



AMIAD INDUSTRIAL & MUNICIPAL CATALOGUE

our values your benefits

Our vision and values focus on constant innovation, striving to deliver advanced filtration solutions which provide Return On Investment (ROI) while protecting the environment.



Saving Energy

Energy, like water, is a precious resource. All our filters are designed to use minimal energy, some even solely through water pressure.



Low Maintenance

Amiad filters are designed to perform and built to last. Low maintenance means high confidence, which allows our customers to focus on their core business.



Small Footprint

Amiad filters are designed to handle big jobs in small areas, freeing up valuable space in crowded urban and limited production areas. Systems can also be installed underground.



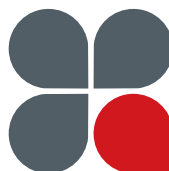
ROI

Amiad's filtration systems yield proven return on investment. Clean water enhances the production process and protects infrastructure, such as pipes, machinery, valves, emitters and ultra-fine filters.



Commitment

Our commitment to quality, reliability, efficiency, and dedicated customer service ensure that end users can focus on production, not filtration.



Green Technology

Amiad considers ecology along with economics. Our filtration systems deliver clean water with clean technology.



Water Conservation

Conserving water is an integral part of all our systems. Amiad's self-cleaning filters utilize minimal amount of back flush water, ensuring clean water can be used for production.



company profile

Wherever there's a need for clean water, Amiad has the solution. Amiad's innovative filtration solutions meet the challenges presented by varying water quality, rapidly changing weather conditions, and the demands of different geographical regions – delivering clean water all year round, around the world.

Clear Solutions to Water Filtration Challenges

For more than 45 years, Amiad Filtration Systems has met the need for clean water by developing a comprehensive line of exceptionally efficient automatic self-cleaning filters and manual filters for industrial, municipal, agricultural, and domestic use. Amiad's technology has built a worldwide reputation for efficiency, effectiveness, and reliability.

Extreme Conditions, Exceptional Results

Amiad is dedicated to meeting the varying needs of our customers worldwide – in Europe, Asia, the Americas, Africa, and Australia. Amiad's filtration solutions are built to cope with the most demanding weather and geographical conditions, and varying water sources and quality. Our solutions meet stringent water quality requirements and standards worldwide.



point to point all over the world

Worldwide Presence

Amiad provides solutions to more than 70 countries, with nine subsidiaries and sales offices. The company sells principally through distributors as well as directly to end-users and through water treatment system integrators and irrigation companies. The company operates from its headquarters and manufacturing center in Israel.

In addition, Amiad has offices in Singapore, Australia, China, India, France, Germany, Turkey, Holland, North America and Uruguay and third party distributors around the world. Amiad is renowned worldwide for its high-quality standards, consistent availability of parts, prompt delivery, and ongoing customer support.





extreme conditions
exceptional results



amiad, a world leader in filtration technology

Tailor-made water filtration solutions for challenging industrial and municipal needs

Amiad's unrivalled range of filtration solutions is designed to meet the demanding and diverse requirements of industries and municipalities. Our specialized systems are designed to effectively treat and filter the water according to each customer's specific requirements.

Proven Reliability, Global Reach

Amiad's durable industrial and municipal solutions can be customized for a wide range of applications to meet the toughest climates, water conditions, and technical requirements. Our in-depth knowledge and expertise is built on years of experience, undertaking in projects around the world – from Antarctica to the North Sea.

Amiad provides water filtration products and systems as integrated components or as complete filtration solutions for water treatment, potable water, and wastewater; oil and gas plants; cooling towers and more.

Amiad filters are built to meet the highest industry and municipal standards. Flexible configuration makes Amiad filters suitable for installation anywhere along the water system line.

Our Commitment: Clean Technology for a Greener World

At Amiad, environmental responsibility is a core value. Amiad filtration systems are more than just effective and reliable – they're safe to use as well as environmentally sound:

- No chemicals
- No polymers
- A bare minimum of back flush water
- Reduced energy demand – many of Amiad's systems don't even require electricity

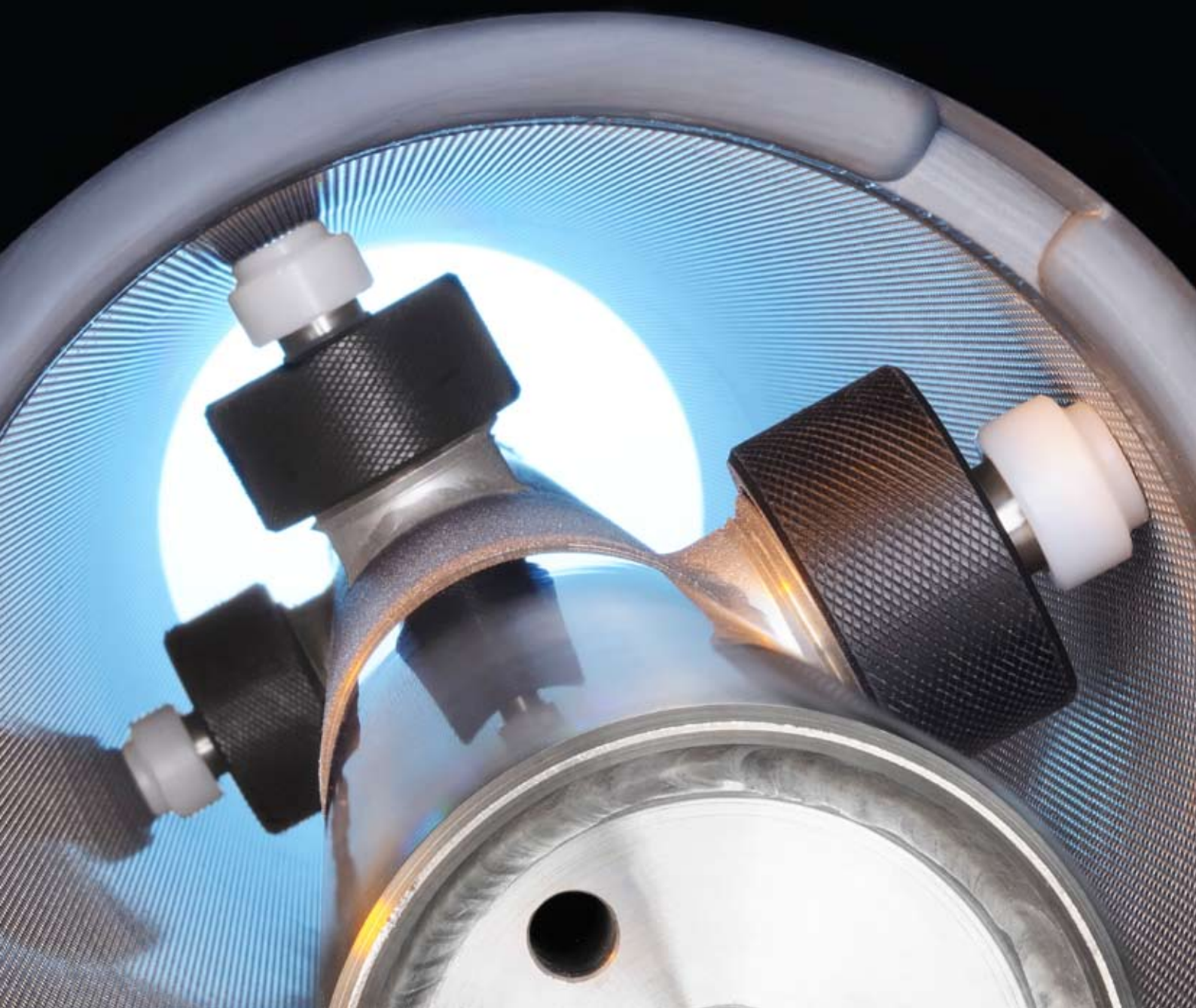
Customized Solutions to Meet Any Challenge

Amiad develops and designs filtration solutions to meet specific needs. Our experienced team utilizes their extensive expertise to develop innovative filtration solutions, providing custom-built solutions to meet market needs.

Innovation: The Future is Automated

Over the last four decades, Amiad Filtration Systems Limited has developed a range of compact automatic, self-cleaning filters incorporating innovative technology. The benefits are clear – low maintenance filters with low energy consumption substantially reduce costs. Designed for a small footprint, these filters are available in sizes ranging from 2 inches to 36 inches in diameter and in filtration degrees ranging from as much as 3500 microns to as fine as 2 microns.

Our extensive line of water filters and water filtration systems includes plastic, steel, semi-automatic and fully automatic self-cleaning screen and microfiber filters. Amiad also manufactures various filter elements to suit different filtration needs from 3500 to 2 micron, as well as media filtration systems including sand, gravel, and multi-media filters for drinking water, wastewater, and water recirculation.

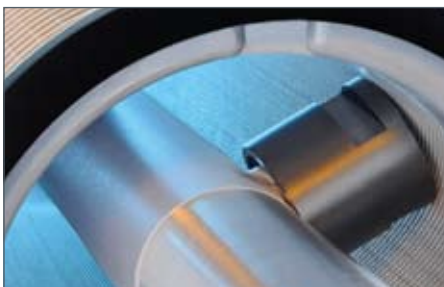


PATENT PENDING

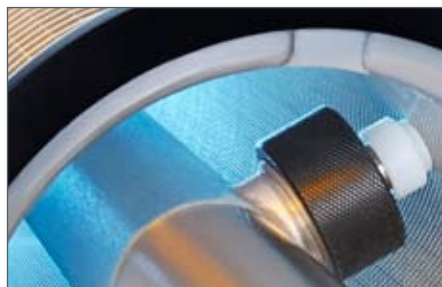
suction-scanning technology

Fast, Efficient Self-Cleaning Technology for Continuous Flow of Filtered Water

Amiad's proprietary suction-scanning technology combines focused flush with automation to provide 100% cleaning of the screen area, while using less than 1% of the total process water for cleaning. The self-cleaning cycle is triggered by the accumulation of suspended solids (filter cake) on the screen surface, as measured by the pressure differential. Because cleaning is performed "as needed", it results in minimal water and energy waste. Suction-scanning technology eliminates the need to isolate the filter during the self-cleaning cycle. The focused cleaning and the minimal exhaust requirement allow for uninterrupted process flow.

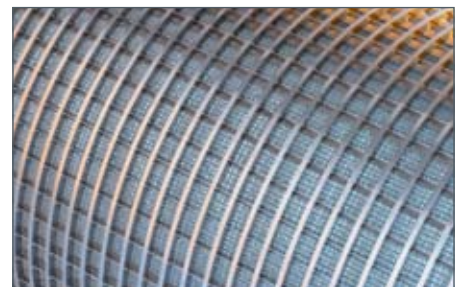


Suction Scanning Technology



PATENT PENDING

Spring Loaded Nozzles [S.L.N.]



Multi-Layer Stainless Steel Screen



Cassette

PATENT

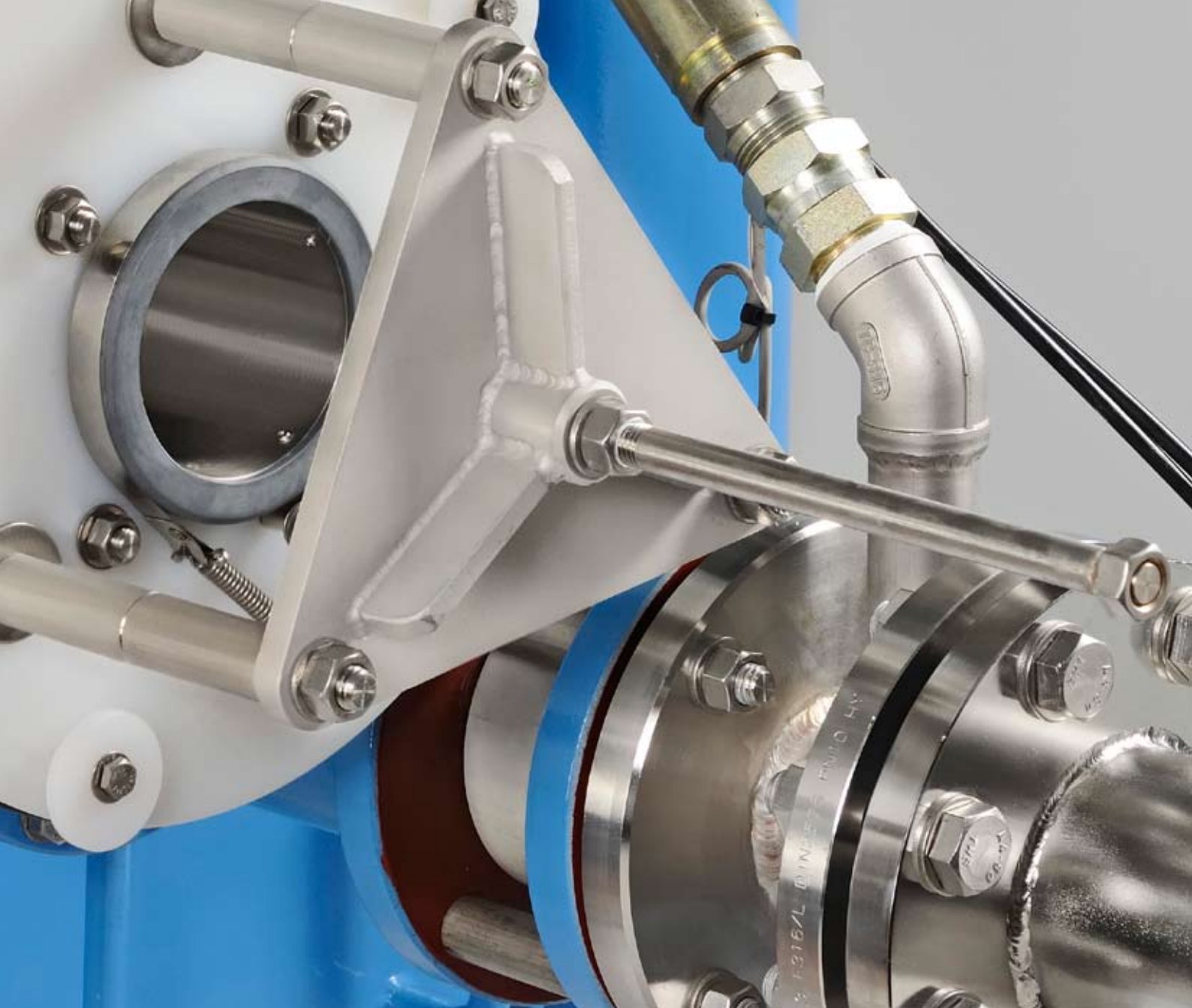


Cartridge (part)

PATENT



AMF² with Cartridge



microfiber technology

Amiad uses microfiber thread technology to create highly-effective self-cleaning filter systems. The automatic self-cleaning filters use a unique filtration medium constructed of fine threads wound in layers around a grooved plastic spool cassette, removing dirt particles as water flows through multi-layered cassettes to the collecting pipes and out of the filter via outlets. The accumulation of dirt particles causes differential pressure. At a preset pressure differential value or time interval, the control unit activates the self-cleaning cycle.

amiad applications

industrial & municipal applications

A oil & gas

A1 cooling water

A2 injection water

A3 pre-filtration to membranes

A4 produced water

B waste water

B1 pre-filtration to membranes

B2 polishing

B3 intake water

C industrial

C1 cooling towers

C2 intake water

C3 pre-filtration to membranes

C4 process water

D municipal

D1 removal of desolved chemical elements

D2 pre-filtration to membranes

D3 potable water

D4 desalination



B3

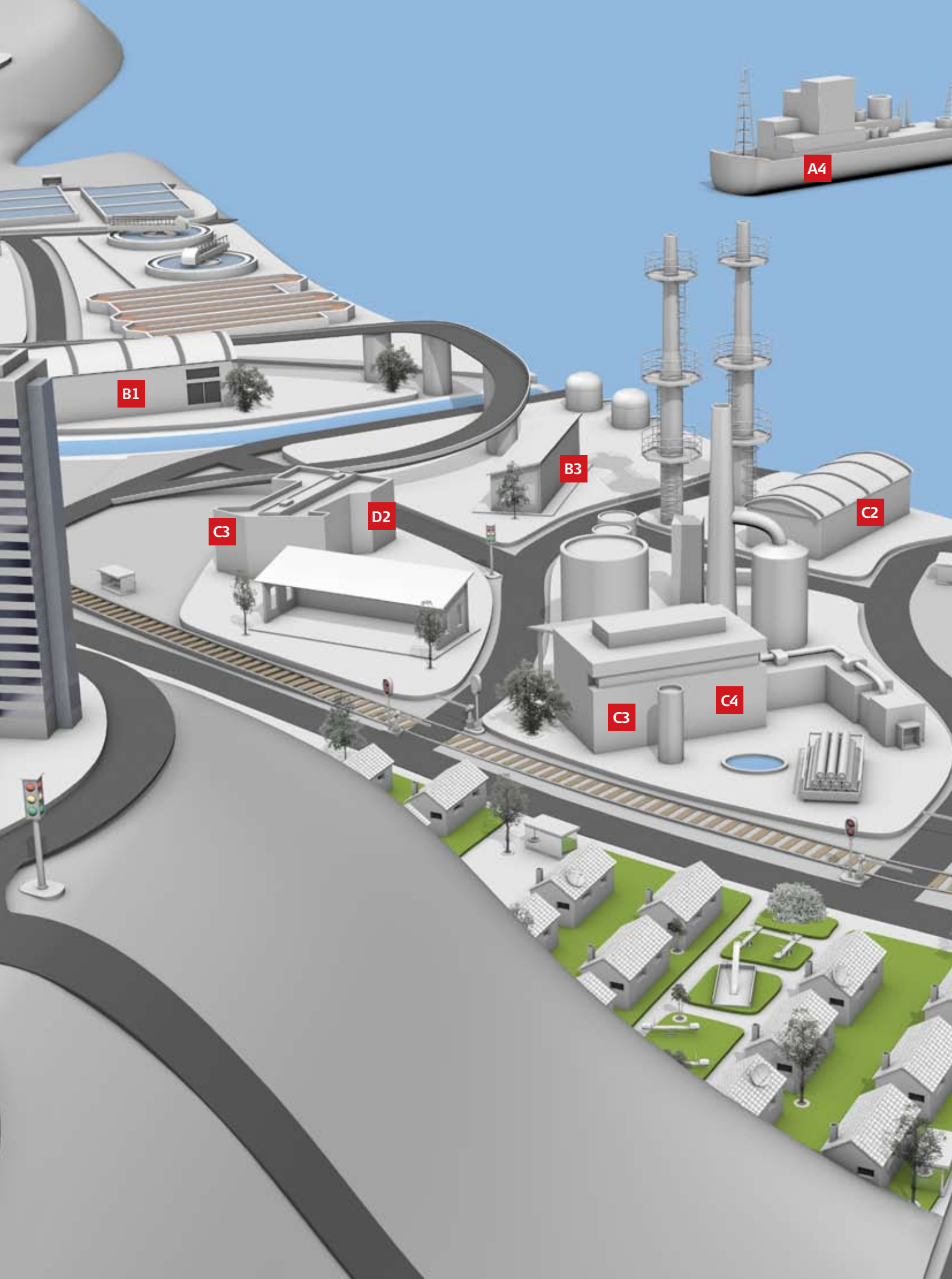
B2

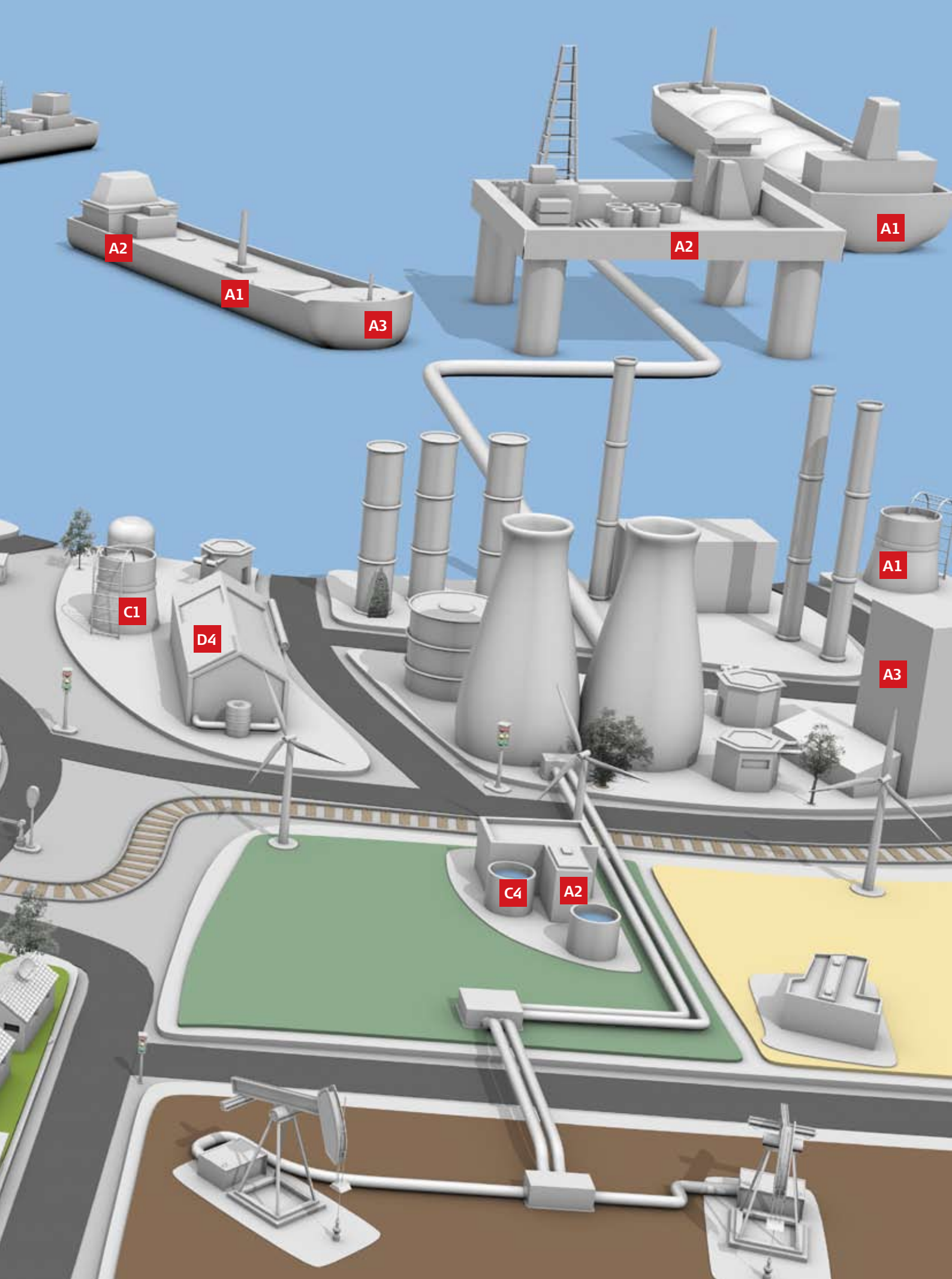
D2

D3

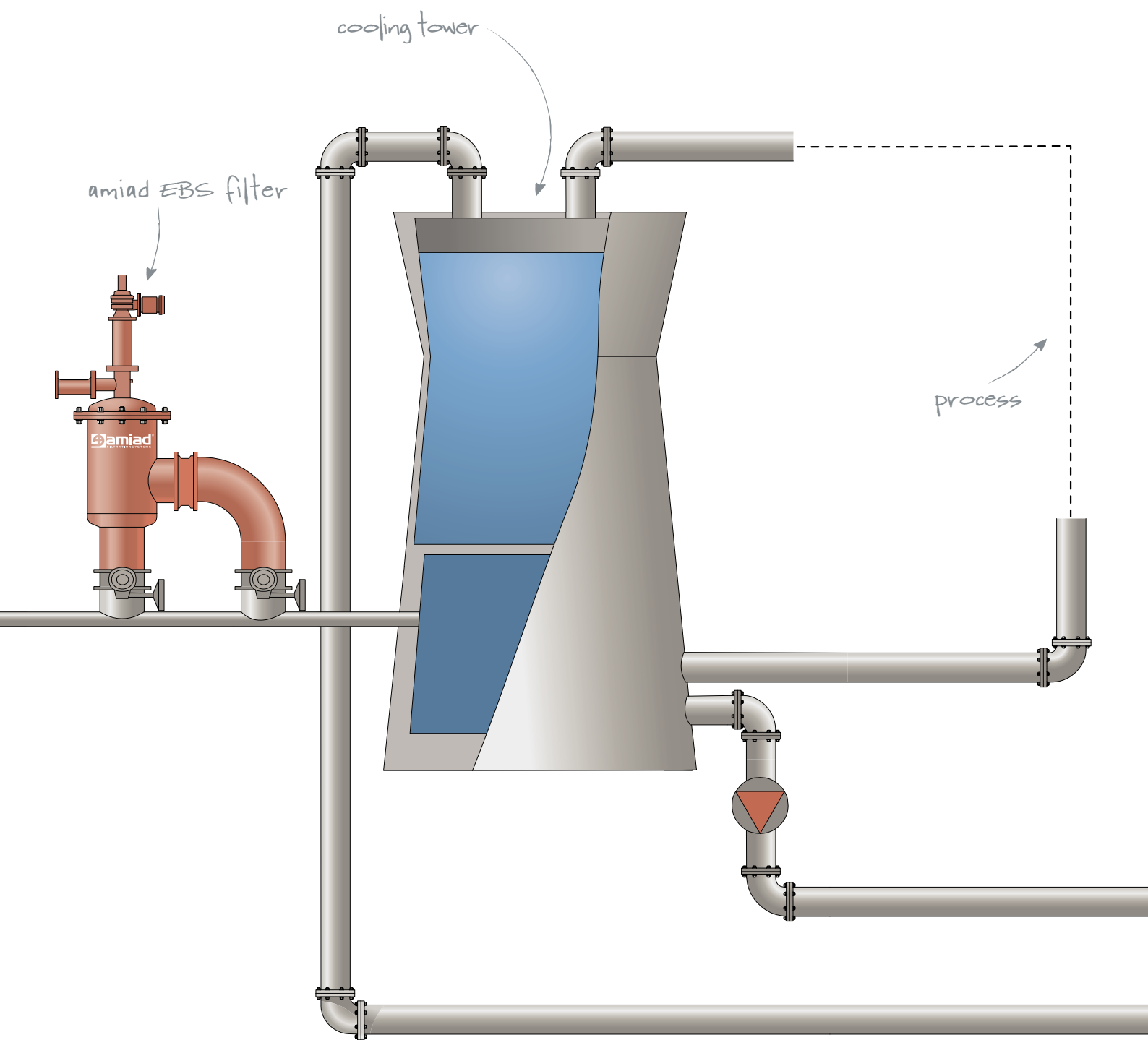
D4

D1





cooling tower





EBS 10000 - 10 micron

Project: Refinery, Mexico

Application: Polishing after Water Treatment Plant

Flow rate: 400 m³/h; 1760 USgpm

Filtration degree: 10 micron

Water source: Treated municipal water

Filtration solution: 5 x 8" EBS 10000

our benefits



Small Footprint



Water Conservation



Green Technology



ROI



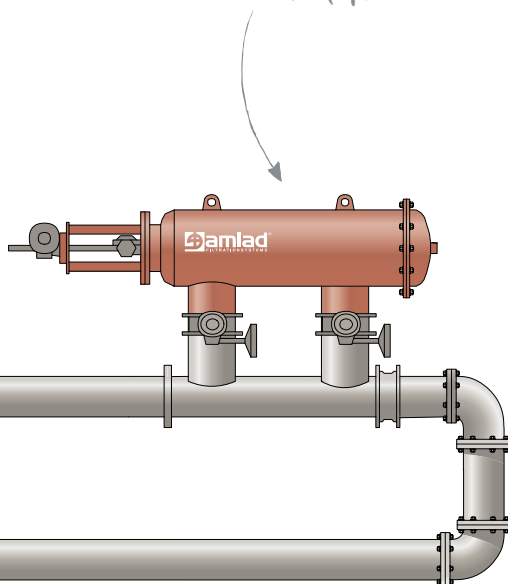
Low Maintenance



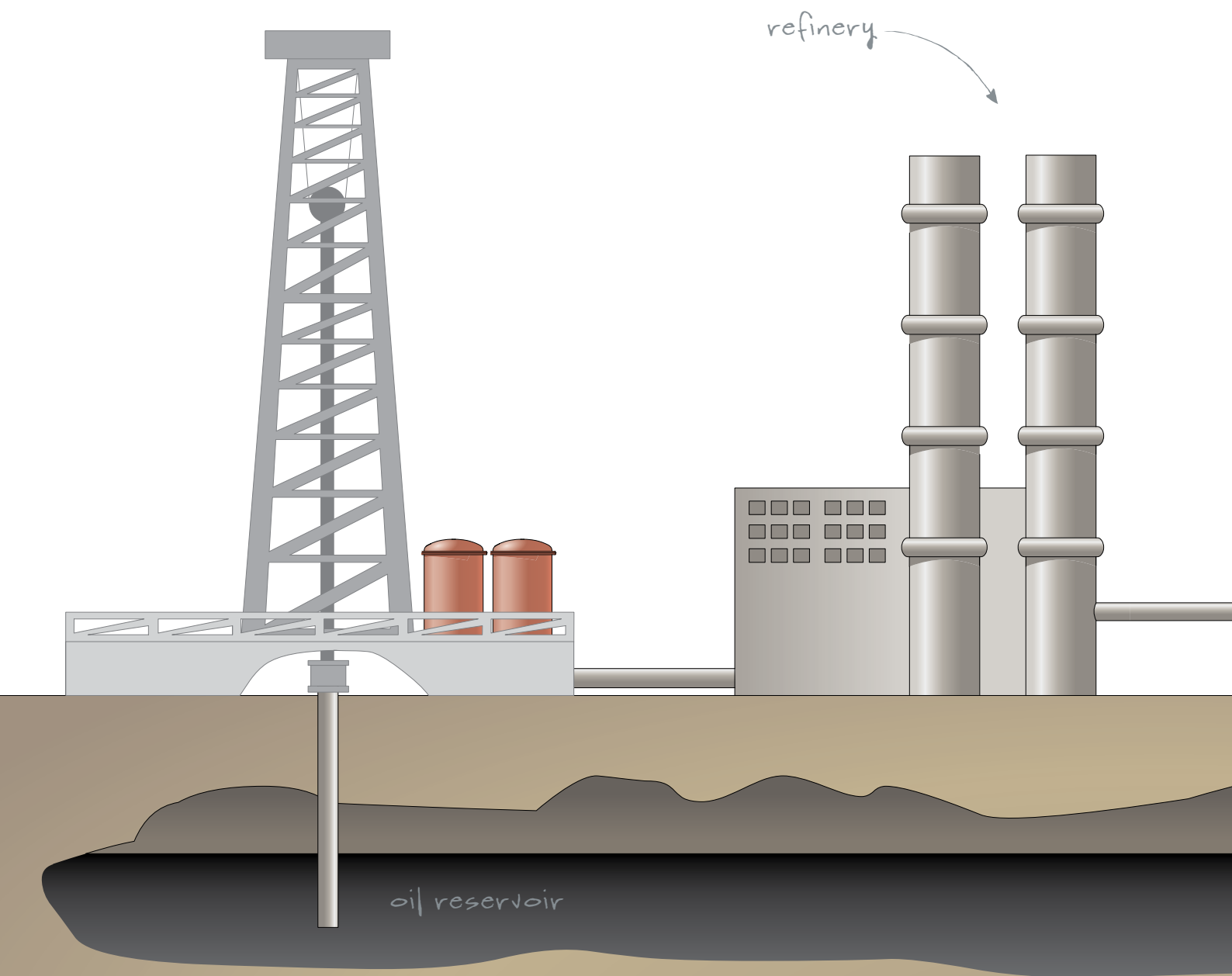
Commitment

Alternative Technology: Granular Filtration, UF Membranes

amiad SAF filter



oil & gas injection water





EBS 10000 - 10 micron

Project name: FPSO, Singapore

Application: Injection Water

Flow rate: 220 m³/h, 970 USgpm

Filtration degree: Stage 1: 200μ, Stage 2: 25μ, Stage 3: 5μ

Water source: Seawater

Filtration solution: Stage 1: 200μ - 2 x EBS,
Stage 2: 25μ - 2 x EBS, Stage 3: 5μ - cartridge system

our benefits



Small Footprint



Water Conservation



Green Technology



ROI



Low Maintenance



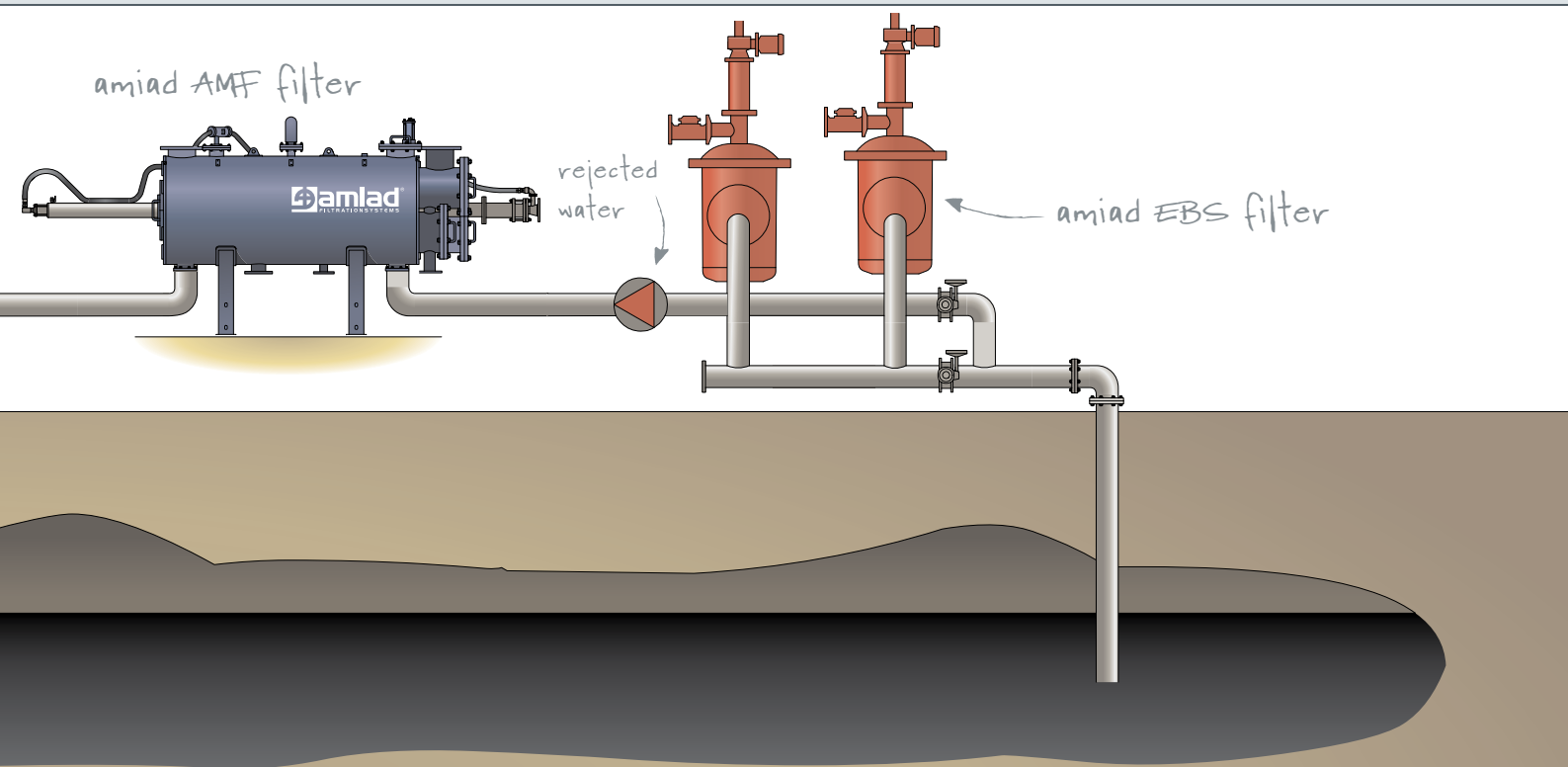
Commitment



Saving Energy

Alternative Technology: Granular Filtration, UF Membranes

Manufactured Under ASME Standard, Rubber Lined, Explosion Proof



wastewater tertiary treatment



AMF² 93K - 10 micron

Project name: Wastewater Treatment Plant, South Carolina, USA

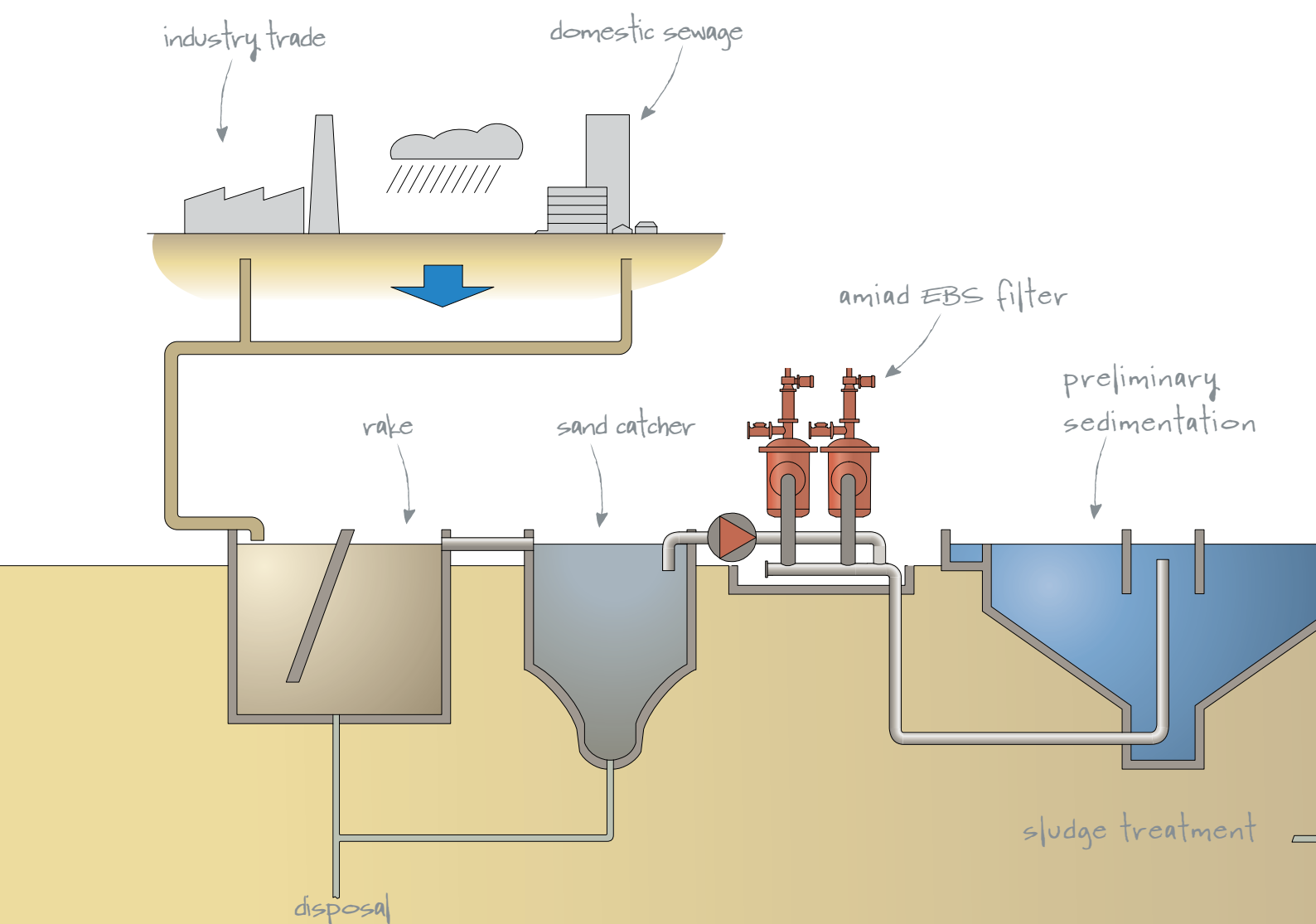
Application: Tertiary Treatment

Flow rate: 57 m³/h ; 250 USgpm

Filtration degree: 10 micron

Water source: Treated wastewater

Filtration solution: 2 x AMF² 93K



our benefits



Small Footprint



Water Conservation



Green Technology



ROI

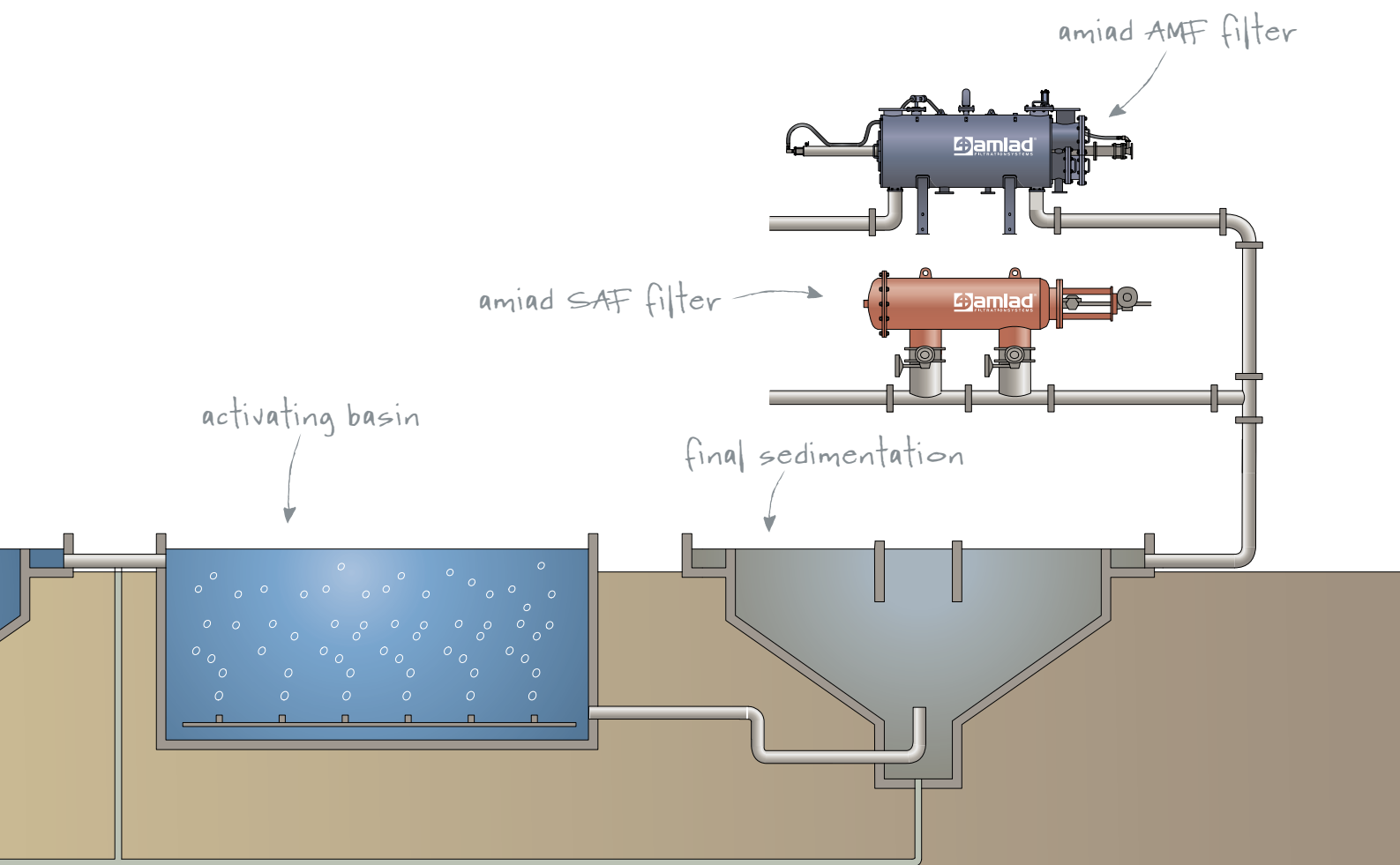


Low Maintenance



Commitment

Alternative Technology: Granular Filtration, UF Membranes



wastewater pre-filtration for UF, RO and UV systems



ABF 10000 - 500 micron

Project name: Newater, Singapore

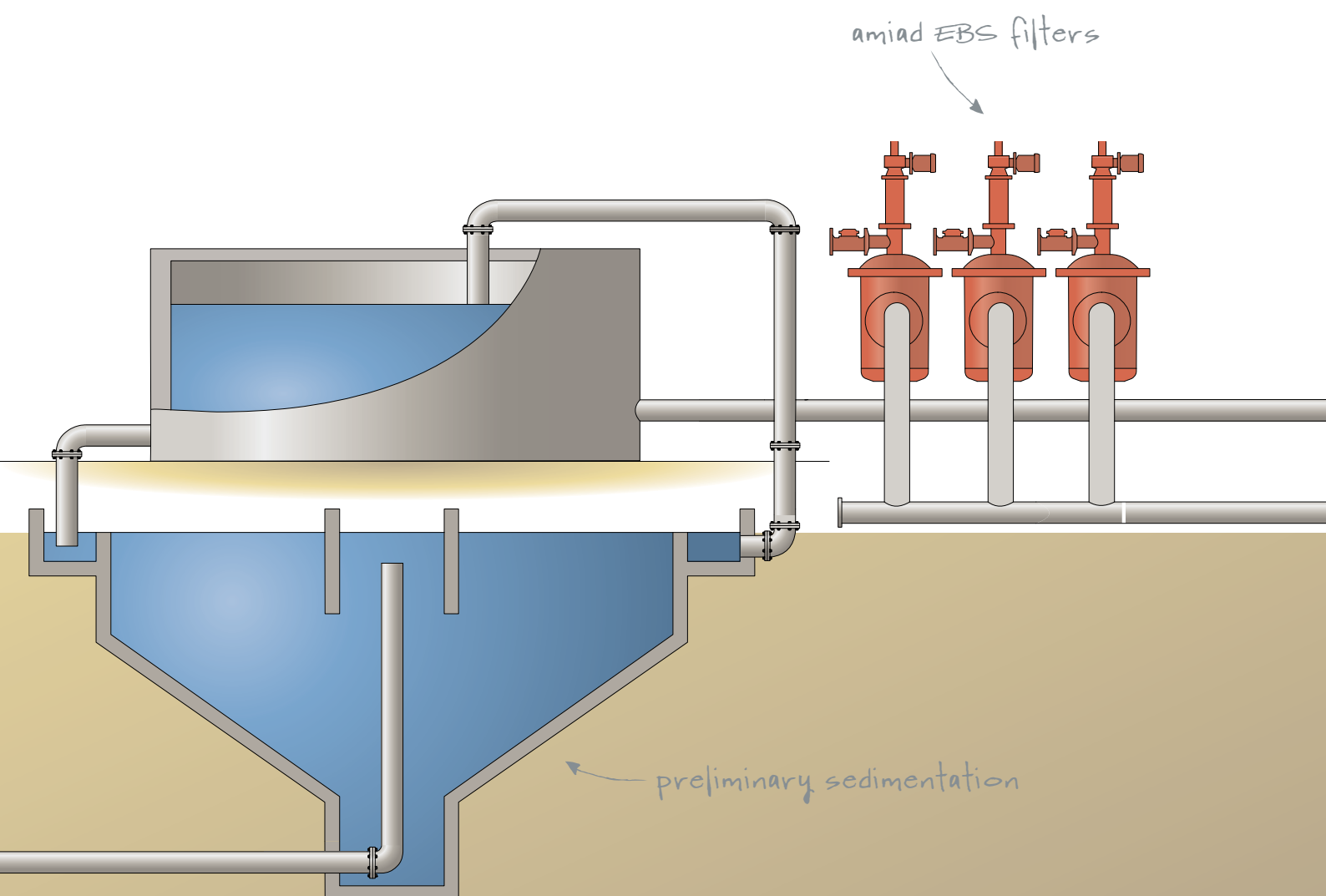
Application: Pre-filtration for UF, RO and UV systems

Flow rate: 2,060 m³/hr; 9,070 USgpm

Filtration degree: 500 micron

Water source: Secondary treated sewage effluent

Filtration solution: 4 x 14" ABF-10000 Filters, stainless steel 316



our benefits



Small Footprint



Water Conservation



Green Technology



ROI



Low Maintenance

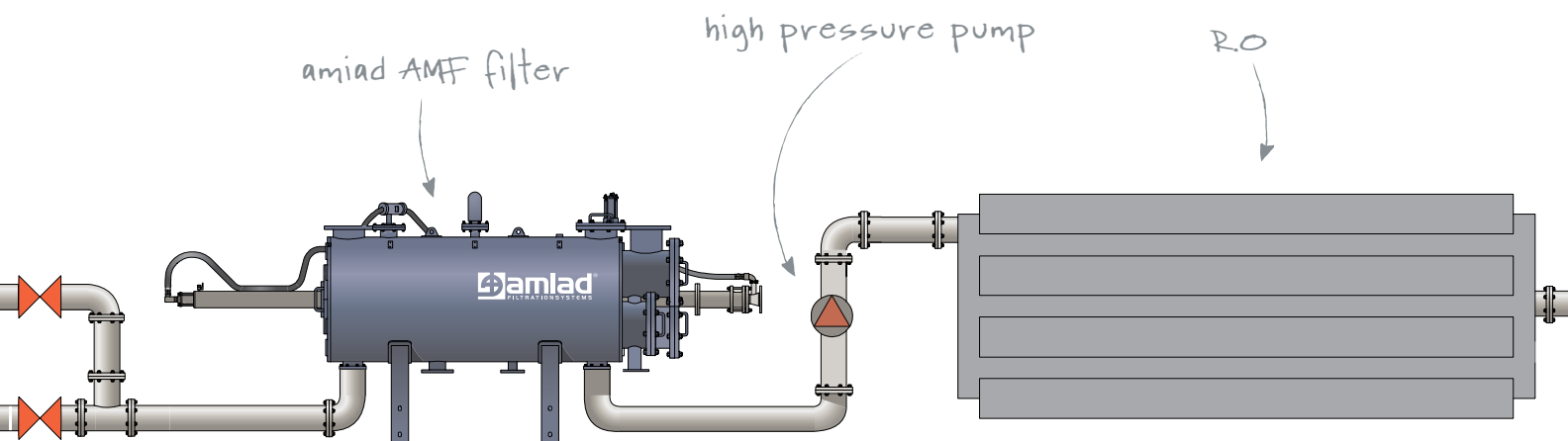


Commitment



Saving Energy

Alternative Technology: Granular Filtration, UF Membranes, Cartridge Filter



cooling tower



ABF 10000 - 1300 micron

Project name: Guangdong Shao Steel Plant, China

Application: Cooling Water

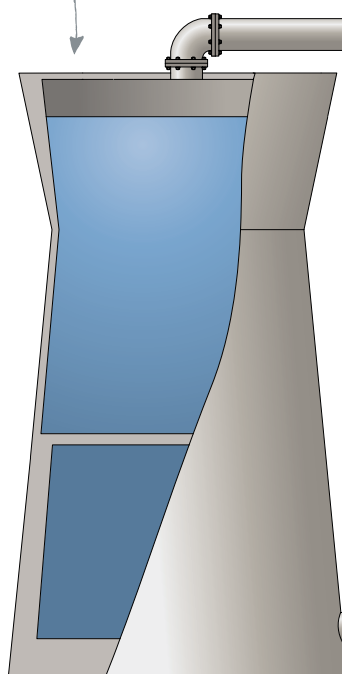
Flow rate: 8,000 m³/h ; 35,200 USgpm

Filtration degree: 1300 micron

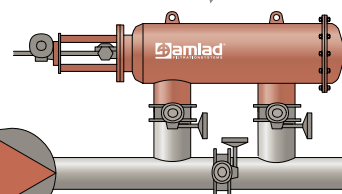
Water source: Dam water

Filtration solution: 8 x 16" ABF

cooling tower



amiad SAF filter



our benefits



Small Footprint



Water Conservation



Green Technology



ROI



Low Maintenance

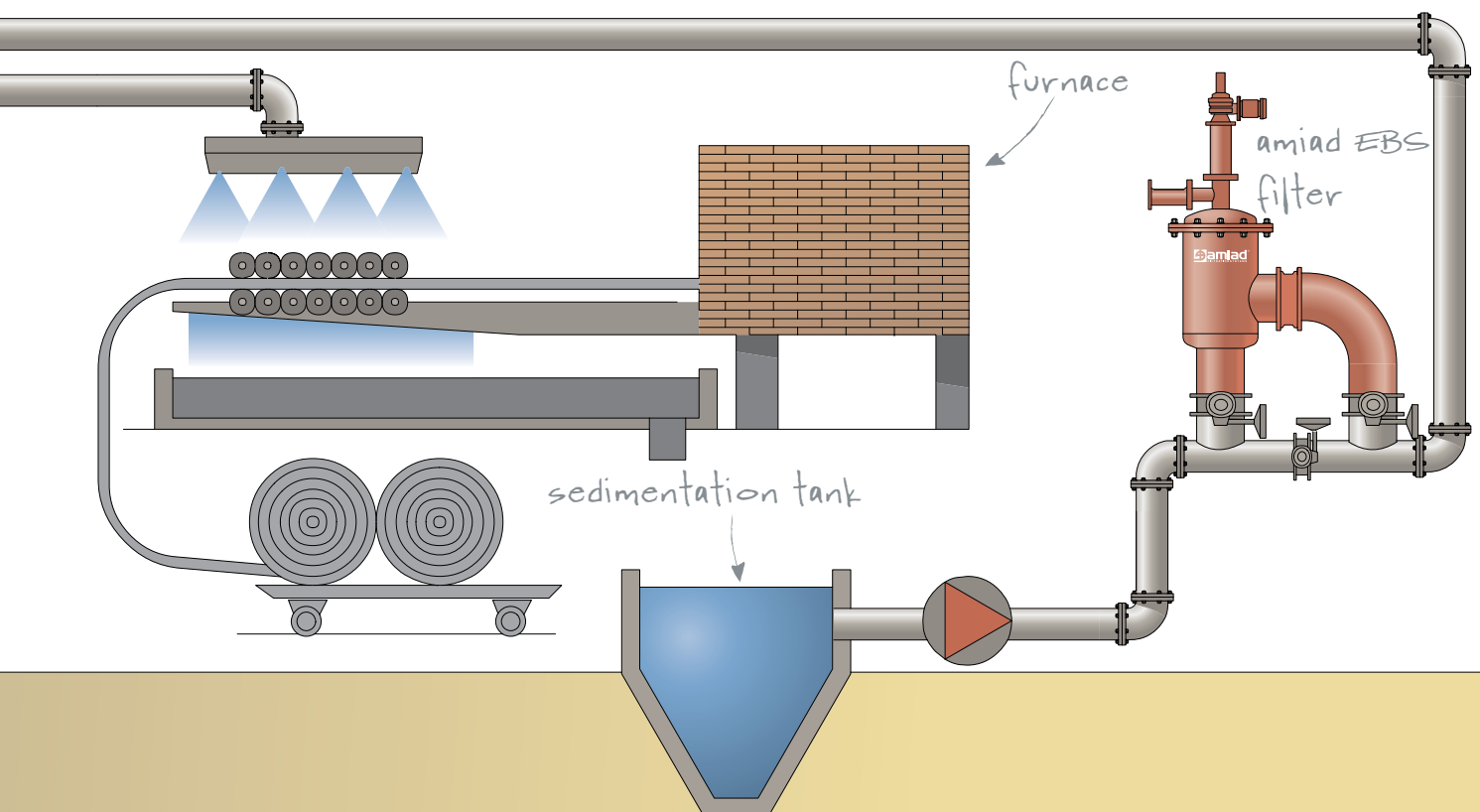


Commitment



Saving Energy

Alternative Technology: Granular Filtration



oil & gas injection water



EBS 10000 - 25 micron
AMF² 370k - 7 micron

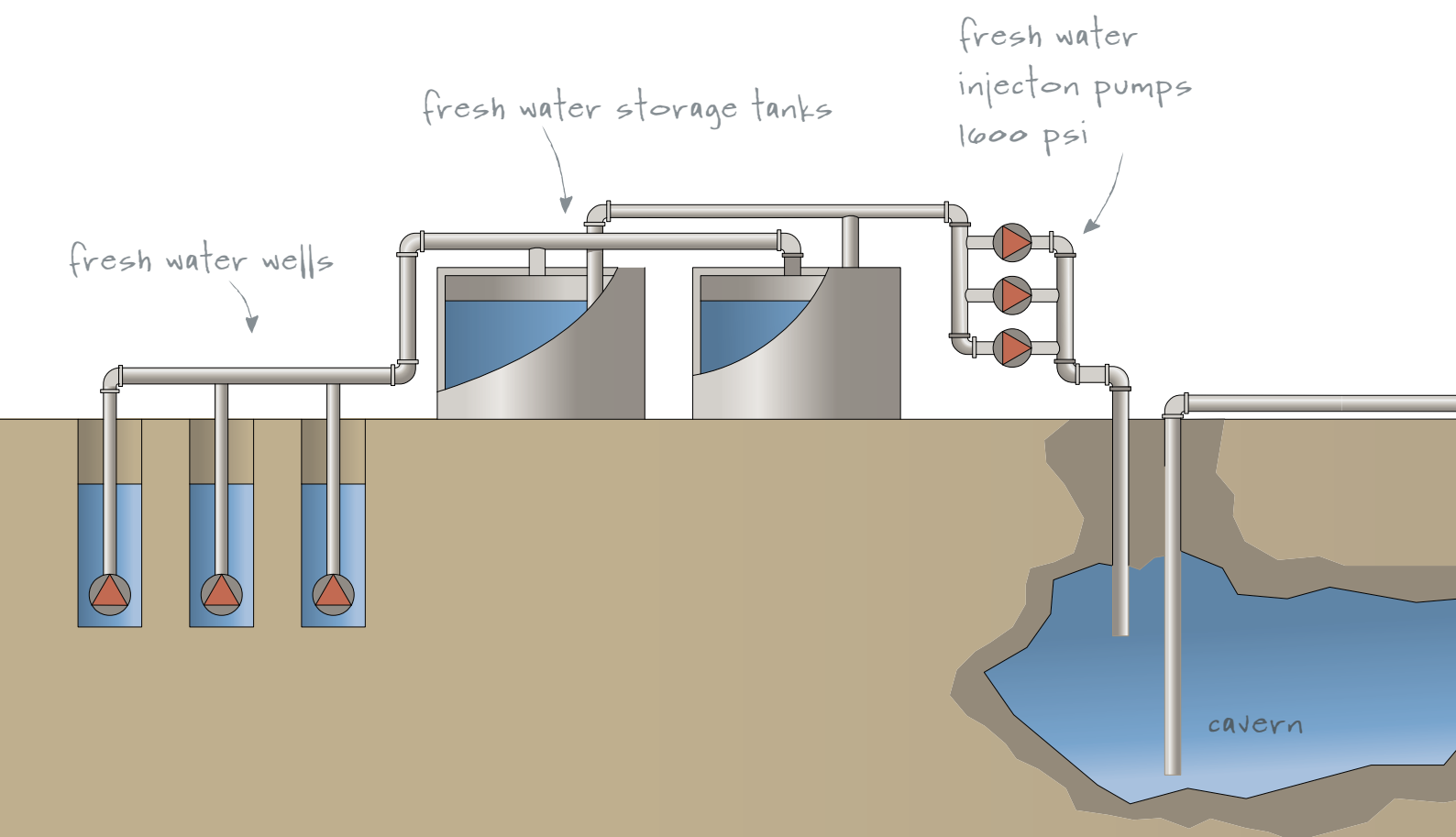
Application: Salt dome leaching for gas storage

Flow rate: 8000 USgpm

Filtration degree: stage 1: 25 micron stage 2: 7 micron

Water source: Salt dome leach water
(100% brine saturation)

Filtration solution: stage 1: 70 x EBS 10000
stage 2: 20 x AMF² 370k



our benefits



Small Footprint



Water Conservation



Green Technology



ROI

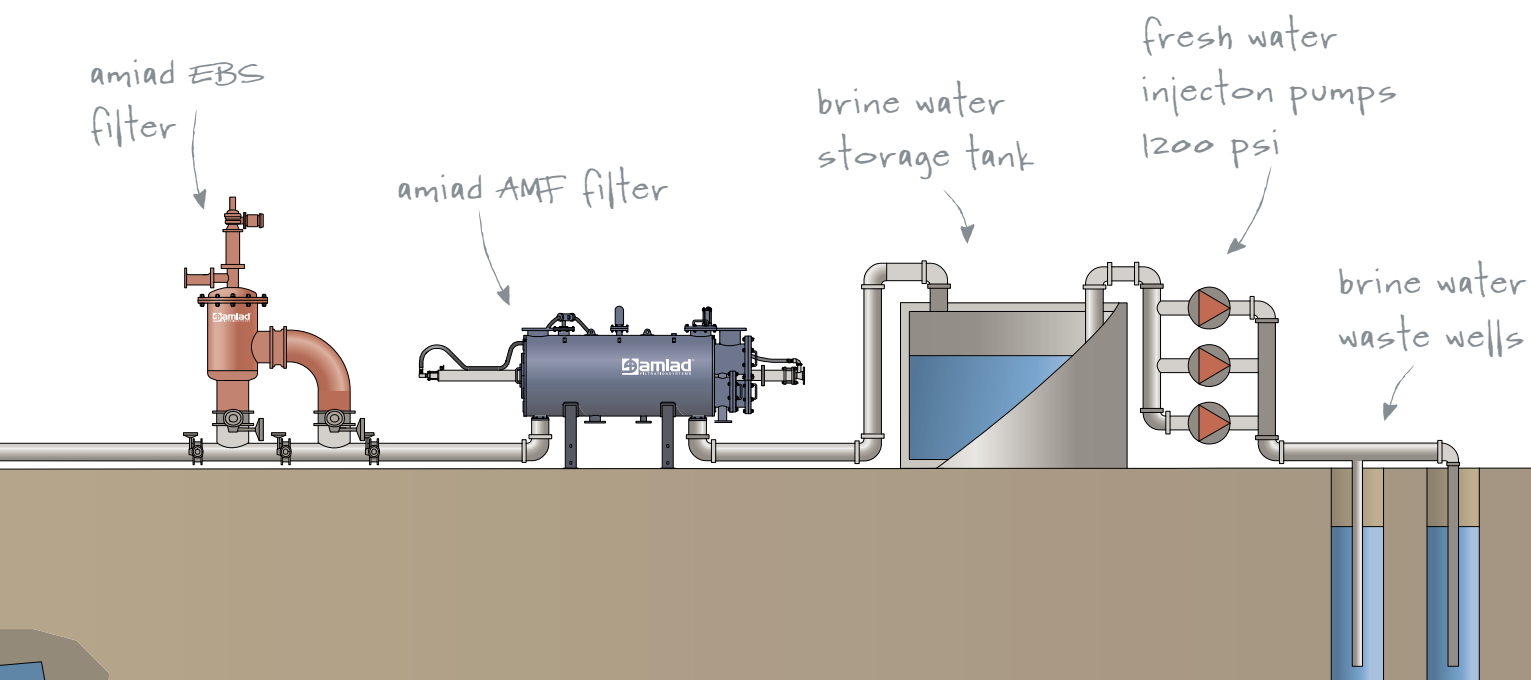


Low Maintenance



Commitment

Alternative Technology: Granular Filtration, UF Membranes, Cartridge Filters



potable water



AMF² 370K - 3 micron

Project name: Ramenskoe Potable WTP, Russia

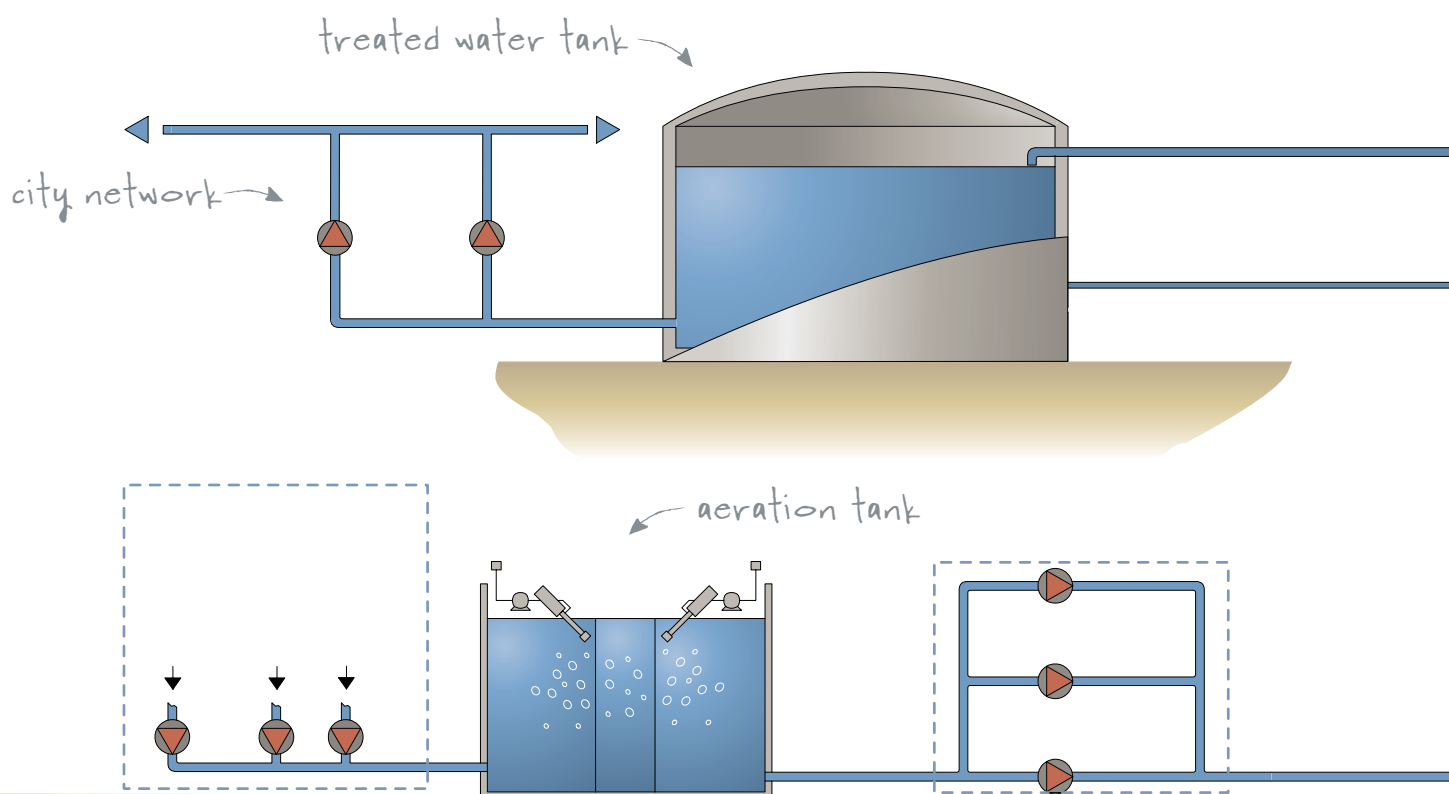
Application: Iron removal

Flow rate: 250 m³/hr ; 1,100 USgpm

Filtration degree: 3 micron

Water source: Wells

Filtration solution: 2 x AMF² 370K



our benefits



Small Footprint



Water Conservation



Green Technology



ROI



low maintenance

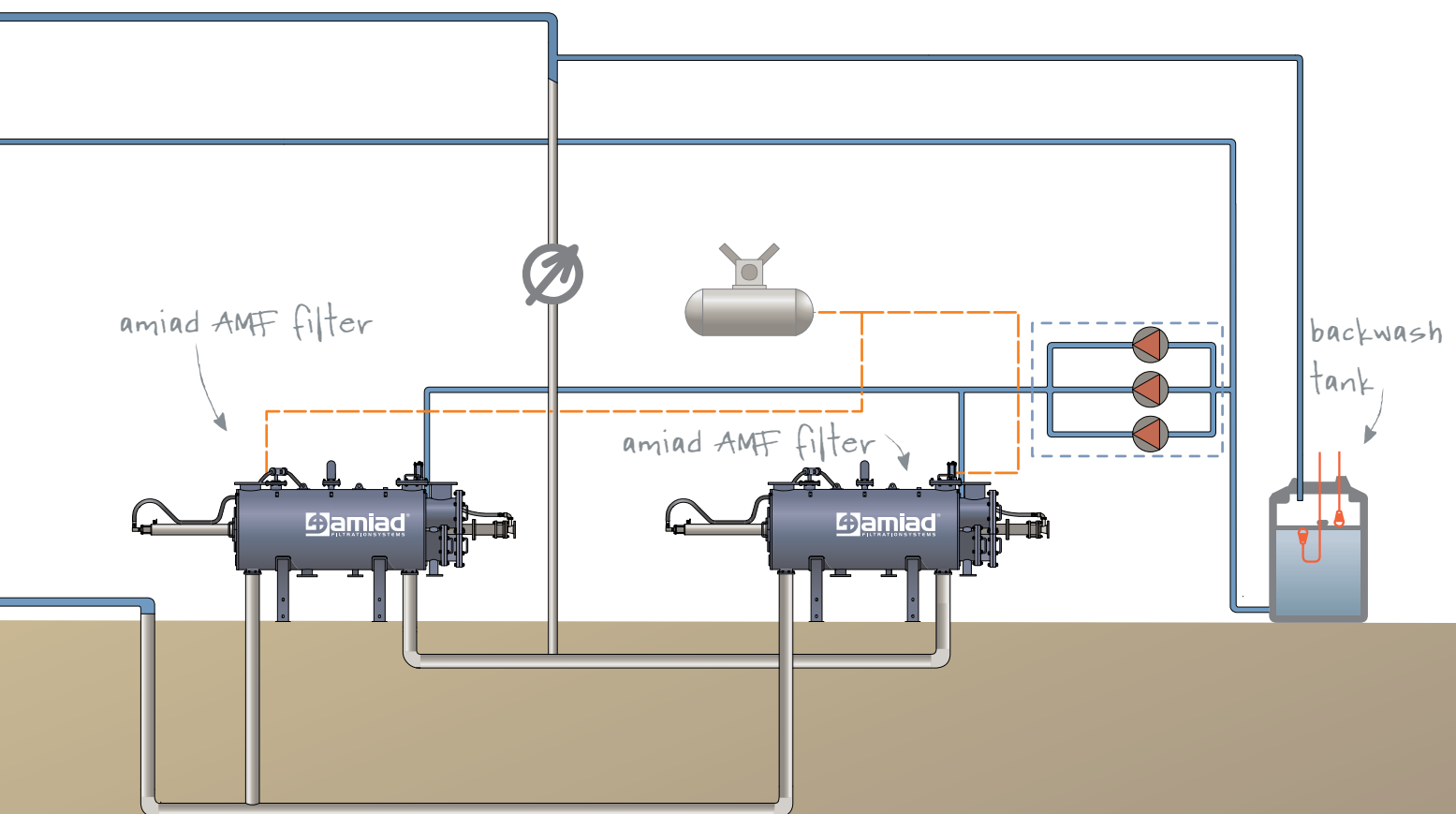


Commitment



Saving Energy

Alternative Technology: Granular Filtration, UF Membranes



tertiary treatment



EBS 10000 - 200 micron

Project name: Raanana WWTP, Israel

Application: Tertiary treatment

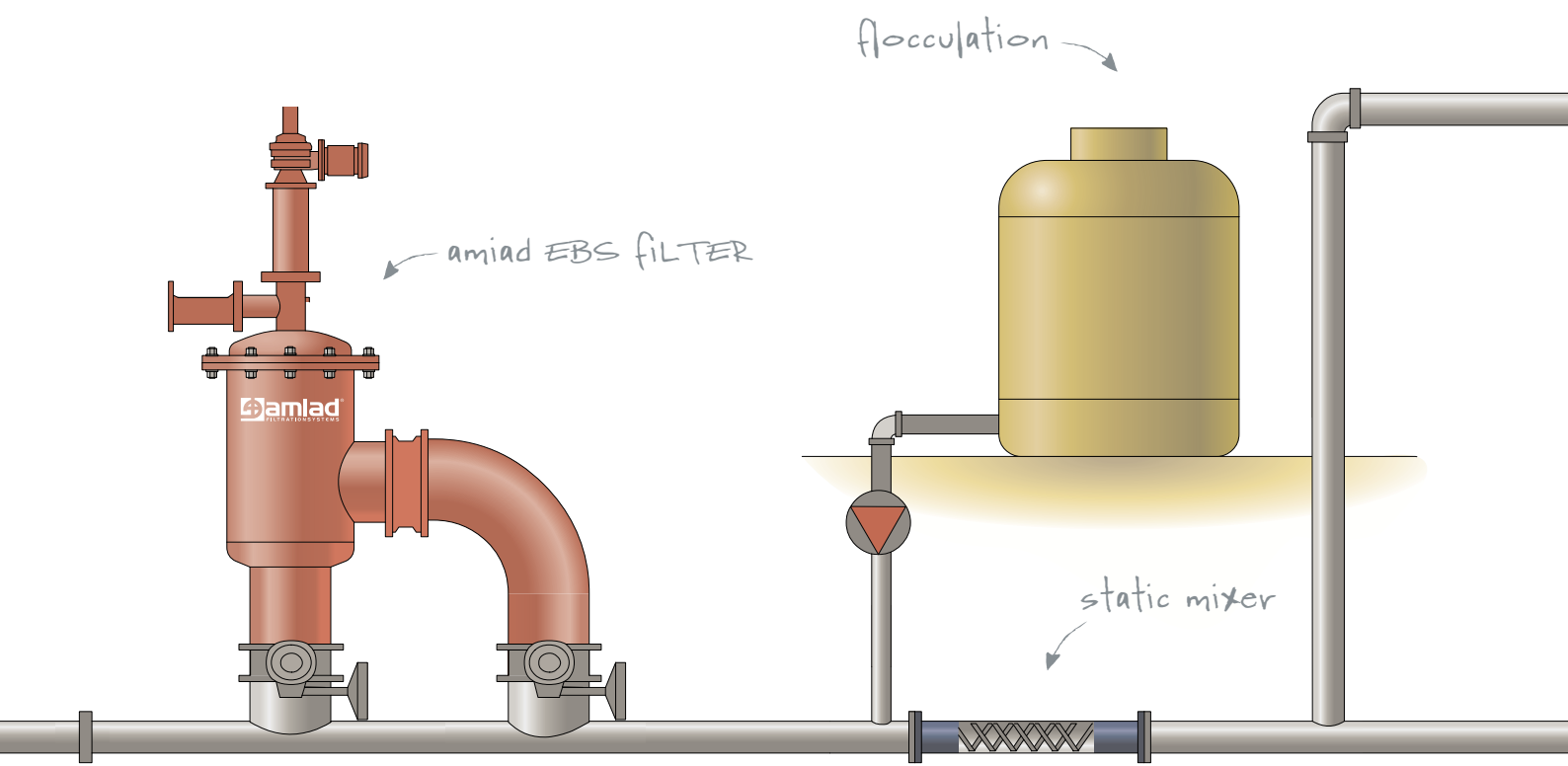
Flow rate: 750 m³/h ; 1,980 USgpm

Filtration degree: 200 micron (EBS filters)

Water source: Municipal wastewater

Filtration solution: Pre-filtration: 2 x 12" EBS

Main filtration: 8 x 3.3 meters multi media filters



our benefits



Water Conservation



Green Technology



ROI

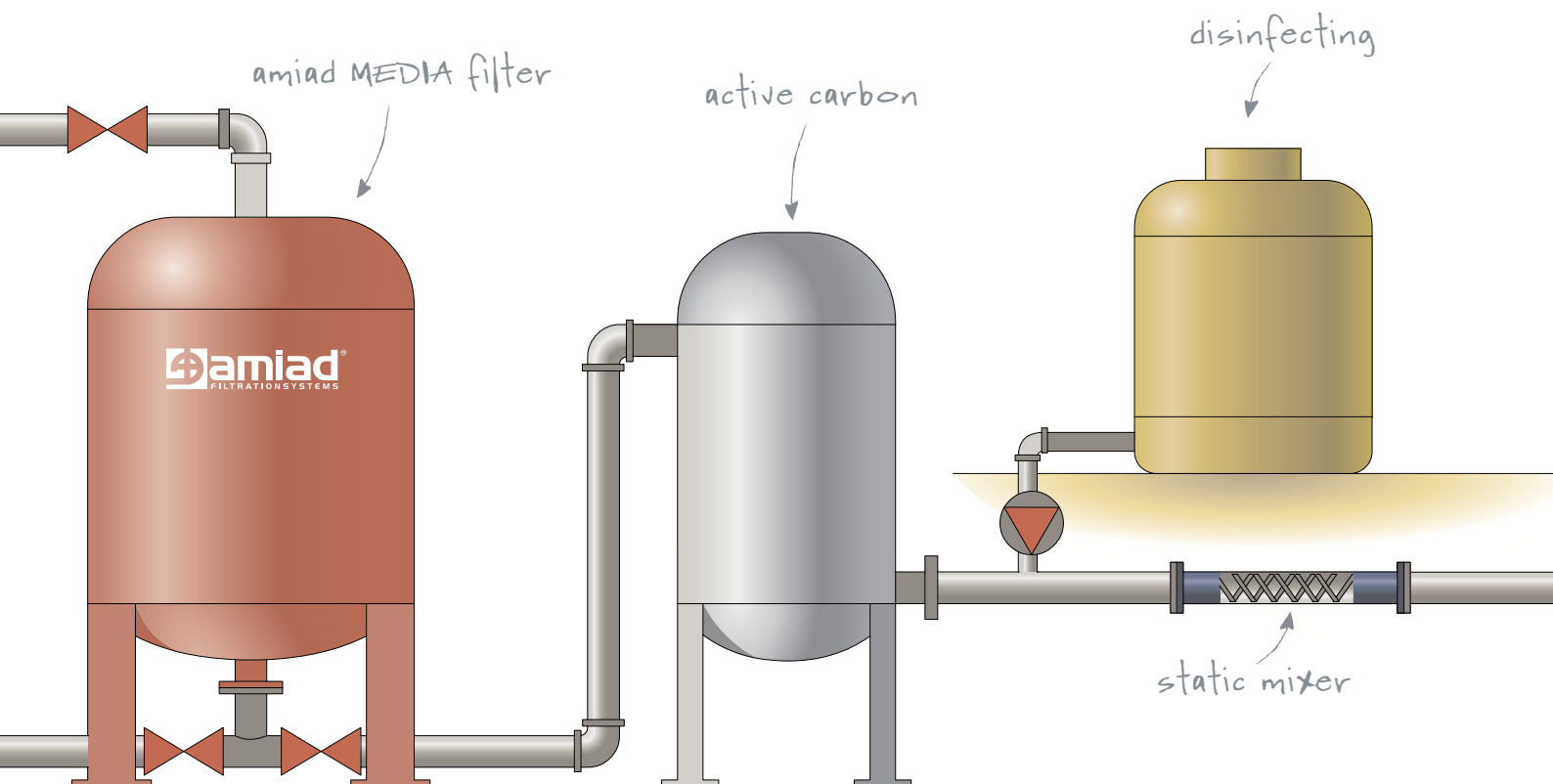


Low Maintenance



Commitment

Alternative Technology: UF Membranes



pre-filtration to Sea Water Reverse Osmosis (SWRO)



AMF² 93K - 3 micron

Project: SWRO, Cyprus

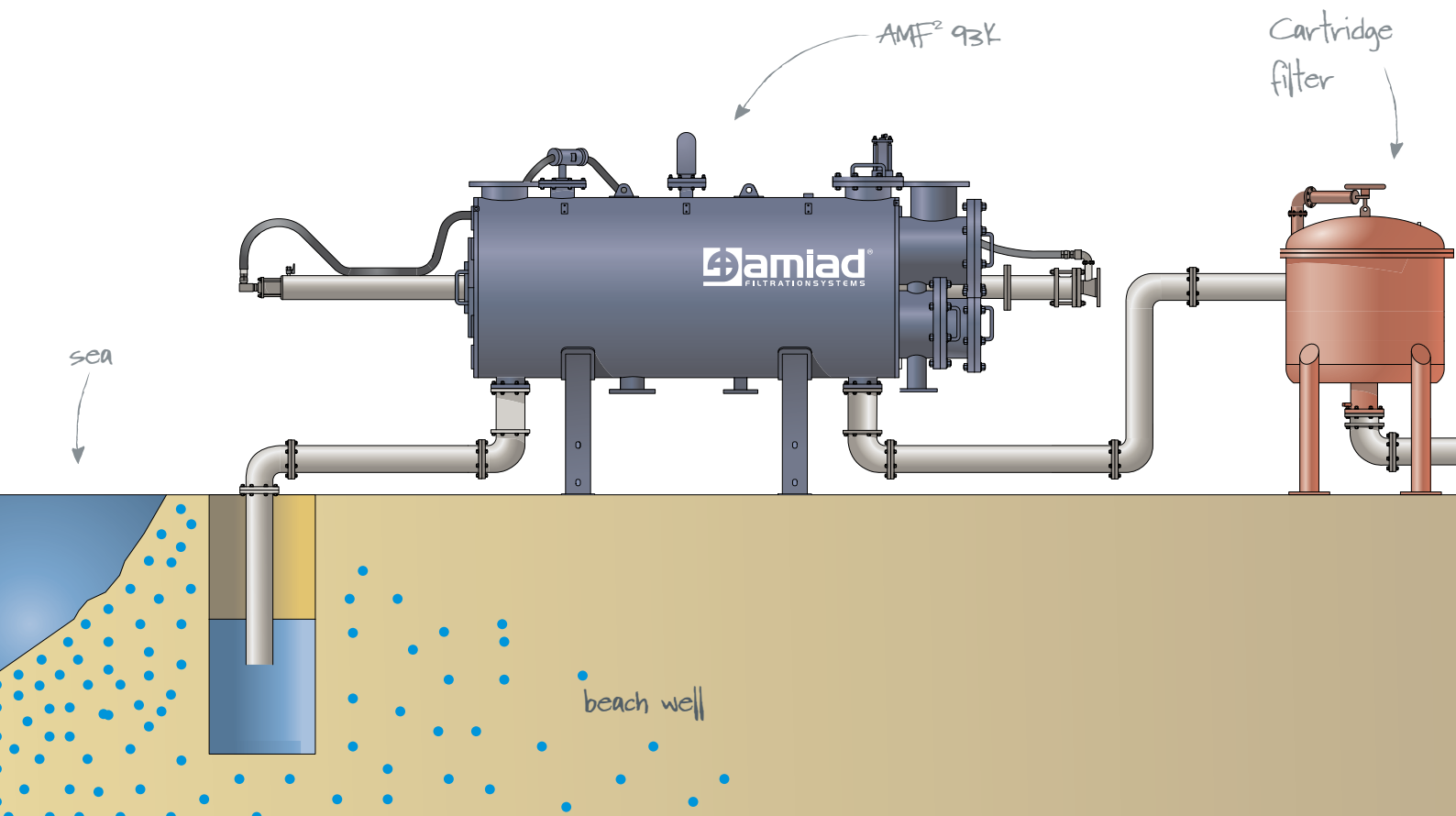
Application: Pre-filtration to SWRO

Flow rate: 230 m³/h ; 1,012 USgpm

Filtration degree: 3 micron

Water source: Beach well seawater

Filtration solution: 5 x AMF² 93K Rubber-lined
St. St. 904-L internals



our benefits



Small Footprint



Water Conservation



Green Technology



ROI



Low Maintenance

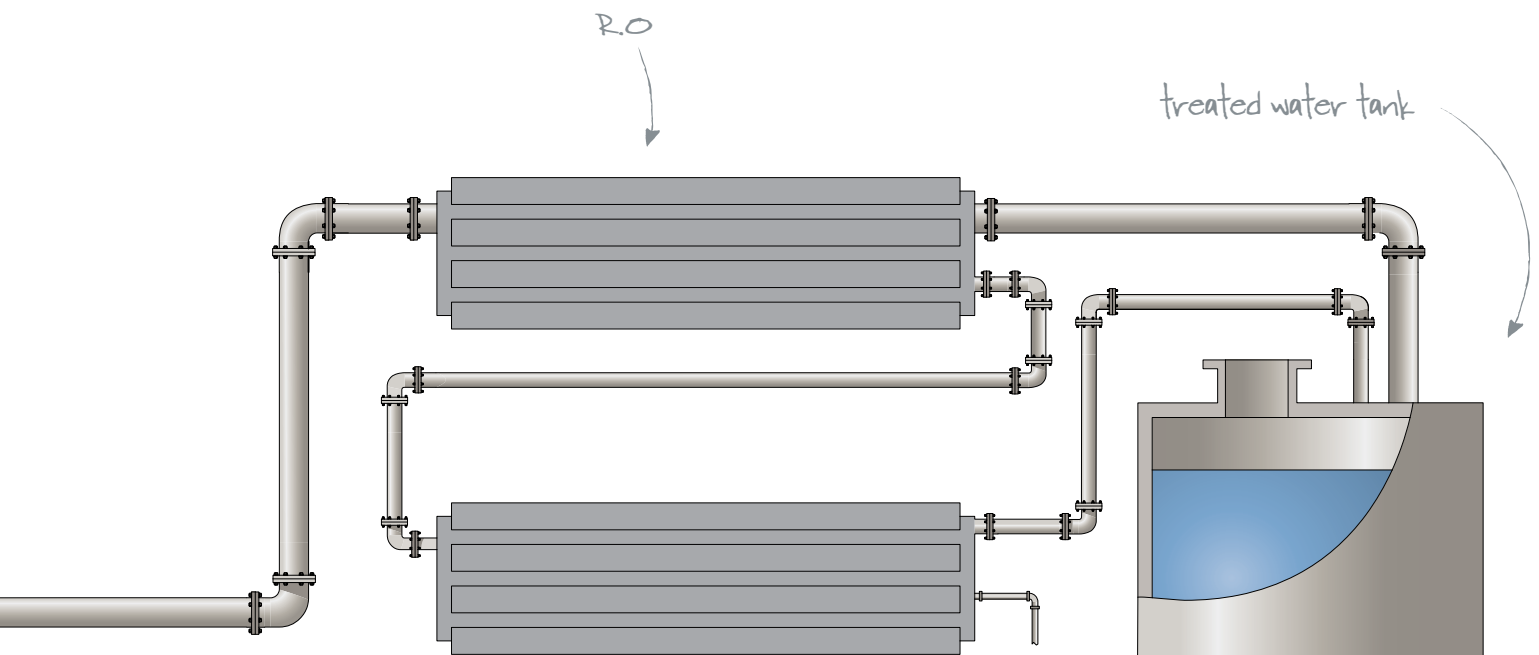


Commitment



Saving Energy

Alternative Technology: Granular Filtration, UF Membranes



automatic filters

amiad series

EBS Series

The EBS is an automatic filter, with a self-cleaning mechanism driven by an electric motor. The EBS is designed to work with various types of screens in filtration degrees from 800 to 10 micron, and is available in 8" to 24" inlet/outlet diameter.



EBS Series

ABF Series

The ABF filter is a heavy duty filter, which has built-in automatic self-cleaning features to maintain and clean the filter screen during operation. The filter is designed to achieve filtration from 3500 micron to 200 micron through varying the filter screen size. The ABF filter is available in sizes ranging from 8" to 24".



ABF Series

SAF Series

The SAF series are automatic filters, with a self-cleaning mechanism driven by an electric motor. The SAF filters are designed to work with various types of screens in filtration degrees from 800 to 10 micron. The ABF series is available in inlet/outlet diameters of 2" to 10".



SAF Series

TAF Series

The TAF is an easy-to-operate automatic plastic filter, with a self-cleaning mechanism driven by an electric motor. The filter is designed to work with various types of screens in filtration degrees from 500 to 10 micron. The TAF filter is available in 2" and 3" inlet/outlet diameter.



TAF Series

Sand/Media Filters

Sand gravel filters for irrigation, industrial and municipal applications. Advanced design allows perfect water distribution during filtering and backwashing. Custom-designed, manual or automatic backwash systems come complete with manifold, valves and control.



automatic filters

filtomat series

Filtomat M100 & M300 Series

The FILTOMAT M100/M300 series are automatic hydraulic filters, with a self-cleaning mechanism powered by a water-driven turbine. This series of filters is designed to work with various screen types, with filtration degrees from 3000 to 15 micron, and is available in 2" to 18" inlet/outlet diameters.

Filtomat MCFM Series

Automatic self-cleaning filter for high flow rates and high dirt loads, in a compact design. This series of filters is designed to operate in low pressure conditions, with hydraulic or electric control.



M100 Piston Series



M100 Pistonless Series



M300 Series



MCFM Series

microfiber technology

AMF² Series

Microfiber automatic, self-cleaning filters use a filtration medium constructed of fine microfibers wound in layers around a grooved plastic spool cassette. Microfiber filters achieve a filtration degree down to 2 microns and are well-suited to drinking water supply applications. Microfiber technology filters also have a significant potential for tertiary treatment and polishing of sewage and wastewater.



AMF² 370K



AMF² 93K



AMF² 36K



Cassette & Cartridge

Manufacturer & Headquarters

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