INNOVATING ENVIRONMENT
Norlex Systems deliver and develop complete innovative solutions, that gives value to wastewater. We are passionate about eliminating waste, by bringing the best technology, know-how and service to our customers, so they can enjoy the benefits of clean sustainable solutions.
Norlex Systems sells and rents complete solutions for treatment of water and effluents

We do good for the planet, while saving costs for our customers

We help our clients meet discharge requirements

We turn waste into value

We serve a wide range of industries across Europe, North America and Africa

Locations in Denmark (HQ, Copenhagen), Belgium (Lommel), Ghana (Accra) and Canada (Vancouver)
VISION

Become the leading Danish supplier of solutions for industrial wastewater and effluent treatment, to create value for our clients and the environment.

MISSION

We are passionate about providing solutions that benefit the environment by treating and re-using wastewater, thereby contributing to the circular economy and minimizing residual products from the wastewater treatment.
CORE VALUES

1. TRUST
   We don’t leave until it works

2. SAFETY
   Comes first. We make sure all systems comply and exceed regulations

3. SERVICE
   We provide full service – in addition to selling or renting out systems

4. KNOWLEDGE
   We continue to innovate and improve our solutions

5. RELATION
   We are a committed partner, accompanying our clients through the entire process

6. SUSTAINABILITY
   We work to meet several of UN development goals
### COMPANY OVERVIEW

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>SOLUTIONS FOR</th>
<th>SOLUTIONS</th>
<th>MARKET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privately owned Danish company</td>
<td>Industrial wastewater treatment</td>
<td>Complete wastewater treatment systems</td>
<td>Aquaculture</td>
</tr>
<tr>
<td>Part of NORLEX GROUP</td>
<td>Water reuse</td>
<td>System upgrade</td>
<td>Manufacturing plants</td>
</tr>
<tr>
<td>Service for industry and municipalities</td>
<td>Sludge dewatering</td>
<td>Components for systems</td>
<td>Industrial laundries</td>
</tr>
<tr>
<td>Key markets include Europe, North America and Africa</td>
<td>Oily sludge treatment</td>
<td>Ongoing Service</td>
<td>Food and beverage</td>
</tr>
<tr>
<td>Systems in operation since 1982</td>
<td>Heavy metal removal</td>
<td>Water-as-a-service</td>
<td>Wastewater treatment plants</td>
</tr>
<tr>
<td>Certified project management systems</td>
<td>Organic micropollutant removal</td>
<td>R&amp;D Laboratory</td>
<td>Drinking water treatment</td>
</tr>
<tr>
<td>We sell and rent out complete systems</td>
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</tbody>
</table>
### Strong Customer Base

<table>
<thead>
<tr>
<th>Danfoss</th>
<th>Grundfos</th>
<th>Berendsen (Part of elis)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billund Aquaculture</td>
<td>BWSC</td>
<td>Teknologisk Institut</td>
</tr>
<tr>
<td>Fortum</td>
<td>RGS Nordic</td>
<td>samhall</td>
</tr>
<tr>
<td>Troldtekt®</td>
<td>Waterhouse</td>
<td>Cooke Aquaculture</td>
</tr>
</tbody>
</table>
THE PROCESS

DESIGN

The treatment system is designed in close collaboration with the client, to make sure all requirements are met. Every project is tailor-made to each customer.

IMPLEMENTATION

Our experts implement the complete treatment system based on initial on-site pilot tests, to ensure all systems work optimally.

START-UP & TRAINING

In the start-up phase, we assist the customer with training and defining all the essential parameters to ensure that the system remains cost-effective and future-proof.

SERVICE

We have a highly trained customer service that can support all projects with advice and on-site technical support.
SOLUTIONS

We provide solutions for

▷ Removal of organic and inorganic micro pollutants

▷ Retrieval of value from waste: Slop oil treatment and nutrients

▷ Reuse of water: biological and fine filtration of wastewater
## Solutions Overview

<table>
<thead>
<tr>
<th></th>
<th>CSS – Wastewater Treatment</th>
<th>WIV – Waste into Value</th>
<th>REX – Water Reuse</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Meet discharge requirements for wastewater</td>
<td>Retrieving value from waste</td>
<td>Reuse of water</td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td>Removal of micropollutants from water, e.g., heavy metals, organics etc.</td>
<td>Concentration and separation of valuable materials in liquid waste</td>
<td>Biological and mechanical treatment of wastewater</td>
</tr>
<tr>
<td><strong>Examples</strong></td>
<td>Heavy metal removal, denitrification</td>
<td>Slop oil treatment, phosphorous removal and retrieval</td>
<td>Laundries, food and beverage companies</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td>Physico-chemical treatment</td>
<td>Centrifuge systems, enhanced filtration</td>
<td>Biological (MBBR), membrane filtration</td>
</tr>
<tr>
<td><strong>Setup</strong></td>
<td>Complete system delivery and installation</td>
<td>Skidmounted PLUG&amp;PLAY systems</td>
<td>Containerized, PLUG &amp; PLAY systems</td>
</tr>
<tr>
<td><strong>Financing options</strong></td>
<td>Leasing</td>
<td>Leasing</td>
<td>Pay-per-use, rental</td>
</tr>
</tbody>
</table>
SOLUTIONS: CSS – WASTEWATER TREATMENT

- CSS with integrated chemical treatment (Physico-chemical)
- Intelligent control
- Dewatering equipment for sludge treatment
- Examples include heavy metal removal and oily water treatment

CASE: ELIS
- Treatment of 10 m³/h industrial laundry wastewater
- Removal of particulate and heavy metals
SOLUTIONS: WIV – WASTE INTO VALUE

- All water treatment systems creates sludge which potentially contains value
- Norlex Systems build complete systems for sludge dewatering and handling

CASE: COOKE AQUACULTURE
- Treatment of 110 m³/h sludge and overflow water
- Phosphorous reduction to <0.5 mg/L
- Centrifuge to achieve 30% solids in treated sludge
SOLUTIONS: WIV – WASTE INTO VALUE

› Norlex build complete systems for treatment of oily sludge
› Tricanters are used for efficient separation in oil, water and solids
› Can be delivered as a full non-man entry tank cleaning system for large oil tanks

CASE: FLUX WATER

› Complete site for treatment of oily water
› Oily sludge is treated with 10 m³/h, separation in oil, water and solids
SOLUTIONS: REX – WATER REUSE

- Treatment of water, for reuse
- Containerized systems, plug and play
- Technologies used are MBBR and membrane systems

CASE: BILLUND AQUACULTURE

- Ultrafiltration of water for hatching of eels
- Particulate and bacteria are completely removed
SOLUTIONS: REX – MBBR

- Treatment of water, for reuse
- Containerized systems, plug and play
- Norlex MBBR technology for safe and reliable operation;
  System supervised remotely

CASE: DEMSTRUP

- Biological treatment of wastewater from truck wash
- Water completely reused – no outlet to sewer
- Capacity: 30 m³ treated per day
NORLEX SYSTEMS

Your partner within

- Industrial wastewater treatment
- Water reuse
- Sludge concentration
- Oily sludge treatment
- Chemical dosing
- Advanced Oxidation