



nijhuis
INDUSTRIES

SOLID SOLUTIONS IN A FLUID WORLD



NIJHUIS INDUSTRIES

Nijhuis Industries is a multinational with a strong focus on innovation and customer satisfaction. Nijhuis Industries designs, manufactures and delivers robust technology, solid solutions and added value services to treat **effluent, process water, biogas** and **air** across a wide range of industries and municipalities. We offer a unique portfolio of market leading solutions for primary, secondary and tertiary wastewater treatment, waste to value and disinfection. We are committed to realize the value of (waste)water, recover valuable raw materials and make them available for sustainable re-use.

Nijhuis Industries offers **high quality, reliable** and **competitive solutions** to help our valued customers to meet their increasingly demanding sustainability requirements, lower their environmental footprint, combine productivity and energy efficiency and ensure minimum life cycle cost at the same time.

Our customers benefit from our international network and local knowledge provided by our regional Sales & Service Centers, local agents and business partners. Nijhuis Industries provides **customized technological solutions and system integration capabilities** based on state-of-the-art technologies and a wide range of tailor-made services. Our solutions are developed by multidisciplinary, specialized teams combining the experience of our global engineering and research teams and the knowledge and skills of our local service providers.

Nijhuis Industries encompasses **Nijhuis Water Technology, Nijhuis Ozone Solutions, Nijhuis H2OK** and has **Nijhuis Sales & Service Centers** in the Netherlands, Germany, United Kingdom, Poland, Russia, Ukraine, China, Indonesia, Singapore, the United States, Canada and Colombia.

SOLID SOLUTIONS IN A FLUID WORLD



SOLUTIONS

Nijhuis Industries offers an extensive range of systems, solutions and services. Our services can be called upon throughout the different stages of the project.

Research and Development

Our experienced Research and Development technologists are continuously working on the development of solutions for purifying water and recovering valuable resources. We offer a wide variety of tests executed in our state-of-the-art equipped laboratory which are supported by pilot trials on-site:

- Jar testing and biodegradability tests for wastewater (aerobic/anaerobic).
- Biogas production tests from solid waste, manure and wastewater.
- Chemical oxidation tests (ozone/UV).

Engineering Services

Our highly trained and experienced technologists and process engineers are constantly evaluating the most appropriate solutions for purifying water and recovering valuable resources while meeting increasingly stringent environmental requirements. Engineering services which can be part of your project are:

- Pre-project and economic feasibility studies incl. preparation of tenders.
- Technical and technological consulting.
- Process design and detailed design for constructions.

Project Management

Our team of experienced project managers are responsible for meeting the goals and objectives of the project in close relationship with our clients and the project team, with particular focus on:

- Principle contractor.
- Quality, health & safety procedures.
- Risk management.
- Time management and cost control schedule.



SOLUTIONS

Project Engineering

Process, mechanical and electrical engineers work together in project teams to provide all details involved in the project. The following services can be part of the project delivery:

- Civil engineering.
- Basic and detailed engineering:
 - Process technology: detailed process calculations, equipment selections and specifications.
 - Process automation: design of electrical control panels, PLC programming, SCADA and online monitoring packages.
- Mechanical & electrical installation.
- Civil construction works.
- Customized turn-key deliveries.
- Site supervision.
- Start-up and commissioning.
- Training and documentation.

In-house production facilities

Nijhuis Industries provides the most sophisticated manufacturing workshop, securing our customers with the highest quality against a competitive price for standardized products and international standards like ATEX, Norsok or custom-made designs:

- Stainless steel processing, welding and assembly.
- Plastic welding and assembly.
- Product assembly.
- Pre-fabrication of skids and containerized plants.
- Production of electrical control panels.



AFTER SALES & SERVICE

24/7 Technical Support

Achieve maximum plant efficiency and contact our professionals with all your queries 24/7.

Original Parts

We manufacture and use our own original equipment, wear- and tear parts from our suppliers as specified in our design.

Plant Audit & Maintenance (Water & Energy)

On-site performance audits to evaluate your existing plant to improve the water and sustainability, the Total Cost of your plant in footprint and reduce the Total Cost of Ownership.

Service Level Agreements

A service level agreement can be provided to help lower the operational costs and to improve the reliability and durability of your operation.

Online Monitoring & Support

Nijhuis Industries offers online monitoring and support contracts to assist operators with resolving emergencies and to continuously improve the reliability of their plant, optimize processes and lower operational cost.

Rentals

We offer an extensive rental fleet and used equipment, applying our 'plug and play' principle, including mobile filter systems, DAF units, MBR biotreatment, UF/RO system and sludge treatment.

Upgrade & Extension

We can audit your plant and recommend the required retrofits to upgrade your plant to the latest requirements and technological standards including improvement of your operational cost.



NIJHUIS ACADEMY ▼

At Nijhuis we continuously invest in training and education by sharing our expertise and knowledge worldwide. The Nijhuis Academy brings operators together to receive training in plant management and operation which is of crucial importance to minimize operational and maintenance costs and achieve maximum plant efficiency and durability.

The Academy training and seminars take place at your plant, regional or global headquarters or at our Sales and Service Centers providing our clients with a global network opportunity to exchange best practices from around the world and share valuable process information.

The Nijhuis Academy program provides:

- Engineering seminars for technical management and engineers.
- Practical training about our Nijhuis products and systems.
- Exchange of best practices based on our extensive global presence and experience.

Our seminars and activities encourage and welcome the participation of operators as well as managers to broaden their knowledge about Nijhuis Industries' latest technologies, enabling them to make informed and strategic decisions.

For more information please contact your local Nijhuis Industries Sales & Service Centers or check our Academy program to make a reservation.



FOOD & BEVERAGE

Water is a critical resource in the food and beverage industry where increasingly demanding environmental requirements have given rise to new technologies and working practises to create a more sustainable way of treating and recycling wastewater. Nijhuis Industries has a broad experience and application know-how within the global food and beverage industry, designing the most appropriate solutions for treating and recycling water and recovering valuable resources.

Our reference base includes clients from multinational to local companies across the following industries:

- Fish, meat & poultry processing.
- Alcoholic and non-alcoholic beverages.
- Convenience food factories.
- Potato and crisps.
- Dairy.
- Edible oil.

Nijhuis Industries supplies **solid solutions in a fluid world**, designing innovative sustainable wastewater treatment, recycling and waste to value solutions at the lowest possible operational cost. For the removal of oil & fats, suspended solids and dissolved matters we use our standard range of in-house developed products and technologies.



OIL & GAS

The global oil and gas industry is one of the major industrial water users in the world. Nijhuis Industries offers a wide range of solutions for the removal of hydrocarbons and other contaminations from water used in upstream and downstream processes. Our solutions treat wastewater prior to reuse in the production process or discharge, providing the added benefit of reducing wastewater disposal costs and environmental compliance.

Nijhuis Industries supplies solid solutions for:

- Produced water.
- Injection water.
- Slop water.
- Drilling mud.
- Cleaning water from storage tanks.
- SAGD water.
- Storm and rain water.

Nijhuis Industries has dedicated and specialized teams with extensive experience in designing, developing and implementing our mostly in-house developed products and technologies. For example, oil-water separators, DAF and DGF units, biological treatment systems, disinfection and sludge dewatering systems can be supplied as single units, integrated overall solutions or containerized installations according to specific and local requirements.



WASTE TO VALUE ▼

Realizing the value of wastewater and waste underlines Nijhuis Industries' determination to fulfill the market's need for innovative, sustainable solutions with minimum life cycle cost. We believe in the value that wastewater and waste provides to the customer, all depending on the raw materials used in the industry.

Reference application and technologies include:

- Ammonium recovery into ammonium sulphate, a valuable fertilizer.
- Protein recovered from an algae treatment system and reused in food additives or as biofuel.
- Starch recovered from wastewater from a potato processing plant and reused as animal feed.
- Oil and high quality fat separated and reused as animal feed, fuel etc.
- Recycling of polished and disinfected water.
- Convert different types of organic waste into renewable energy & heat.

The above list is not exhaustive but merely a selection of possibilities. Nijhuis Industries has highly qualified engineers to evaluate your specific situation and requirements in order to provide you with state-of-the-art solutions, producing the shortest possible ROI.



OTHER INDUSTRIES



Due to the extensive process knowledge and water know-how of our highly experienced team of solution providers, Nijhuis Industries is able to offer the best possible solutions to a variety of industries, serving our global customer base.

We have gained unparalleled knowledge in a wide range of applications to treat your wastewater and create value from waste. Our wastewater treatment systems and solutions are currently used in a wide range of industries including:

- Textile.
- Tanneries.
- Chemical production.
- Tank cleaning.
- Pulp & paper.
- Pharmaceutical.
- Biodiesel manufacturing.
- Hospitals: to remove endocrine disruptors, medical residues.

Every industry has its own specific water and wastewater process and characteristics. With our extensive experience, expertise and testing capabilities we are dedicated to deliver our customers the best technical and commercial solution.



PROCESS WATER DISINFECTION

Process water for pasteurization or sterilization lines (autoclaves) need to be free of bacteria at any time to guarantee food safety. The presence of heated water and product spills in process water is an ideal environment for bacterial growth. Ozone (O_3) removes bacteria and has the added advantage that hazardous biocides or chemicals are no longer required in the process (O_3 re-generates to harmless O_2). Ozone leaves no chemical residues in the process water and therefore the water can be recycled multiple times.

Nijhuis Industries is the specialist and leading technology developer in the field of ozone solutions. Our ozone systems rank among the most accurate, safe and energy efficient systems in the world.

Our ozone technology can be applied to:

- Large cooling tower systems
- Pasteurization and sterilization
- Air conditioning of office buildings, hospitals, museums and airports.
- Larger residential buildings.
- Power plants.
- Swimming pools and holiday parks.

Cooling water disinfection

Cooling tower systems and heat exchangers reuse process water for heat exchanging. Excess heat is transferred into the air by open cooling towers. Cooling towers and heat exchangers are susceptible to pollution and bacterial growth due to the circulation of warm water streams which are exposed to air for cooling. Ozone technology offers the most efficient, safe and sustainable (no use of chemicals) way to remove pollution and bacteria such as legionella.



MUNICIPAL & SEWAGE

With years of extensive experience we offer solutions to all matters relating to water, foul and surface water drainage infrastructure, offering cost-effective turnkey solutions using appropriate sewage treatment systems. We offer a wide range of professional services ensuring that the most innovative and effective technological solutions are provided.

As a result of the company's depth of experience we have become a specialist provider to the holiday and leisure industry and the municipal water and wastewater sector. Our offering ranges from the supply of treatment equipment, through to providing a complete integrated solution encompassing design, civil & MIECA installation/commissioning.

Benefits that our solutions can offer:

- Meeting and maintaining high quality effluent standards.
- Recycling of final effluent for non-potable uses.
- Reducing the environmental footprint.
- Reducing operational cost whilst achieving statutory compliances.
- Full turnkey service with single point of contact.

For the purpose of municipal plants, our Dissolved Air Flotation (DAF) and sedimentation systems are used as primary treatment to separate and concentrate biological excess sludge and to polish effluent with a high rate flotation system like e.g. polishing MBBR effluent.



FLOOD WATER MANAGEMENT & CONSULTANCY

Our in-house consultancy and flood water management team has extensive experience undertaking all types of water, wastewater, flood risk and environmental consultancy work. We can offer water and wastewater audits to our customers to identify opportunities for water conservation and reuse, recycling of wastewater, waste to value and other green initiatives.

Our in-house team also has expertise in the design of project/development infrastructure including civil, structural, hydraulic, mechanical and electrical disciplines. We are experts in the field of flood risk having carried out numerous flood risk assessments for both private and public bodies. Taking flood risk into consideration early on in the site layout, our engineers work towards successful planning outcomes where flood risk is a factor.

Managing surface water runoff in line with best practice is an important part of any development. We offer specialist design and site testing services to allow schemes to be devised which ensure that runoff from developments do not contribute to flooding from increased runoff.

Our Design Consultancy Services:

- Project infrastructure design.
- Water and wastewater audits.
- Flood risk assessments.
- Flood defence design & storm water defence.
- Sustainable drainage design.
- Civil and structural design.
- Hydraulic, mechanical and electrical design.
- Environment agency support.



KEY OFFERINGS

Depending on your wastewater, substrate characteristics and discharge requirements our most suitable and cost-effective treatment concept and products are selected. Our solutions are based on a combination of the following offerings:

- Filter systems to remove larger particles.
- Sedimentation systems to remove heavy particles.
- Oil & water separators to remove free separable oil, grease and fat.
- Coagulation & flocculation to create separable flocs of emulsified materials.
- Flotation (DAF) systems to remove fine solids and created flocs.
- Anaerobic and aerobic biological treatment systems are using bacteria to remove dissolved organic matter by the use of micro-organisms (BOD).
- Polishing systems to remove final impurities to meet the most stringent requirements.
- Waste to value and energy concepts to create value from sludge and waste.

On request standard equipment can be adjusted to meet specific requirements from our customers. Examples are the oil industry, where complete custom-made solutions including all necessary documentation are supplied under strict regulations, or large multinationals who work with preferred suppliers and uniform company standards.

Our global Research & Development team has access to a world class laboratory, pilot and testing facility to optimise existing solutions and develop disruptive technologies.

Nijhuis Industries provides the most sophisticated manufacturing workshop, securing our customers with the highest quality against a competitive price for standardized products or custom-made designs.

SOLID SOLUTIONS IN A FLUID WORLD



FILTERS

Filter systems are used as primary screening to separate large particles from your wastewater. Removal of these particles prevents downstream pipe blockages and protects upstream equipment.

Aquarake, type NPS

The Aquarake is a self-cleaning channel filter, with an endless belt of filter elements, which will transport and discharge the retained solids. Hot water spray system and brush cleaning are optional items on the screen.

Curved screen, type NZB

The curved screen is a straightforward static filter, equipped with a wedge wire sieving plate. A pneumatic controlled spraying system installed with cover will clean the curved screen periodically.

Rotary drum screen, type NTF

The internally fed rotary drum screen is equipped with a patented inlet water distribution system. A perforated drum with screw will retain and transport the solids from the wastewater. An overflow system is standard.

Rotary drum screen, type NRF

The externally fed rotary drum screen with a self cleaning wedge wire drum will retain solids from the wastewater. An adjustable overflow weir and spraying systems for periodically cleaning are integrated in the design.

Rotary drum screen, type NDF

The cloth filter is an inside fed rotary drum screen with a perforated drum covered by a cloth, specially designed for removal of fine solids. Suitable for specific applications for example solid/liquid separation of manure.



GRAVITY SEPARATORS

Gravity separation systems are designed to remove heavy settling and floating particles from water without the addition of chemicals and energy. Gravity separators are also used to recover valuable materials from water, without any contamination of additives, for sale or reuse.

Sedimentation unit, type NTB

Robust and straightforward lamella settler to remove 'heavy' particles from wastewater. Sediment removal by time-controlled pneumatic valves.

Sand separator, type NSS

Specific wastewater streams, sand and sediment from settlers and flotation units can be automatically removed and concentrated by the sand separator.

Oil & water separator, type CPI

The oil/water separator operates by using gravity to separate oils from oil contaminated streams in a concrete basin. All internals of the CPI separator are part of our product programme.

Plate pack module, type PPA module

The PPA module is a standard module which can be integrated in CPI designs.

Oil & water separator, type CCS

The oil/water separator operates by using gravity to separate oil from oil contaminated streams. The stainless steel unit is prefabricated in our workshop either with skim pipe or scraper system.



FLOTATION

The Dissolved Air Flotation (DAF) system is a robust designed unit which separates non-dissolved materials, such as suspended solids, oil & grease and coagulated and flocculated particles from wastewater.

The principle of *all types* is based on the innovative intelligent aeration system which forms very fine air bubbles that support and increase the separation of particles. Flotation sludge will be removed by a top scraper system. The sediment will be removed by automatic sedimentation valves or bottom scraper.

Flotation unit, type IPF

A compact flotation unit with plate packs in the capacity range of 5 - 180 m³/hr.

Flotation unit, type NPF

A compact flotation unit with plate packs for high capacities in the capacity range of 140 - 650 m³/hr.

Flotation unit, type NPF HX

An extremely compact high rate flotation unit with plate packs for high capacities in combination with lower solids load in the capacity range of 250 - 1550 m³/hr.

Flotation unit, type GDF

An open flotation unit designed for handling high sludge loadings and very suitable for flotation of activated sludge.

Depending on the corrosive environment and the type of industry flotation systems can be delivered in (duplex) stainless steel, plastic or concrete. Concrete flotation systems are also suitable for high capacities above 1000 m³/h and/or desalination purposes.



COAGULATION & FLOCCULATION

The coagulation & flocculation systems remove emulsions, dispersions and heavy metals from the wastewater by adding coagulant, flocculant or precipitant. Each type of wastewater requires a specific chemical regime and mixing energy. For the most commonly used solutions a standard product range is developed.

Flocculator, type PFR

The pipe flocculator is designed for effective mixing of chemicals with wastewater and is therefore equipped with special mixing pipes. For operators checks sample valves are foreseen at various stages of the mixing process.

Coagulant and neutraliser dosing units, type CDU

The skid mounted coagulant and neutralizer dosing units are equipped with all required safety measures. As a standard a floor mounted skid will be used. An optional multifunctional skid can be selected, including a closed cabinet with dip tray, suitable for wall or floor and outdoor installation.

Flocculant make up units

Flocculants will be supplied either as powder or liquid product in a required and optimal dosage of concentration To facilitate this dilution different types of manual and automatic make-up stations are designed for liquid and powder flocculants.

Flocculation dosing units, type FDU

A range of flocculant dosing units is developed to dose the polymer. In some cases the dosing pump will be equipped with a post dilute station to increase the capacity of the make-up unit.



ANAEROBIC BIOLOGICAL TREATMENT

Anaerobic biological treatment systems use bacteria to remove dissolved materials (BOD) from your wastewater under anaerobic conditions, so without the addition of air. Our highly trained and experienced technologists and process engineers are constantly evaluating our concepts and are selecting the best technical and economical solution for you. In general we make use of the following concepts:

UASB and EGSB

Anaerobic treatment systems for wastewater with mainly dissolved organic pollution. The systems make use of granular sludge with lamella separators in the top of the reactor to separate water, gas and sludge.

The UASB & EGSB both use controlled external recirculation to dilute the incoming effluent and recycle alkalinity to reduce the Caustic consumption for pH correction. EGSB systems are normally applied for high COD wastewaters with very low solids loading rates (treatment of high concentrated dissolved COD).

Aecomix™

Aecomix™ is a new anaerobic reactor based on solids retention by Dissolved Air Flotation. It is a robust, unique single step concept for food & beverage plants to treat wastewaters and organic waste streams in one reactor.

Depending on your wastewater and effluent requirements, Nijhuis Industries will select, design and build the most suitable plant for each application, taking into consideration investment, operational costs, local requirements and reliability.



AEROBIC BIOLOGICAL TREATMENT

Aerobic biological treatment systems make use of bacteria to remove dissolved materials (BOD) from your wastewater in aerobic conditions, so with the addition of air. Our highly trained and experienced technologists and process engineers are constantly evaluating our concepts and are selecting the best technical and economical solution for you. In general we make use of the following concepts:

Sequence Batch Reactor, type SBR

An easy and flexible to operate single tank solution. All operations required in the process take place in one tank.

Continuous biotreater with clarifier

Water flows by gravity through the required steps of treatment of a continuous system with a clarifier for sludge & water separation.

Continuous biotreater with activated sludge flotation

Compared to the traditional clarifier, using an activated sludge flotation as clarifier makes the continuous biotreater more compact since a higher concentration of bacteria in the aeration tank can be maintained.

Membrane Bioreactor, type MBR

This concept makes use of sludge water separation by membranes. Our concepts use flat plate membrane modules and can be installed either in the aeration tank or in a separate membrane tank.

Moving Bed Bioreactor, type MBBR

The addition of carriers results in a more effective growth of bacteria, whereby a compacter aeration can be used. In case there is a strict suspended solids consent limit, a flocculation - flotation system will be included to remove the solids.



REUSE, DISINFECTION AND PROCESS WATER

For polishing your industrial wastewater to very stringent discharge consents or to optimise your process water system we have developed a range of polishing systems:

Sand filter, type CSF

A continuous sand or cloth media filter to remove particles from the wastewater by filtration over a sand bed, where the removable particles stay behind in the sand and the cleaned water can be discharged continuously.

CarboPure, type CP

The CarboPure combines conventional activated carbon filtration with our advanced air dissolving technology. While organic substances are absorbed by the activated carbon, the dissolved oxygen is used by the bacteria in the filter to break down the organic material.

Membrane systems, types MF / UF / MF and RO

Membrane separation processes are based on a straight forwarded separation method, the membrane acts as a very specific filter, impurities will be retained and water will pass the membrane. Selection criteria is depending on impurities to be removed.

UV disinfection, type NUV

For clear water streams disinfection of water can be achieved by UV-C radiation, a specific light wavelength that damages the DNA structure of micro-organisms.

Ozone disinfection, type NOS Q and NOS XL

Nijhuis Industries has a complete range of ozone generators. The oxidation power of ozone has a great ability to disinfect water and to prevent legionella growth in cooling towers. Ozone breaks the DNA structure of micro-organisms. The NOS Q and XL series ozone generators are the most accurate, safe, sustainable and energy-efficient in the world.



BIOGAS & WASTE TO VALUE ▼

Under anaerobic circumstances organic waste material is transformed into biogas which can be used to produce heat, electricity and concentrated fertilizer. The feed into the process can consist of manure, organic solids & food waste and sludge from wastewater treatment plants. Depending on the raw materials the most efficient system is designed (based on standardized designs) for:

Raw material preparations & storage

Storage and preparation of the raw materials is required to maintain a frequent and high quality feed to the digester.

Pre-treatment of raw materials

To optimize the biogas quality and amount some feedstock materials require a pre-treatment step, like macerating, sterilization or pasteurization processes.

Digester, type Taurus

The Taurus reactor system is suitable for all types of waste and renewable energy crop based on a mixed and heated digester tank. The system can be executed with mechanical or gas mixing (no moving parts in the tank).

Biogas treatment & utilisation

Optimization of the biogas depends on the client. Biogas can be used to feed boilers and Combined Heat & Power (CHP) installations or can be upgraded to green or natural gas and supplied to the natural gas grid.

Flotation Fat Recovery, type FFRS

Various novel solutions in the food processing industry to reuse recovered fat from flotation sludge to fuel steam boilers or produce biofuel.



DIGESTATE TREATMENT

Digestate is solid material that remains after the anaerobic digestion of a biodegradable feedstock. We have developed various options for treatment of digestate:

Solid / liquid separation

The solid fraction from the digestate can be separated from the liquid fraction by mechanical separation systems, like screw press, decanter centrifuge or dewatering drum. Further polishing of the liquid fraction can be achieved by a flocculation – flotation system.

Nijhuis Ammonia Recovery, type NAR

Anaerobic digestion can be toxicated by high ammonia concentrations, e.g. in chicken manure & slaughter waste. The Nijhuis Ammonia Recovery (NAR) is developed to remove ammonia at 60 - 80 °C before anaerobic digestion. At this temperature more than 80% of the ammonia will be removed and the suspended COD is more hydrolyzed, resulting in 10 - 30% more biogas. Washing with sulphuric acid obtains ammonium sulphate fertilizer and clean air.

Treatment of solid fraction

The solid fraction from the separation stage can be used as a fertilizer, depending on the market requirements, drying and pelletizer steps can be integrated.



SLUDGE MANAGEMENT

Sludge disposal costs are a key component in the operational costs of wastewater and waste treatment systems. Dewatering the produced sludge can reduce the disposal costs dramatically.

A selection of used concepts are:

Dewatering drum, type NDF

The cloth drum filter is an inside fed rotary drum screen with a perforated drum covered by a cloth, specially designed for dewatering excess sludge up to 6% dry solids.

Decanter centrifuge

A decanter centrifuge separates solids from one or two liquid phases in one single continuous process. This is done using centrifugal forces that can be well beyond 3000 times greater than gravity.

Chamber filter press

Filter presses dewater sludge in chambers by applying very high pressures to the system.

Beltpress

Dewatering of sludge by a belt system, first stage by gravity, followed by a pressurized belt for further dewatering.



CONTAINERIZED PLANTS

Nijhuis Industries designs and manufactures containerized solutions for municipal and industrial applications. Containerized plants where appropriate provide the following advantages:

- Complete pre-assembled plant delivery.
- Minimal installation and commissioning work required on-site.
- Plant can be easily relocated or extended due to its modular design.
- Compact footprint.
- All safety, ATEX, Norsok features and procedures, including chemical showers are retained (if applicable), insulated sides and roof with thermostatic heating (optional).
- Complete pre-assembled plant delivery using new or refurbished containers.
- Containerized and skid mounted small scale biological treatment plants, including MBR and MBBR.
- Containerized and skid mounted solutions for flocculation flotation systems up to 15 m³/hr.
- Semi containerized plants for larger flocculation flotation systems.
- Containerized and skid mounted plants for produced and slop water treatment on board of ships and off-shore structures.
- Containerized and skid mounted recycle plants, including e.g. sandfilter, CarboPure and UF/RO systems.
- Containerized and skid mounted ozone treatment plants including integrated power and oxygen supply.
- Containerized and skid mounted centrifuge dewatering systems.

CONTACT



Nijhuis Industries Holding B.V.
Innovatieweg 4
7007 CD Doetinchem
The Netherlands
T +31 (0)314 74 90 00

Nijhuis Water Technology B.V.
Innovatieweg 4
7007 CD Doetinchem
The Netherlands
T +31 (0) 314 74 90 00

Nijhuis Ozone Solutions B.V.
Kollergang 1
6961 LZ Eerbeek
The Netherlands
T +31 (0)313 65 46 41

Nijhuis H2OK Ltd.
Nanjerrick Court, Allet, Truro
Cornwall TR4 9DJ
United Kingdom
T +44 (0)333 7000 007

NIJHUIS INDUSTRIES SALES & SERVICE CENTERS

ASIA PACIFIC
T +62 65 6818 9044

MIDDLE EAST
T +966 1 812 80 55

CHINA
T +86 21 6106 2218

POLAND, CENTRAL EUROPE
T +48 22 723 54 30

GERMANY, SWITZERLAND, AUSTRIA
T +49 170 168 647 9

RUSSIA
T +7 495 645 0098

LATIN AMERICA
T +57 316 831 8309

USA, CANADA
T +1 312 300 4101

WWW.NIJHUISINDUSTRIES.COM

INFO@NIJHUISINDUSTRIES.COM

SOLID SOLUTIONS IN A FLUID WORLD