale industrial facilities our industrial services team is faced with challenging working conditions. This includes tasks such as high-pressure water cleaning, advanced tank cleaning procedures, utilization of pneumatic conveying systems, and chemical industrial cleaning.



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3.1 Industrial Services

Safety and automation

Man and machines in harmony

We leverage innovative technologies to minimize potential risks. This applies to automated processes keeping our specialist staff out of potentially hazardous areas and to our modern protective equipment. We are committed to continuously investing in the safety of our employees. Hereby we cultivate a work environment where safety and productivity go hand in hand. With our experienced and comprehensively trained specialist staff, our technical expertise, and our high level of flexibility we are able to execute projects efficiently and as quickly as possible considering all relevant safety requirements.





3.2 Industrial Services

Chemical industrial cleaning

We provide tailored solutions to meet the most stringent demands of industry. Utilizing cutting-edge technologies and a seasoned team of experts, we prioritize cleanliness and operational efficiency within your facilities.

- › Lobbe's industrial services specialize in cleaning production facilities across sectors including chemical and mining industries..
- › Our methodologies uphold rigorous standards of occupational safety, ensuring process stability and transparency.
- › Industrial chemical cleaning adheres to meticulously defined procedures and process controls, minimizing the need for extensive dismantling work.





3.3 Industrial Services

Catalyst service and reactor cleaning

With our services for refineries and chemical plants, you can minimize downtimes in your plants and optimize the availability of your production facilities.

Our services for fixed-bed reactors:

- › Planning and consulting
- › Determining the scope of services and budgeting
- › Organization of logistics and transport, containers and auxiliary materials
- › Opening and closing the reactors
- › Emptying by means of gravity or special air conveying system under nitrogen
- › Continuous monitoring and recording by Life Support system
- › Disassembly and assembly of internals
- › Repairs and inspections
- › Sieving of the catalytic converter
- › Various filling methods such as sock or dense loading
- › 100% in-house personnel

Internal cleaning of the tubes:

- › Inspection of the tubes
- › Various filling methods for gentle insertion of the catalyst
- › Single-channel or multi-channel DeltaP pressure difference measurement



3.4 Industrial Services

Automated high-pressure cleaning



Automated HD cleaning is no longer a vision. With two innovative developments, Lobbe has broken new ground:



Remote Lance Worker

The Remote Lance Worker is a remote-controlled device designed to extend the capabilities of human operators, allowing them to perform high-definition work without direct manual intervention. Operators can control the device from outside hazardous areas, either wirelessly or through wired connections, ensuring continuous operation. The carrier system supports a wide range of working positions, including unconventional ones.

Robotized Lance Frame

Computer-Aided Cleaning System for Pipes, Heat Exchangers, and Small Parts. Our system is designed to clean pipes, heat exchangers, and small parts using computer-aided technology. Specialized personnel handle the technical setup and configuration, overseeing the cleaning process remotely. This system is ideal for applications including heat exchangers with up to 30,000 tubes, offering comprehensive cleaning solutions tailored to industrial needs.

-  Reduced downtime and extended production cycles
-  Improved process reliability and efficiency

-  Enhanced safety standards
-  Consistently high cleaning quality