

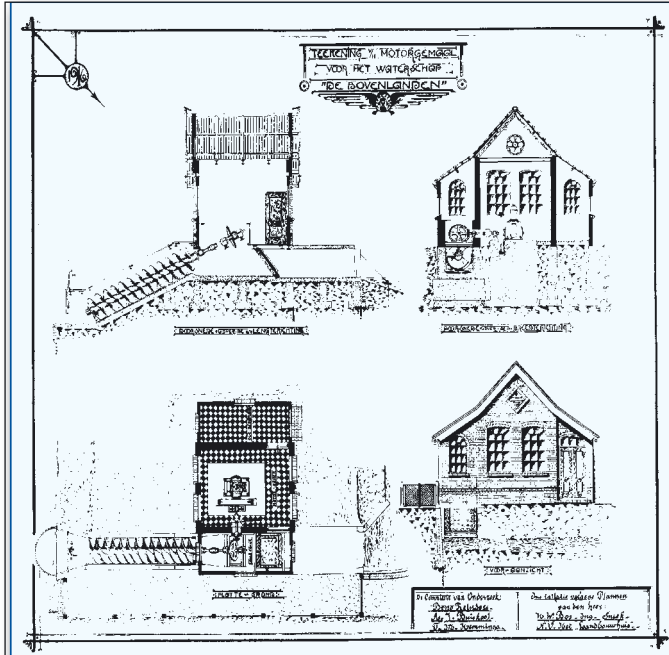
containerized wastewater treatment



sustainable local solutions

Landustrie 
SINCE 1913

LANDUSTRIE



drawing dating back to 1913

OVER 100 YEARS OF HISTORY

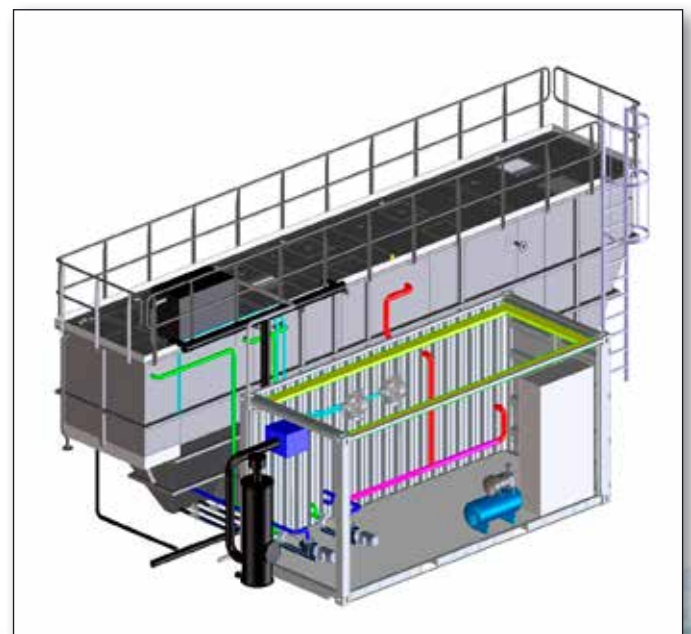
- ✦ In 2013 Landustrie celebrated its 100th anniversary.
- ✦ The foundations were laid around 1913, when the company was active in the agricultural sector and the evolving phases of polder drainage. By the 1950s Landustrie started with wastewater purification installations and ten years later the renown and respected LANDY product name became well-known abroad.
- ✦ Landustrie designs, produces and installs equipment for handling water and wastewater. All our LANDY products are made in our purpose built factory in Sneek, The Netherlands.
- ✦ Today Landustrie is a state-of-the-art manufacturing and engineering company, combining traditional proven products and techniques with high-tech innovations.

WATER TECHNOLOGY

Water is a vital source of life and exists all around us. Our activities and products revolve around it. We have the expertise and capabilities to provide solutions for every segment in the water chain. Our LANDY products are used for handling wastewater, surface water and for generating renewable energy.

Landustrie has been active in the water technology sector for more than 100 years. Our strength lies not only in our extensive experience but also in the quality of our reliable products and our pragmatic attitude. We like to think along with our customers when it comes to finding the optimal solution of a problem or design and delivery of a project.

Despite Landustrie's rich history, we continue to focus on new technologies, innovate and develop our products. Sustainability is one of the important pillars in our product development process.



containerized wastewater treatment

NEW SANITATION

Landustrie now offers a compact modular wastewater treatment system that can be deployed at any location. In collaboration with universities and research institutes, the widely-known activated sludge process has been optimized and combined with new treatment strategies. The resulting treatment system allows for a more sustainable approach to wastewater management. The treatment system is for example applicable for any scale, ideally from 400 p.e. and more, for (non)-residential buildings, like hotels, hospitals, offices or even remote settlements. With this new technique we managed to bring in the market a highly effective and versatile containerised wastewater treatment solution that can be adapted and applied to even the most challenging cases.

ADVANTAGES

- ✚ Energy efficient, optimized aeration process
- ✚ Easy volume adjustment according to demand
- ✚ Customization based on wastewater composition
- ✚ Select treatment modules configured to suit local requirements for discharge or re-use
- ✚ Remote control and monitoring.
- ✚ Attractive maintenance and operational costs.
- ✚ Competitive payback period
- ✚ Add treatment modules retrospectively
- ✚ On-site sludge treatment

CONFIGURATION

The basic configuration is designed to remove the organics of the wastewater (BOD) and nitrogen and phosphorus. Additionally water disinfection or even reclamation of safe water effluent for various re-use purposes can be added. It is also possible to include other organic waste streams besides municipal wastewater in order to maximize the cost-effectiveness and the sustainability potential. New modules can be integrated seamlessly into existing configurations to allow ongoing compliance with new legislation and production of high quality effluent (e.g. nanofiltration for removing pathogens, microplastics and micropollutants).

CONTAINERIZED SOLUTIONS

Our containerized wastewater treatment system is a fast and effective solution for any site, without the need for prior infrastructure. The entire treatment process is compressed into a single shipping container which means it can be transported, deployed and used very fast at any location in the world. A single containerized unit can treat a load of 400 p.e. and more, but the modular design of the system means that it can be expanded easily by simply using more containers in parallel. Moreover, different modules can work together in a variety of combinations in order to treat different types of wastewater and achieve any effluent quality desired. We always design and manufacture our containerized systems based on our client's needs and according to the highest standards. Last but not least, our solutions are built to be reliable, robust, simple at operation and with low maintenance requirements. All systems can be operated and supervised remotely.



containerized system for wastewater and sludge treatment in Ukraine



LANDY EQUIPMENT

Landustrie produces a wide range of equipment for (waste) water treatment, which includes :

- ✚ Archimedes screw pumps
- ✚ Hydropower screws
- ✚ Surface aerators and brush aerators
- ✚ LANDOX flow boosters
- ✚ Screen cleaners
- ✚ Pumps and pumping stations
- ✚ E+M equipment for sewage and wastewater treatment
- ✚ After Sales

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