Our solutions include:

- Potable water treatment
- Wastewater / sewage treatment
- Modular, containerised and full-scale plants
- Brackish water desalination
- Water reuse / zero liquid discharge
- Industrial process water treatment
- Mine water solutions
- Food & beverage water solutions

Aqua Services & Engineering (ASE) is a leader in the design, construction, commissioning and maintenance of water treatment facilities in Namibia. We supply turnkey water effluent plants for potable water, communal sewage treatment, industrial water and effluent treatment.

A subsidiary of Veolia Water Technologies, ASE delivers local solutions to Namibia’s water treatment challenges drawing on a world-leading technology portfolio.

Our Vision

is to be your ultimate technological partner and service provider in the water treatment field.

Our Mission

is to provide quality service through the implementation of the latest environmentally conscious water treatment technologies using local and dedicated Namibian expertise. ASE is committed to offering customised water treatment solutions and to optimising and maintaining the existing water treatment infrastructure.

A subsidiary of Veolia Water Technologies

Veolia Water Technologies is a global leader in water and wastewater treatment solutions for industrial clients and municipalities. With over 350 proprietary technologies and 130 business units around the world, Veolia meets the world’s needs for efficient, reliable and sustainable water solutions.

62 million inhabitants connected to wastewater systems

4,117 drinking water production plants managed

96 million people supplied with drinking water

2,878 wastewater treatment plants managed
ASE is backed by over 350 proprietary Veolia water treatment technologies. From this cutting-edge technology portfolio, our engineers and water specialists combine, design and execute custom water treatment solutions according to the exact needs and specifications of our customers in Namibia.

Some of our plants are installed in very remote locations where a robust and reliable solution is paramount. ASE has over 25 years of experience building drinking water and wastewater treatment plants for remote settlements, schools, hospitals and lodges.

40% of the world’s population face uncertain water security

Water crises will be the 2nd major global risk in the next 10 years

If correctly valued, water will be better managed

**ASE is backed by over 350 proprietary Veolia water treatment technologies. From this cutting-edge technology portfolio, our engineers and water specialists combine, design and execute custom water treatment solutions according to the exact needs and specifications of our customers in Namibia.**

Some of our plants are installed in very remote locations where a robust and reliable solution is paramount. ASE has over 25 years of experience building drinking water and wastewater treatment plants for remote settlements, schools, hospitals and lodges.

---

**Standard Package Plants**
Prefabricated solutions for drinking water and sewage treatment.

**Standard Products**
Off-the-shelf solutions for a wide range of treatment requirements.

**Trickling Filter Technology**
Compact, low-maintenance domestic sewage treatment for communities of up to 5 000 people.

**Brackish Water Desalination**
All the technologies to cost-effectively treat brackish water to potable or process standards.

**Mobile Water Treatment Plant**
A truck-mounted water treatment plant delivering SANS 241 drinking water for communities.

ASE provides turnkey water solutions, with capabilities to design, construct, commission, operate, service, and supply consumables including the HYDREX™ range of chemicals.
Solutions for Industry

ASE has total treatment solutions for industry: from providing potable and process water for remote mines to treating wastewater for discharge or reuse.

Mine Water
We supply customised mine water treatment technologies to optimise the entire water cycle of a mine and ensure compliant discharge. With a complete range of technologies, we cover pre-treatment, leach liquor filtration, process mine water treatment, tailings pond management and acid mine drainage treatment. Our mine water solutions help mining companies refine minerals, recycle waste and reduce environmental impact.

Food and Beverage
ASE understands the requirements of water and wastewater treatment in the food and beverage industry, and provides cost-effective solutions to meet the strictest purification specifications and discharge standards.

Zero Liquid Discharge (ZLD)
With technologies capable of reducing operating costs by recycling industrial wastewater, ASE has helped companies minimise their waste and achieve zero liquid discharge. These treatment systems reduce a plant’s requirements for bulk water, improve their economic performance and significantly reduce their environmental footprint.

Helping industry lower the costs of water
Solutions for Municipalities

We provide solutions for safe, environmentally compliant day-to-day sewage treatment plant operations, whatever the size. We help our municipalities generate reusable water and produce fertiliser, nutrients and energy for heat and electrical power.

Even the most polluted wastewater can be treated to a 100% potable standard, and ASE has the expertise and technological portfolio to provide direct or indirect water reuse programmes as required by our customers.

We support Namibia’s municipalities with treatment solutions for drinking water, wastewater, reuse, sludge treatment and energy recovery from sludge digestion and incineration.

Serving the City of Windhoek
The New Goreangab Water Reclamation Plant treats sewage effluent for potable reuse, making up approximately 25% of the city’s potable water supply. ASE supplies chemicals for the day-to-day operation of the plant.

Serving big cities
Caring for communities

Potable Water Treatment
ASE supplies the highest-quality drinking water using patented technologies. We design, construct, operate and maintain large-scale and packaged potable water treatment plants.

Wastewater Treatment
We provide solutions for safe, environmentally compliant day-to-day sewage treatment plant operations, whatever the size. We help our municipalities generate reusable water and produce fertiliser, nutrients and energy for heat and electrical power.

Water Reuse
Even the most polluted wastewater can be treated to a 100% potable standard, and ASE has the expertise and technological portfolio to provide direct or indirect water reuse programmes as required by our customers.
Modular Plants

Using state-of-the-art technology that was developed by Africa for Africa, ASE’s containerised water treatment plants treat any raw water source to supply treated water to isolated communities and remote locations.

Developed by Africa for Africa

With Africa urbanising at a faster rate than any other region in the world, the subject of water remains a long-term challenge. We think a successful approach combines access to water and sanitation, resilience and efficient resource management.

That’s what you get with our modular plants. Pre-assembled and Factory Acceptance Tested, these plants can be rapidly deployed to meet potable and wastewater requirements and are a cost-effective alternative to in-ground plants.

Modular treatment for any industry

Our modular plants provide potable and wastewater treatment solutions for municipalities, remote lodges, mining, agriculture, food & beverage, power generation, etc.

Made-to-order solutions

ASE designs and assembles package plants to suit each application’s unique requirements, whether for potable, process or wastewater. Factors include the type of influent, and the legislated effluent standards.
The Elisenheim Housing Development near Windhoek has acquired a trickling filter plant capable of turning municipal sewage into water suitable for gardening and greening functions.

Trickling filter technology is a cost-efficient solution to remote communities’ sewage treatment problems. Ideal for small-scale package plants and full-scale wastewater treatment plants, the technology offers highly-efficient solutions to upgrade sewage water to near-potable standards for irrigation, dust suppression and other uses.

**Trickling filter technology is used to:**
- Upgrade sewage water for reuse in irrigation, dust suppression and other tasks
- Upgrade sewage water to near potable standards so it can be made suitable for human consumption
- Ensure discharge water is compliant with environmental standards

**Water infrastructure overhaul in Walvis Bay, Namibia**
ASE upgraded stone-media biofilters to trickling filters to assist with sewage blockages in the existing infrastructure.

- Treats 500 m³ of raw sewage per hour
- 6.5 megalitres treated per day
- Simple and robust design to suit severe operating conditions
- Total cost: ZAR 15 million
ASE supplies the Veolia HYDREX™ range of water treatment chemicals to Africa’s industrial and municipal operations, optimising plant safety and water quality.

From once-off treatments to plant-wide dosing stations, our HYDREX™ chemical range enhances overall water-cycles while reducing plant operating and maintenance costs.

Our extensive range of chemicals covers all water treatment requirements, from pre-treatment to sludge treatment, and is strictly manufactured according to ISO 9001:2008.

We supply and customise organic and inorganic chemicals to suit all industrial and municipal water treatment needs, including:

- Boiler water treatment
- Cooling water treatment
- Potable water treatment
- Membrane treatment
- Wastewater treatment
- Maintenance and cleaning
- Industrial applications
- Biocides
- Food and beverage applications
To cut costs and reduce downtime, some of Africa’s largest manufacturing and industrial-sector companies and municipalities have turned to ASE to manage the day-to-day operations and maintenance of their water treatment plants.

We use our expertise, infrastructure and footprints across Africa to provide tailored maintenance plans to ensure you meet the treatment standards required. As a result, ASE enables companies to focus on their primary activities, while we take care of their water requirements.

**Services**

We offer the full range of services for water treatment, including analysis and quality monitoring, plant optimisation, planned maintenance, service & repair and emergency assistance.

As a complete water treatment solutions provider, ASE is a supplier of Grundfos Dosing Equipment, Hach Analytical measurement devices, OTT Hydromet, Elster Kent Prepaid Water Meters, Aquafab Standard Plants, membranes, filters and other water consumables.
A footprint of success in Namibia:

ASE has supplied over 180 new water and wastewater treatment plants to date across Namibia, ranging from 1 m³/hr desalination plants to 14 ML/day wastewater treatment plants.

Whether it’s a turnkey greenfield water treatment plant or the refurbishment or upgrade of an existing works in line with world-class standards and compliance, ASE delivers treatment solutions to optimise the performance of our customers’ water cycle. In addition, we have established ourselves as a supplier of bulk and speciality process and water treatment chemicals and consumables to the industrial and municipal markets. We also provide tailored operations & maintenance contracts for customers ranging from large municipalities to small lodges and rural communities.

Husab Mine
We installed a sewage plant, a demineralisation plant and a process filtration plant on the mine.

Walvis Bay Municipality
The existing biofilters were fitted with custom designed lamella sheets, thereby more than doubling treatment capacity.

Namibia Breweries Ltd
We are providing many of the speciality chemicals the brewery needs to prepare its water.

Rössing Mine
For over 10 years, we supplied the mine with critical bulk chemicals used in ore processing.

Namwater
We have been supplying Namwater with flocculants, coagulants and disinfection chemicals for over 20 years.

Coca-Cola Namibia
We are the provider of choice for service and repair of water treatment equipment at the bottling facility.

Gondwana Lodges
To date, around 10 lodges have been provided with trickling filters to treat their domestic sewage for gardening reuse.

Swakopmund WWTW
For the past 5 years, we have been involved with the operations and maintenance of the municipal wastewater treatment works.

Ministry of Defence
We have been servicing and maintaining the Ministry’s fleet of water and wastewater treatment plants for over 10 years.
Veolia’s Ambitions for Africa

To meet the needs of a rapidly urbanising and industrialising Africa, Veolia Water Technologies has implemented a new global strategy to ensure we can respond to the continent’s evolving requirements for highly efficient, robust, low-footprint water treatment infrastructures.

The “Ambitions for Africa” strategy aims at anchoring Veolia in the territories we operate in Africa through local partnerships, community engagement and tailor-made solutions through streamlined, agile manufacturing and service networks.
Resourcing the world