

2024



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## UNDER CONSTRUCTION

Transport company Van Ziel in Geldermalsen is constructing a brand-new facility, including a four-bay tank cleaning station. Two bays will be designated for chemicals and two for food products.

The same layout is being built at Murphy Transport in Cork, Ireland. Werther Logistik in Uelzen, Germany, is constructing a climate-controlled warehouse alongside two food product bays. With various renovations and expansions on the horizon, we have a lot to keep us busy. 🚧

# BOUNDLESS GROWTH AND INNOVATION

**As Gröninger, we refuse to remain stagnant. As we push boundaries into Oceania and expand globally, we are also fortifying our service provision and innovation.**

With the introduction of our SmartFix App, the launch of our Maintenance & Management module, and the forthcoming release of our revamped customer portal, we are taking strides to serve our customers even better.

Recently, we have executed complete upgrades for esteemed clients such as Van de Brug and cotac in the Netherlands, while also completing new construction projects at Truck Wash Breuna in Germany, Dor in Israel, and DCI Walnut & Chalmette in the United States. Additionally, we are delighted to

announce the construction of a tank cleaning facility for Mainfreight in Auckland, New Zealand, and the establishment of an automatic IBC cleaning in Sydney, Australia.

In addition to the numerous completed projects detailed in this magazine, many projects are still 'under construction'.

Welcome to Gröninger, where we elevate 'Cleaning your world' to new heights. 🚧







# GREEN, GREENER, GRÖNINGER

## Gröninger embraces sustainability with the Volkswagen ID. Buzz

Our fleet has recently been expanded with the new Volkswagen ID. Buzz. This electric commercial vehicle fits perfectly with our aim to contribute to a cleaner and greener future.

This investment is a tangible proof of our commitment to sustainability and the reduction of our ecological footprint. As a company that constantly strives for innovation and progress, we believe it

is our responsibility to not only clean our customers' environments but also to improve our own impact.

This electric commercial vehicle, both iconic and versatile, symbolizes our ongoing commitment to a sustainable future. We are confident that this decision will benefit not only our company but also the world we live in, and we are proud of that. 🌱



UPGRADE AT TRUCK WASH BREUNA GMBH - BREUNA (DEU)

# THE SUCCESS STORY OF TRUCK WASH BREUNA

In conversation with Torsten Baum and Mirco Gemmeke of Truck Wash Breuna, we get a behind-the-scenes look at the recently started partnership with Gröninger..



L-R: Joost Kasbergen, Torsten Baum, Mirco Gemmeke, Sebastiaan Golubski, Jurjen Insulani, Jack Strijbos

### Food focus

Torsten and Mirco tell us that Truck Wash Breuna's focus has shifted from cleaning silos with construction materials to a more modern tank cleaning facility, with an emphasis on cleaning foodstuffs such as chocolate and fats.

"With the new steam boiler, we can steam products and also perform kosher cleaning," says Torsten. He adds, "Because the system is explosion-proof, we can even clean alcoholic products like Brandy."

### Smart container concept

To optimize space utilization, Truck Wash Breuna opted for a smart container concept with two tank containers as water buffer tank. "With this solution, we could reuse some of the existing equipment, whilst addressing space constraints," explains Mirco. "The choice for Gröninger was also influenced by their extensive experience in building container installations. Inquiries with a number of references confirmed the good feeling."

Another advantage of the container concept is that cleaning operations can continue even during installation work. "Without the container, our site would have been out of operation for several weeks. This is not desirable for an operation serving customers six days a week," says Torsten. "Moreover, we are the only cleaning facility around, so our customers would have had difficulty finding alternatives."

### Green future

Sustainability also plays a significant role at Truck Wash Breuna. Solar panels on the roof of the cleaning building cover the energy needs on sunny days. Additionally, the cleaning water is primarily heated with a pellet heating system. Depending on the water usage and desired final temperature, the steam boiler kicks in. This way gas consumption can be minimized.

The system is fully PLC-controlled and the Gröninger Cleaning Guard Connector ensures seamless integration with the software package developed by Truck Wash Breuna itself. "By analyzing data from the PLC, programs can be optimized to achieve high-quality efficiency," explains Torsten.

"Our plan is to set up a second cleaning bay in a few years," says Mirco. "With the second bay, we could also clean ADR alongside foodstuffs, for example. Gröninger has already taken this into account in the design of the installation." 🏠







SCHMIDT - HÜRTH (DEU)

## RENOVATION AND INCREASED EFFICIENCY **IN HÜRTH**



KARL SCHMIDT Spedition is a leading logistics service provider based in Heilbronn. SCHMIDT offers comprehensive logistics services, including storage, transport and handling of dry bulk products and owns cleaning stations at 13 sites.

### **New technology**

For the renovation of the location in Hürth, SCHMIDT has chosen Gröninger as its partner. During the renovation, all high-pressure pumps were replaced, and additional rotor jets were installed. This allows cleanings to be performed without repositioning washing heads, saving a significant amount of time.

In designing the new high-pressure technology, consideration was given to the existing concept ensuring smooth integration. All three cleaning bays were successively converted while the installation was in operation. Together with the local Schmidt team, we succeeded in continuing to clean the tanks. 🚧



VAN DEN BOSCH - IVORY COAST (AFR)

## GROWING AMBITION IN AFRICA



With the establishment of tank cleaning facilities in Ghana and Ivory Coast, Van den Bosch emphasizes its ambitions in Africa. The cleaning site in Ivory Coast has recently been equipped with a new control system, enabling remote access for servicing the system.

Furthermore, multiple cleaning programs can be set, and retrieving information from the PLC is now easier. With this investment, the cleaning system is now completely up-to-date. The comprehensive Gröninger Project Team has not only executed the transformation but also conducted the annual service for both locations. 📄





IMPERIAL LOGISTICS AFRICA - DURBAN (RSA)

# MODERNISATION IN SOUTH AFRICA

Imperial Logistics Africa is a leading logistics service provider in South Africa and one of the largest on the African continent. The company offers a wide range of logistic solutions from numerous locations. Some of these locations include tank cleaning systems, including one system built in Durban in the 1990s.

Together with Gröninger, Imperial opted for a complete renovation of the installation. Characteristic of the South African tank truck market are the so-called 'puppies', trailers behind the tank truck to transport extra volume. This combination poses an additional challenge for the number of washing heads on a lane and, of course, the associated pump capacity.

The completely new tank cleaning site consists of four bays, two of which are equipped with nine rotor jets and two with seven rotor jets. Especially for this site, Gröninger introduced a new hot-fed pump set with a volume of 15,000 liters at 100 bar. Customers of Imperial can now experience a Gröninger installation not only in Terneuzen, the Netherlands but also in Durban. 🇿🇦





VAN DE BRUG - PUTTEN (NLD)

# IT RUNS IN THE FAMILY

## Oils and fats

Van de Brug specializes in transporting vegetable and animal oils and fats. With their own tank trucks, these products are transported throughout Europe. For the cleaning of the trucks, a tank cleaning system was purchased from Gröninger in 1996. After 28 years of faithful service, it has recently been modernized and expanded.

Approximately 11,000 cleanings are carried out in Putten each year, the majority of which own tank trucks. With their in-house cleaning facility, Van de Brug can flexibly respond to requests from the planning department and ensure high quality. On Friday afternoons and Saturdays the tanks are cleaned externally, so they can hit the road shining brightly.

## Back then...

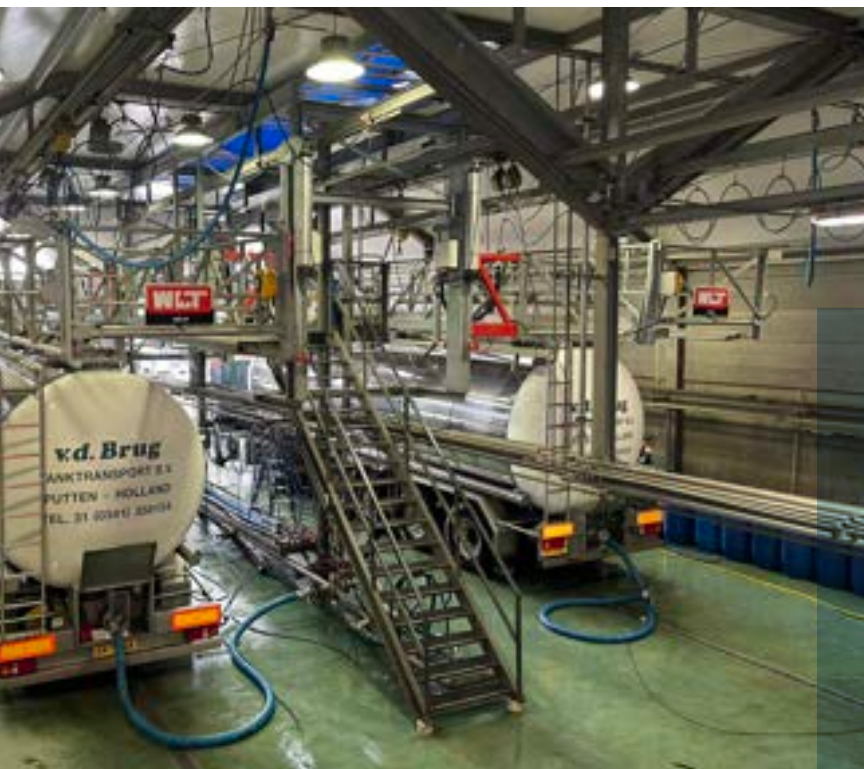
Rien van de Brug, second generation, vividly remembers the construction of the first cleaning system. "Gröninger was already well-known back

then. If you asked around a bit, everyone said you had to go to that guy in Schiedam." With the construction in 1996, Van de Brug had a very modern cleaning facility. "We were one of the first to have a PLC connection, which allowed us to secure the cleaning process." Rien is now starting to wind down a bit. His children and their spouses are all working in the company now. "I'm still here every day, and I enjoy being involved in the new cleaning facility. My wife and I still occasionally drive a load ourselves if needed, one behind the other."

## ...and now

Sustainability was a top priority in the setup of the new tank cleaning facility. Heat from the wastewater is recovered with a heat exchanger and stored in the buffer tank. This is also linked to the flue gas condenser of the steam boiler. Solar panels will be installed on the roof of the wash hall. The electricity generated will be stored in the water with heating elements.


The new control system is integrated with cleaning software. With this integration, the consumption of water, chemicals, electricity and heat can be retrieved for each cleaning. This not only allows for quality control but also enables efficient cleaning. "We are pleased to work together with Gröninger towards a cleaner future," says Rien. 🇳🇱



COTAC - ROTTERDAM (NLD)

## SUSTAINABILITY IN ACTION

Within the cotac Group, efficient energy management is a key focus. This sustainable ambition is demonstrated, among other things, by the recovery of heat from wastewater at the Rotterdam site. The recovered heat is used to preheat the cleaning water. This approach results in reduced use of steam to achieve the desired final temperature, leading to lower gas consumption.

Phase 2 of the project involves the replacement of all cleaning technology, including high-pressure pumps, dosing pumps, and the entire control system. More details will be provided in our upcoming News Magazine. 



BASF - ZHANJIANG (CHN)

## BASF SETS CLEANING STANDARD AND EXPANDS

BASF, a leading name in the chemical industry, has been well-known in tank cleaning for years. The immense BASF chemical park in Ludwigshafen, Germany, plays a crucial role for the many cleaning stations in the region. Currently, BASF is making significant investments in a large-scale chemical production facility in Zhanjiang, South China.



With the logistics network around the new factory still under development, BASF has decided to build its own cleaning station. After a careful selection process Gröninger, through its joint venture partner Groninger (Shanghai) Cleaning Technology, was chosen. The engineering phase was challenging due to the high demands of the chemical industry but ultimately led to a very impressive system.

In 2025, a modern, fully integrated cleaning station with two lanes will be operational, setting a new standard in China. 





BAYAREA - CHENNAI (IND)

# TANK CONTAINER DEPOT NETWORK IN INDIA



Bayarea is a pioneer in establishing tank container depots throughout India. The entrepreneurial Grewal family started their first depot in the port of Mundra in 2017, followed by Mumbai, Kandla, and now Chennai.

Together with the Grewals, Gröninger has developed a compact cleaning system that can be rapidly put into operation, specially designed for initial locations with high potential. The system is equipped with the highest quality pumps and state-of-the-art software that manages the system and records all possible data. This system will be the first of many to come. 🚀



DOR CHEMICALS & HORIZON  
LOGISTICS - HAIFA (ISR)

## UNIFIED EFFORTS

Horizon Logistics is a logistics service provider with an increasingly strong focus on the tank container industry. With the rapidly growing tank container market in the Middle East and the potential for growth, Horizon has initiated a joint venture with Dor Chemicals, the largest Israeli producer of Ethanol and MTBE. Together, they have launched a tank cleaning facility on the premises of Dor in the bay of Haifa.

From the initial idea Gröniger has partnered with the initiators and provided significant input for the business plan.

Together a two bay tank cleaning facility for tank containers, tank trucks and IBCs has been developed.

The technology is built in the container, utilizing on-site water and air purification systems. The technology container is a true innovation. For instance, there is a revolutionary new concept for the water feeding of the pumps, optimizing both the pump capacity and the accessibility of the pumps. 🚀





OWENS - AUCKLAND (NZL)

# NEW DEPOT IN NEW ZEALAND


## Over 18,000 km away...

As part of Mainfreight, Owens provides logistics services throughout New Zealand. The Owens Tankers division focuses on transportation with tank trucks and tank containers. A new container depot is being constructed at the Auckland site with the capability to store, heat, and clean tank trucks, IBCs and tank containers.

## Travel time is construction time

The new cleaning facility features two cleaning bays. In addition to interior cleanings, the bays are also used to externally clean the fleet. The entire high-pressure system is installed in a 40ft shipping container converted into a technical room. During the time it took for the container to travel the long journey between Rotterdam and Auckland by sea, work was simultaneously underway to construct the facility on-site.

## Revolutionary air purification: Vapour Pack

Emissions from the tanks being cleaned can be purified in various ways. In addition to the traditional scrubber and activated carbon filters, Gröninger has developed the so-called Vapour Pack. With this Vapour Pack, substances can be targeted with chemically enriched activated carbon. This achieves a very high capture efficiency, resulting in minimal emissions. 



# INNOVATIONS IN TANK CLEANING AND SAFETY MEASURES

## Investments

DCI (formerly QUALA) has made significant investments in food cleaning facilities. Older systems have been refurbished, and when a new opportunity arises, DCI can act quickly. This was the case in Walnut (CA). Gröninger was selected to build a fully containerized system operating at temperatures of 85°C at 100 bar (1450 PSI). Construction activities were planned concurrently with the unit's commissioning to keep lead times short. The system was commissioned by a joint team of DCI and Gröninger in a record time of two weeks. 🚀



## Renovation

DCI Chalmette (LA), the former Boasso location, is also undergoing complete renovation. The site primarily focused on ISO tanks but will become fully multifunctional in the near future, featuring a high-pressure system with a single rotor jet on six bays, a spreader for tank trucks and automated VATs for products such as latex and resin. The system will be operational in the third quarter of 2024. 🚀



## Safety

DCI has faced safety challenges in the past six months. To further improve the safety situation, a joint DCI/Gröninger working group designed solution to further secure access to tanks. The system consists of a device that measures toxic gases and only grants access and ladder release after a series of conditions are met. Naturally, everything is PLC-controlled and prepared to communicate with cameras and other external systems in the future. 🚀







Contact us: [info@groninger.nl](mailto:info@groninger.nl) or visit our website to find a colleague near you.

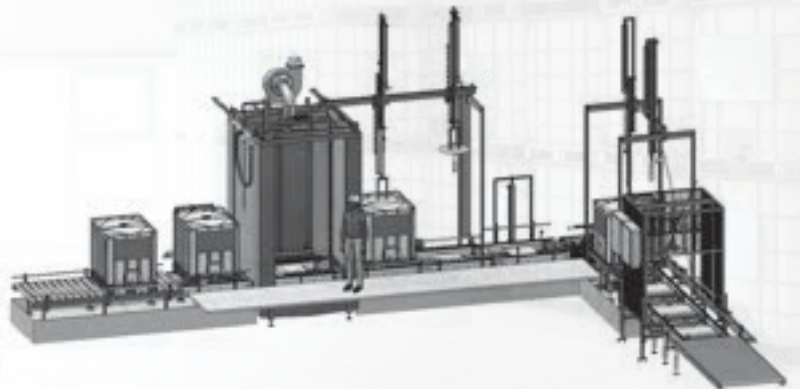
# AUTOMATIC IBC CLEANING

## Increased output with less staff

Cleaning IBCs is a time-consuming task, not so much the cleaning process itself but rather the (re-)positioning of the IBCs. Often, several steps are required to ensure the thorough cleaning of an IBC. These steps may include removing residual product, external cleaning, internal cleaning, drying and leak testing. To efficiently perform all these tasks, Gröninger has designed a modular concept that allows for the assembly of a complete line.

In the past year, various systems have been designed and installed. By conducting engineering in 3D, a so-called "digital twin" can be created, eliminating potential conflicts from the design at an early stage. The result of all installed systems is significant savings on staff deployment and the achievement of a constant output. 📈

Recently, cotac, Tank Management Australia, and TPS have all opted for a fully automatic IBC cleaning installation. Curious about the possibilities at your location? Contact us at [info@groninger.nl](mailto:info@groninger.nl) or visit our website to find a colleague near you.





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