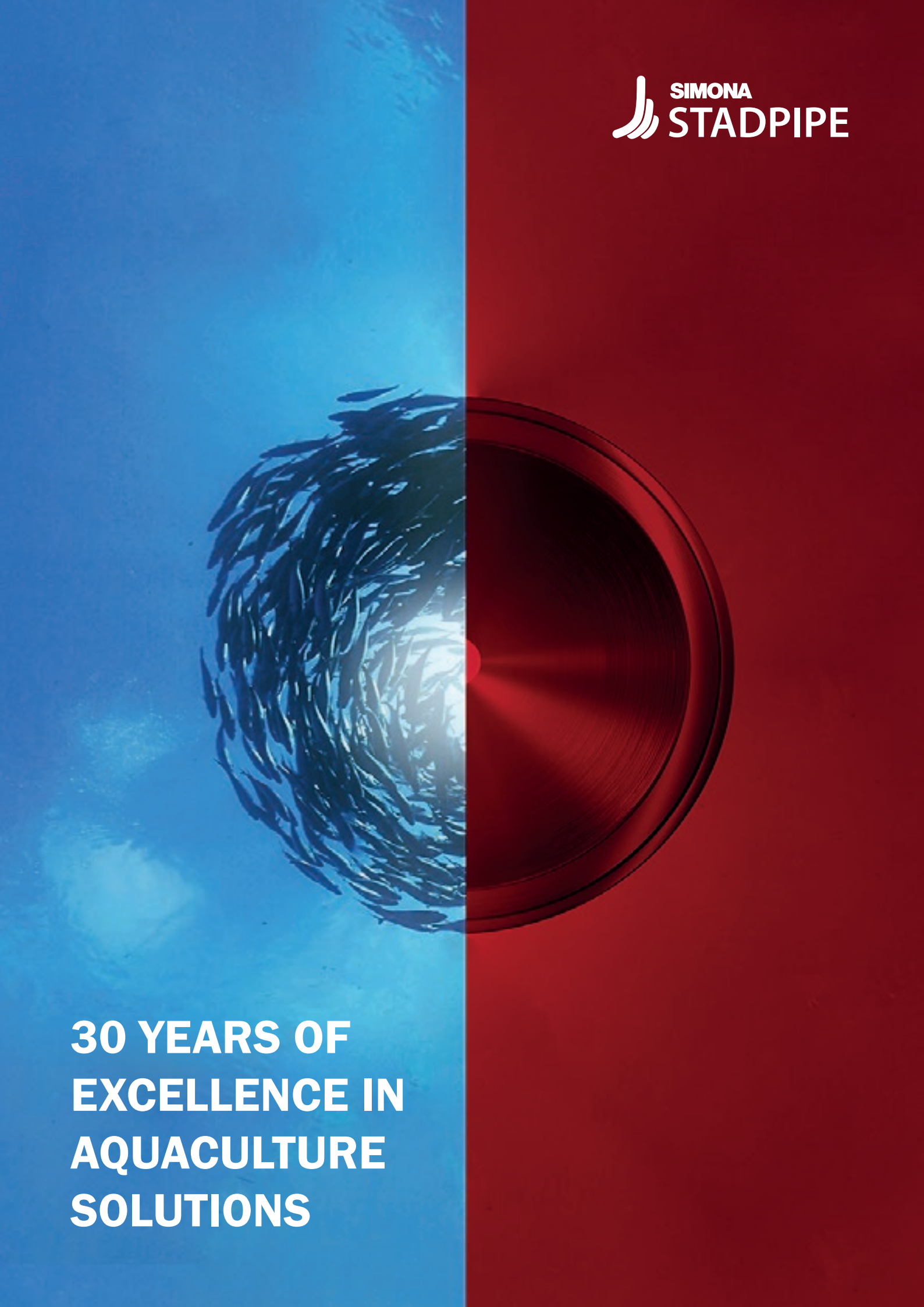
SIMONA
STADPIPE



30 YEARS OF EXCELLENCE IN AQUACULTURE SOLUTIONS

CONTENTS

UNIQUE SOLUTIONS FOR **AQUACULTURE**

Over the past 30 years, we have been at the forefront of developing innovative piping systems that meet the specific needs of our clients. With a commitment to quality, reliability, and tailored solutions.

WORLD LEADING SPECIALISTS IN INNOVATIVE PIPING SYSTEMS, THROUGHOUT THE ENTIRE CHAIN

Our in-depth understanding of the aquaculture market makes us a key partner for land-based fish farms. As demand for sustainable seafood grows, we meet these needs with advanced technology and a comprehensive approach to system design, engineering, production and installation.

The aquaculture industry is expanding rapidly due to global population growth, concerns about overfishing, and rising demand for sustainable food. Land-based fish farming is a critical solution, and with our expertise, we deliver innovative piping systems that support sustainable and efficient operations.

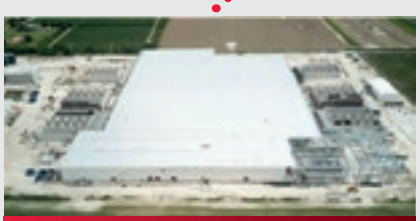
We provide a wide range of products and services, including custom pipes, fittings, sheet materials, and complete engineering solutions. Our team manages every project stage — from planning and design to manufacturing, installation, testing, and delivery — offering turnkey solutions with high-quality products and seamless execution.

With a team of more than 50 skilled professionals, we oversee every stage to ensure precision and excellence. Our engineers have extensive experience in land-based aquaculture projects, including hatcheries, fish farms, and processing plants, offering clients reliability and peace of mind.

As a complete supplier of piping systems, we have supported land-based aquaculture development for decades. Our team's expertise allows us to deliver innovative solutions that boost the sustainability and efficiency of fish farming operations.

We take pride in anticipating future trends and offering innovative solutions for tomorrow's challenges. Driven by a commitment to innovation, quality, and customer satisfaction, we are a trusted partner in global aquaculture. As demand for sustainable seafood grows, we support the long-term sustainability of both the industry and the planet.

WORLDWIDE **EXPERIENCE**



ATLANTIC SAPPHIRE
MIAMI, FLORIDA - USA

Atlantic Sapphire operates a RAS salmon farm. Our delivery includes special parts for the fish transport system, as well as standard pipes and fittings for the facility's operations.

SALMON EVOLUTION
INDRE HARØY, MØRE OG ROMSDAL - NORWAY

Salmon Evolution operates a state-of-the-art hybrid land-based salmon farm at Indre Harøy in Norway. Our delivery includes the supply and installation of manifolds, standard pipes and fittings.

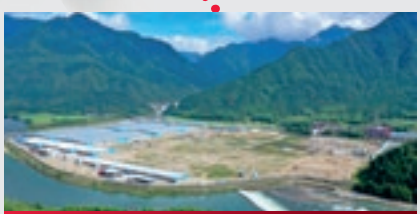
reference list

SOUL OF JAPAN
TSU CITY, MIE - JAPAN

Soul of Japan – Tsu operates a PST RAS salmon farm. Our delivery includes special parts, standard pipes and fittings, as well as start-up supervising services for the client.

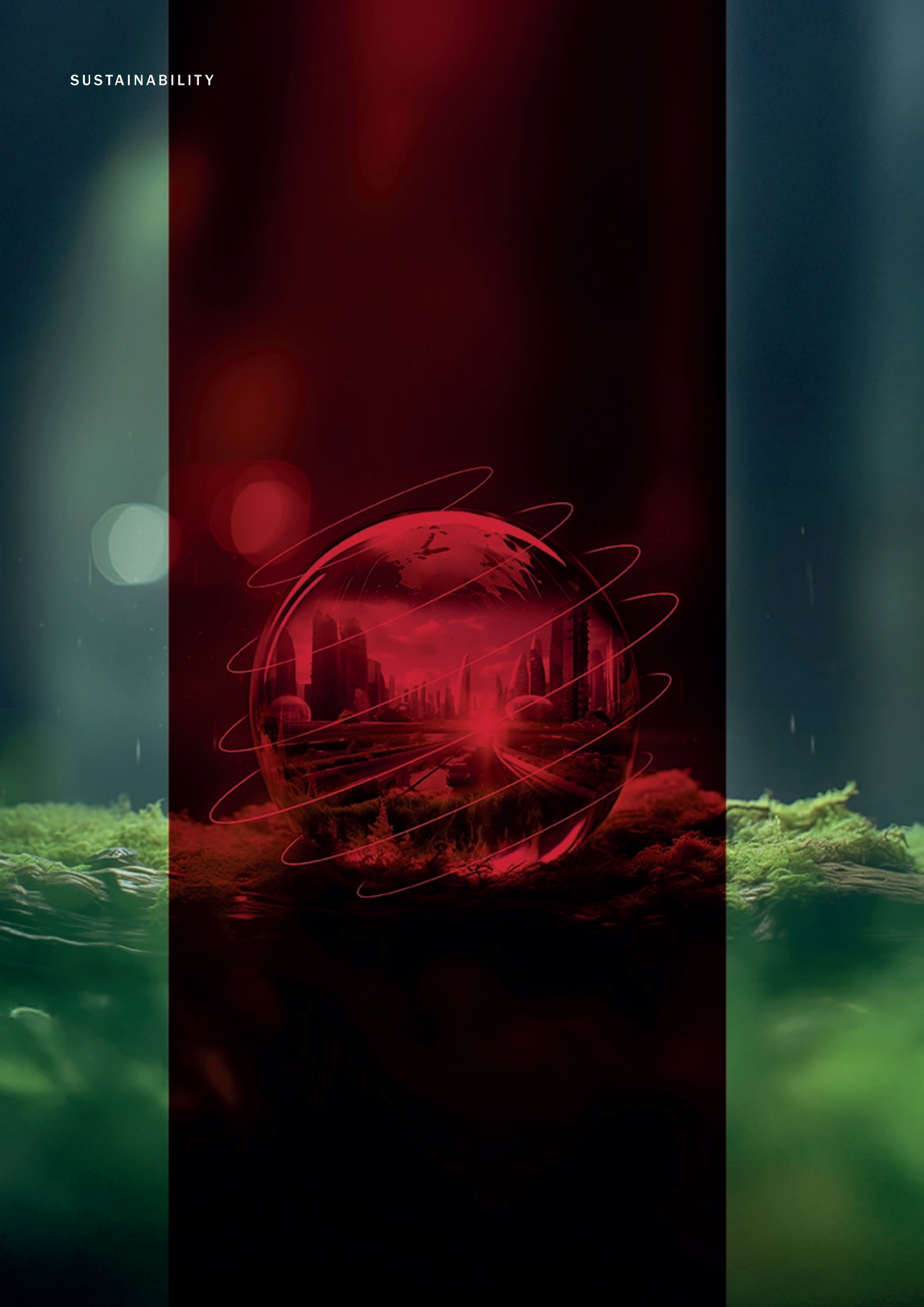
HIMA SEAFOOD
TJUIN, TELEMARK - NORWAY

Hima Seafood operates a RAS trout farm with an annual production capacity of 8,000 tonnes. Our turnkey deliveries include engineering, installation, supply of standard pipes and fittings, as well as the production and delivery of special parts for aquaculture.



ZEHUI AQUACULTURE
FUZHOU, FUJIAN - CHINA

ZeHui Aquaculture operates an eel farm in the north-eastern part of Fujian, China. Our delivery includes a total of more than 2,000 tonnes of SIMONA PE 100 large-format sheets and welding rods from our Jiangmen plant in China.



SHAPING THE FUTURE WITH INNOVATIVE SOLUTIONS FOR SUSTAINABILITY

ACTING SUSTAINABLY

Sustainability is of central importance in a world facing resource scarcity and the impacts of climate change. As humans, we must understand and improve the effects of our actions on the climate, living conditions, and society.

This obligation is not only increasingly mandated by legislative bodies worldwide but is also a goal that SIMONA Stadpipe pursues with deep conviction. As of 2022, sustainability has been firmly embedded in our corporate strategy at SIMONA, leading to a wide variety of measures and changes.

Plastics for the Future

Plastics play a crucial role in the necessary global transformation, particularly regarding the energy transition. Our contribution: CO2-efficient production, innovative materials made from bio-circular or recycled raw materials, long product lifespans, and the establishment of closed material cycles. One example is polyethylene (PE): this material is highly durable and easily recyclable. We recycle end caps and production offcuts from our deliveries into new PE products or process them through environmentally responsible incineration.

Sustainable plastics from our company, marked with our Eco-PlastIQ eco-label, also feature a significantly reduced carbon footprint. They include products made from recycled materials that support the circular economy, as well as plastics produced from bio-circular raw materials, largely eliminating the need for new fossil resources.

Efficient Aquaculture

Aquaculture systems play an important role in global food security. They help reduce overfishing in the oceans and ensure the highest standards in water quality and animal health. With many years of expertise and the use of innovative technologies such as recirculating aquaculture systems (RAS), SIMONA Stadpipe contributes to making land-based fish farming more efficient and sustainable. These systems purify and recycle up to 95% of the water and convert waste products into usable by-products.

Conserving Resources Together

By utilising advanced systems and materials, we create added value for people and the environment. However, we do not achieve this alone: only through collaboration and strong partnerships can innovative complete solutions be implemented, enabling resource-saving projects and setting new standards in aquaculture. Tailored solutions, precisely adapted to the needs of each application, also conserve resources, minimise material waste, save energy, and maximise product lifespans – a significant contribution to greater sustainability.

Global Sustainable Solutions

Our sustainability strategy encompasses products, processes, and people. Our aim is a livable future – with plastics that align with people and nature, fully in line with the United Nations' Sustainable Development Goals that guide us: clean water and sanitation (Goal 6), sustainable industrialisation and innovation (Goal 9), and the preservation of healthy marine ecosystems (Goal 14).

SIMONA is actively committed to CO2 reduction through optimised processes and investments in green technologies. All our products meet the standards ISO 9001:2015, NS-EN 12201, NS 416, and NS 9416.

TECHNOLOGIES

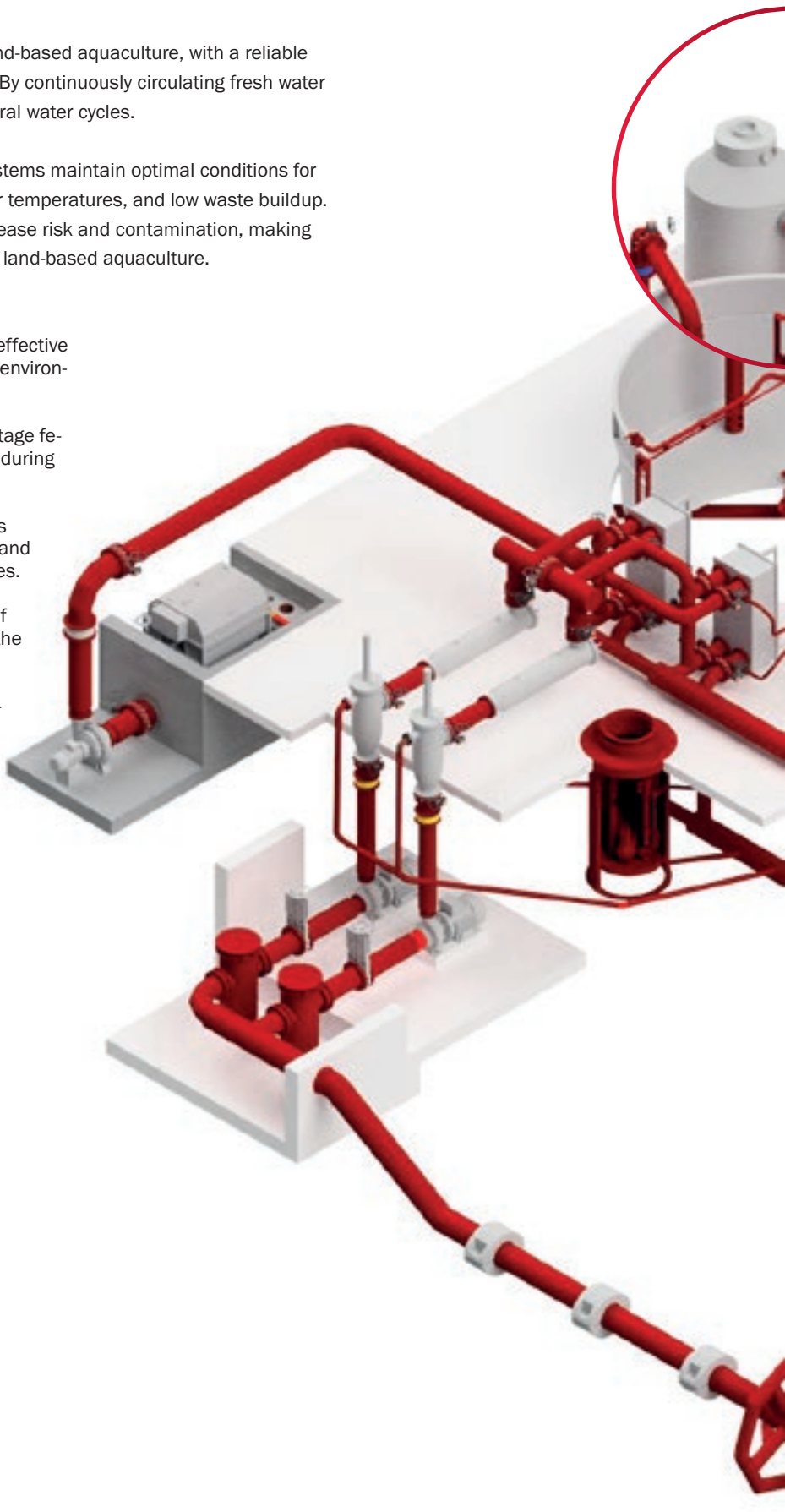
EFFICIENT WATER MANAGEMENT THROUGH ADVANCED TECHNOLOGY

FLOW-THROUGH

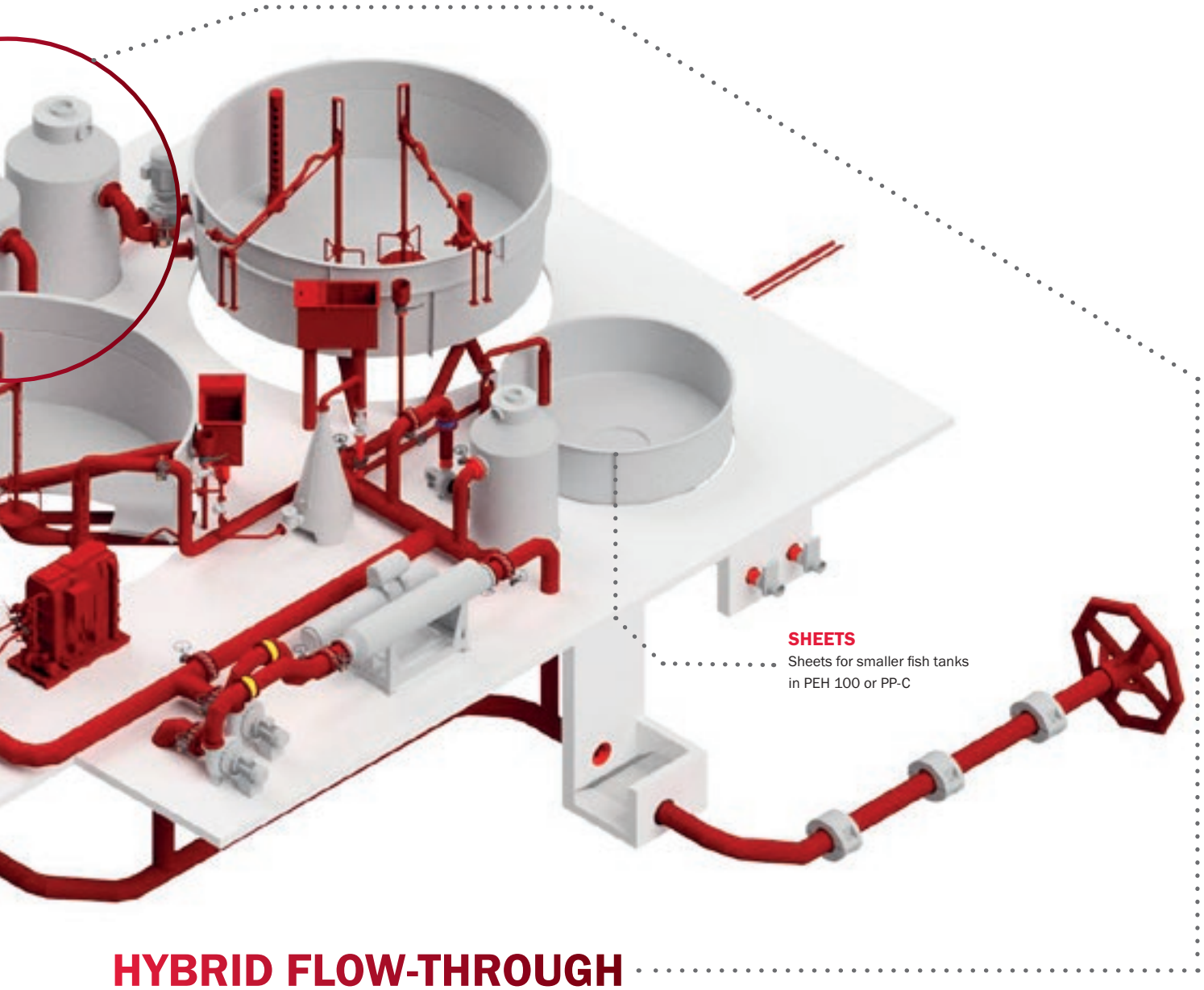
Flow-through technology has been fundamental to land-based aquaculture, with a reliable method for sustaining healthy aquatic environments. By continuously circulating fresh water through fish tanks, this system closely replicates natural water cycles.

By continuously circulate fresh water, flow-through systems maintain optimal conditions for aquatic species, ensuring stable oxygen levels, proper temperatures, and low waste buildup. Known for high biosecurity, these systems reduce disease risk and contamination, making them among the safest and most resilient options for land-based aquaculture.

- **The system is fully adaptable**, providing equally effective performance with both freshwater and seawater environments.
- **The preferred solution** for hatcheries and early-stage feeding operations, ensuring reliable performance during critical developmental stages.
- **Advanced purification** of intake water guarantees superior water quality, minimizing contaminants and maintaining optimal conditions for aquatic species.
- **High level of biosecurity**, ensuring minimal risk of disease transmission and contamination within the system.
- **Efficient, user-friendly, and highly reliable** operational design, with clear, straightforward procedures and supervision for seamless day-to-day management.



■ All products in red can be supplied by SIMONA Stadpipe



SHEETS
Sheets for smaller fish tanks in PEH 100 or PP-C

HYBRID FLOW-THROUGH

A hybrid system operates similarly to a flow-through system but offers significant efficiency improvements, particularly for farms with limited access to raw water. Unlike traditional systems that rely on continuous exchange of large volumes of water, a hybrid system optimizes water use by recycling and reusing part of the water, reducing overall demand.

A hybrid system uses only about 35% of the water required by a conventional flow-through system, making it a more sustainable option for farms facing water scarcity. This reduction is achieved through advanced filtration, treatment, and controlled circulation, maintaining optimal conditions for farmed species while minimizing water waste.

- **User-friendly** and highly reliable operational design, with clear and straightforward procedures for easy implementation and oversight.
- **Efficient water recycling system** that recovers up to 65% of the water volume from each tank, significantly reducing overall water consumption.
- **Integrated CO_2 degassing system** that ensures optimal removal of carbon dioxide, maintaining a stable and healthy environment for aquatic life.
- **Simple, reliable, and operationally efficient**, with easy-to-follow protocols for seamless day-to-day management and supervision.

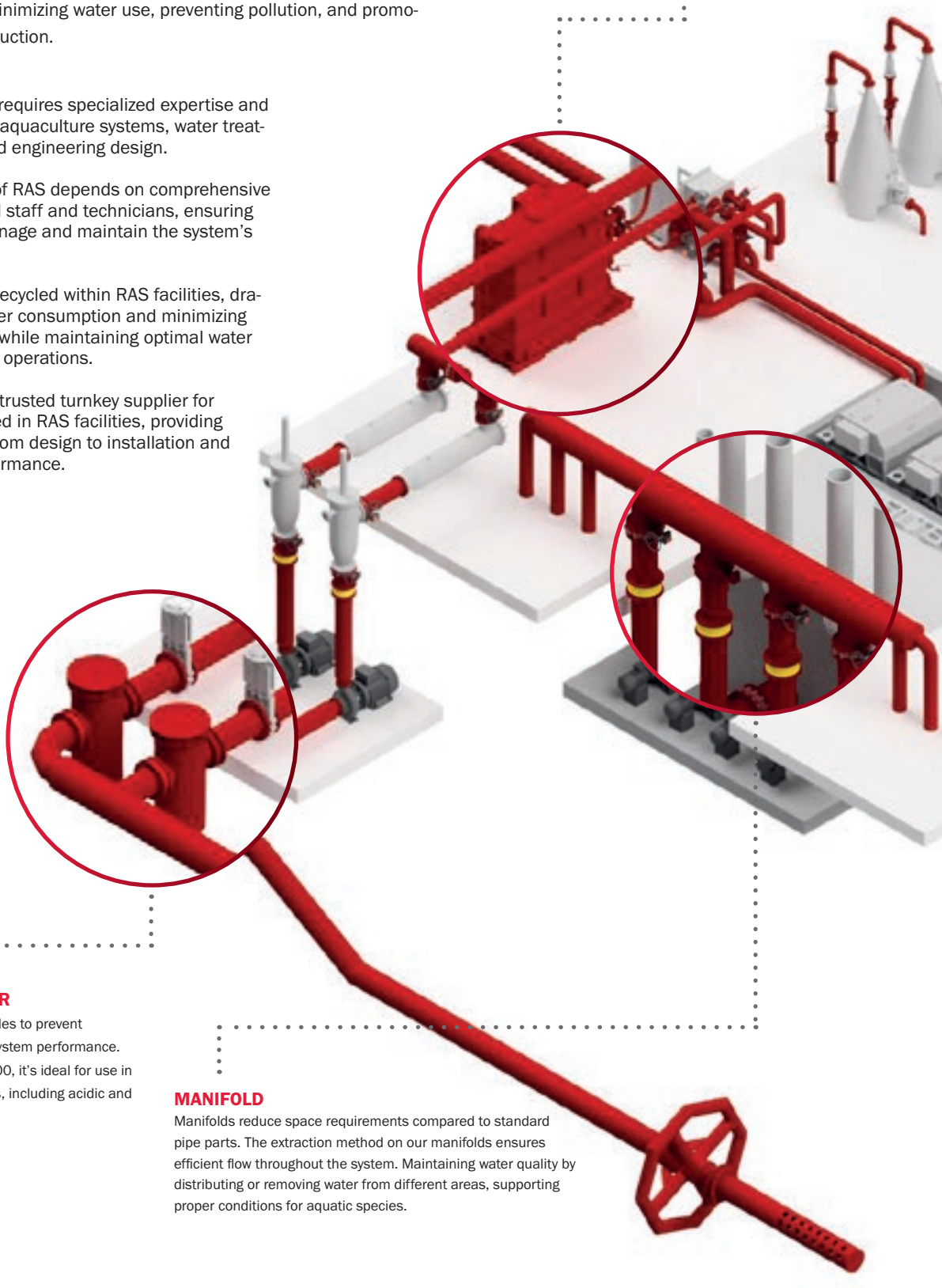
RECIRCULATING AQUACULTURE SYSTEM

A Recirculating Aquaculture System (RAS) creates a sustainable closed-loop ecosystem for fish and water-treatment microorganisms. Key to RAS are filtration methods like Moving Bed Biofilm Reactors (MBBR) and Fixed Bed Biofilter Reactors (FBBR), which break down organic waste and maintain water quality. RAS enables fish farming in areas where methods are unsustainable, reducing environmental impact by minimizing water use, preventing pollution, and promoting more efficient fish production.

- Building a RAS facility requires specialized expertise and in-depth knowledge of aquaculture systems, water treatment technologies, and engineering design.
- Successful operation of RAS depends on comprehensive training for operational staff and technicians, ensuring they can efficiently manage and maintain the system's complex components.
- Up to 99% of water is recycled within RAS facilities, dramatically reducing water consumption and minimizing environmental impact while maintaining optimal water quality for aquaculture operations.
- SIMONA Stadpipe is a trusted turnkey supplier for the piping systems used in RAS facilities, providing end-to-end solutions from design to installation and ensuring optimal performance.

CIP CLEANER

Innovative and high-tech system for Cleaning in Place (CIP), which removes impurities and harmful particles from pipe-based facilities. Can be easily moved around at the facility



PIPELINE STRAINER

Efficiently removes particles to prevent blockages and improve system performance. Made from durable PE 100, it's ideal for use in demanding environments, including acidic and polluted water.

MANIFOLD

Manifolds reduce space requirements compared to standard pipe parts. The extraction method on our manifolds ensures efficient flow throughout the system. Maintaining water quality by distributing or removing water from different areas, supporting proper conditions for aquatic species.

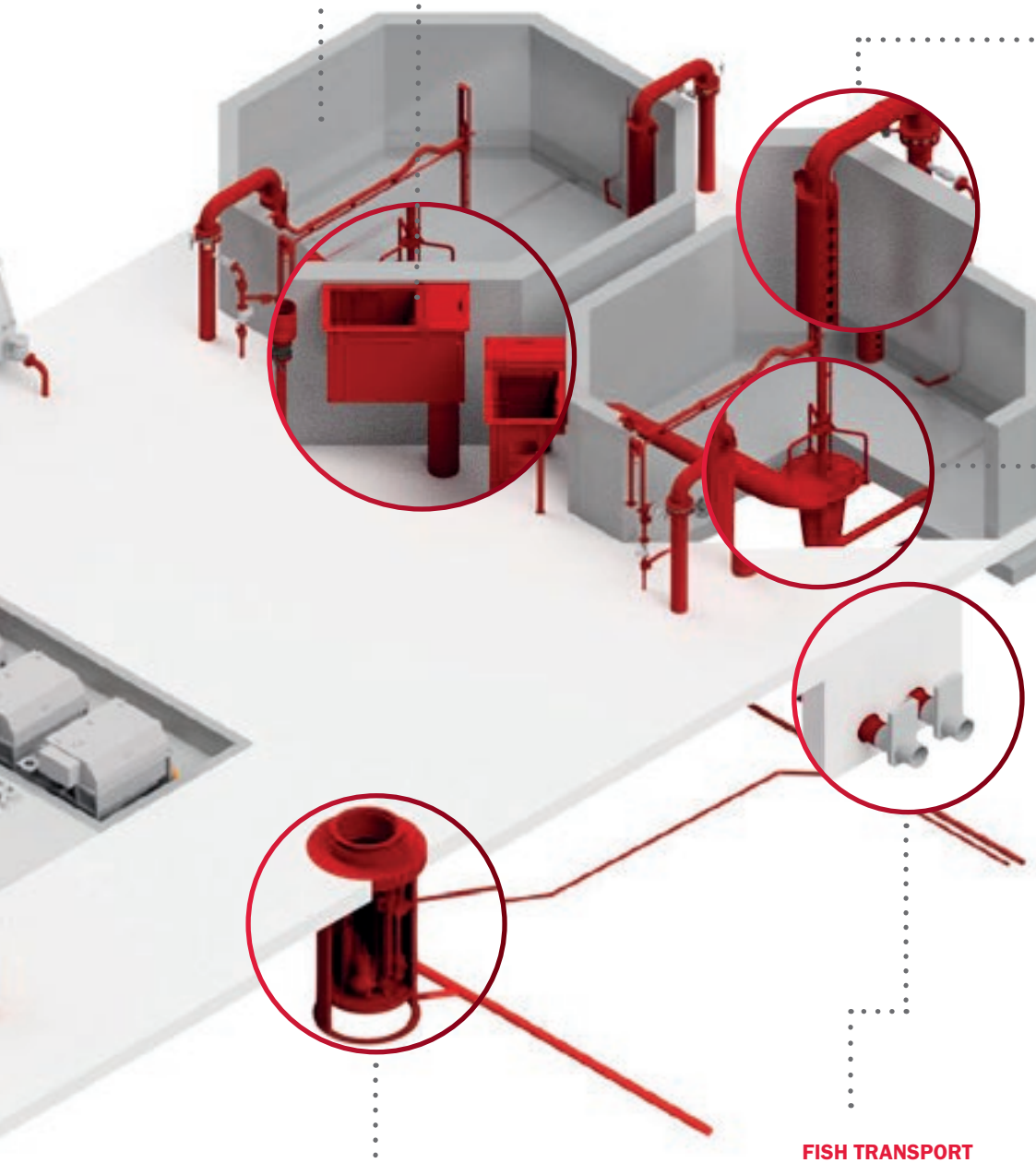
■ All products in red can be supplied by SIMONA Stadpipe

SHEETS

Sheets for lining in concrete tanks in PEH 100 or PP-C

DRAINAGE BOX

Designed to collect dead fish and particles from the fish tank, preventing diseases from spreading and improving the tank's efficiency and production.



INLET PIPE - STREAM

Built to hydraulically regulate water inflow and speed in tanks, optimising fish growth and reducing stress for the fish. Allows user to regulate water circulation in the fish tank.

OUTLET FUNNEL FOR FISH

Developed to transport fish from a fish holding tank and on to a central fish transport tank. The outlet funnel is placed in the bottom of the tank and is supplied with an open / close mechanism.

FISH TRANSPORT

Throughout the life cycle of the fish in a facility, fish are moved on to larger tanks via pipes and pumps. SIMONA Stadpipe designs and supplies complete piping systems.

SLUDGE PUMP STATION

Collection of sludge from drum filters and other contaminated water. Sludge is pumped on to a central sludge station for further processing.

WHERE IMAGINATION MEETS PRECISION – TURNING IDEAS INTO REALITY

SOLUTIONS THAT PUSH **THE LIMITS**

The success of land-based aquaculture depends on tailo-red-designed piping systems. Our expertise ensures optimal water quality and flow for healthy fish growth.

SIMONA Stadpipe does the work from dimensioning, drawing, production and delivery of pipe sections, pipe parts and other pipe structures. Using advanced 3D modeling, we create efficient layouts that minimize issues and ensure smooth integration of components for reliable water flow and easy maintenance. By using high-quality, corrosion-resistant materials, we support the health and growth of aquatic species, with designs tailored to each customer's unique challenges and goals.

3D modeling provides clear visualization of the piping system, reducing errors and improving understanding of the facility's complexity. It optimizes the placement of tanks, filters, and pumps for efficient water flow and easy maintenance. Advanced software allows for hydraulic analysis to optimize performance and energy efficiency.

Key stages of engineering:

- **Project definition and conceptual design**
  Before engineering starts, the calculation basis must be defined by gathering requirements from stakeholders, such as initial sketches or layouts to visualize the overall system design, P&ID available and calculation basis for water volumes. The Norwegian regulations and the NS 9416 standard are the basis for the engineering work.

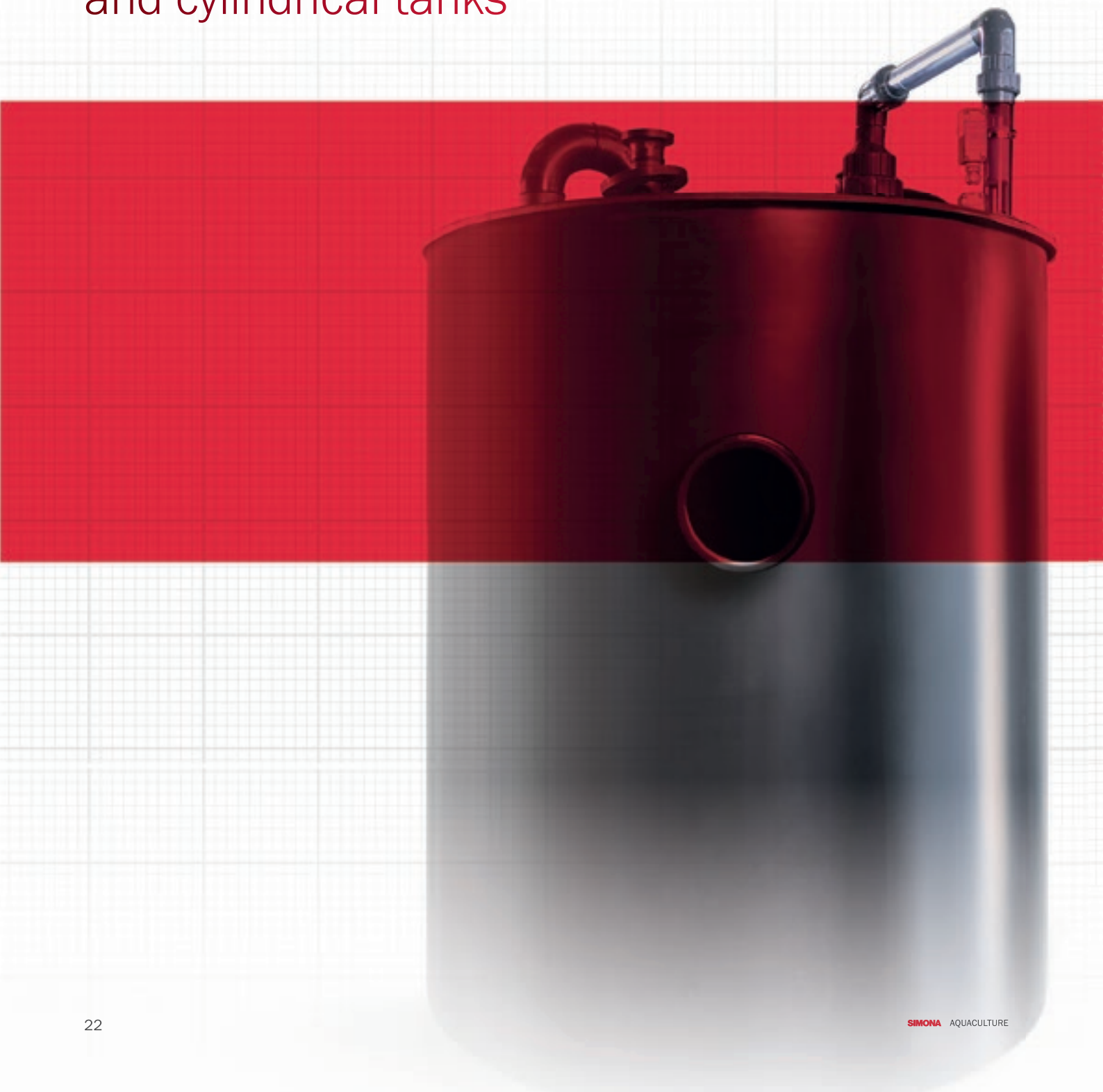
- **Detailed 3D modeling and component integration**
  Create detailed 3D models of the piping system, integrating all components such as valves, pumps, and filters to ensure proper fitting and functionality.

- **Clash detection and simulation**
  Conduct clash detection to identify conflicts between pipes and structural elements. Run simulations to analyze fluid dynamics, pressure drops, and flow rates, validating performance against design requirements.

- **Documentation, review, and approval**
  Generate detailed documentation, including 3D model views and specifications, and present the model to stakeholders for review and approval, incorporating feedback to finalize the design.

SIMONA® SmartTank

Efficient calculation of rectangular and cylindrical tanks



SIMONA® SmartTank -
Tank analysis software that sets new standards

Our SIMONA® SmartTank structural analysis software offers you an exciting array of possibilities for calculating thermoplastic rectangular and cylindrical tanks. We are continuously enhancing our software so that you can look forward to innovative new program components and features that will enable you to maximise both cost-effectiveness and safety in the design of your tanks.

In tank and apparatus construction, two aspects are of essential importance: the right material that is tailored to your require-ments and the right partner with the expertise needed to provide you with pertinent advice – from the selection of materials to pre-engineering in the field. SIMONA offers you the best of both worlds – premium product quality and excellent service.

In close collaboration with our development partner, LU Engineering Software GmbH, we have consolidated decades of experience in the area of tank analysis so that you can benefit from intelligent software. The software is designed to meet the needs of our customers and is intuitive to use. From program structure to the design of the user interface, the focus of SIMONA® SmartTank is always on user benefit.

The program offers you:

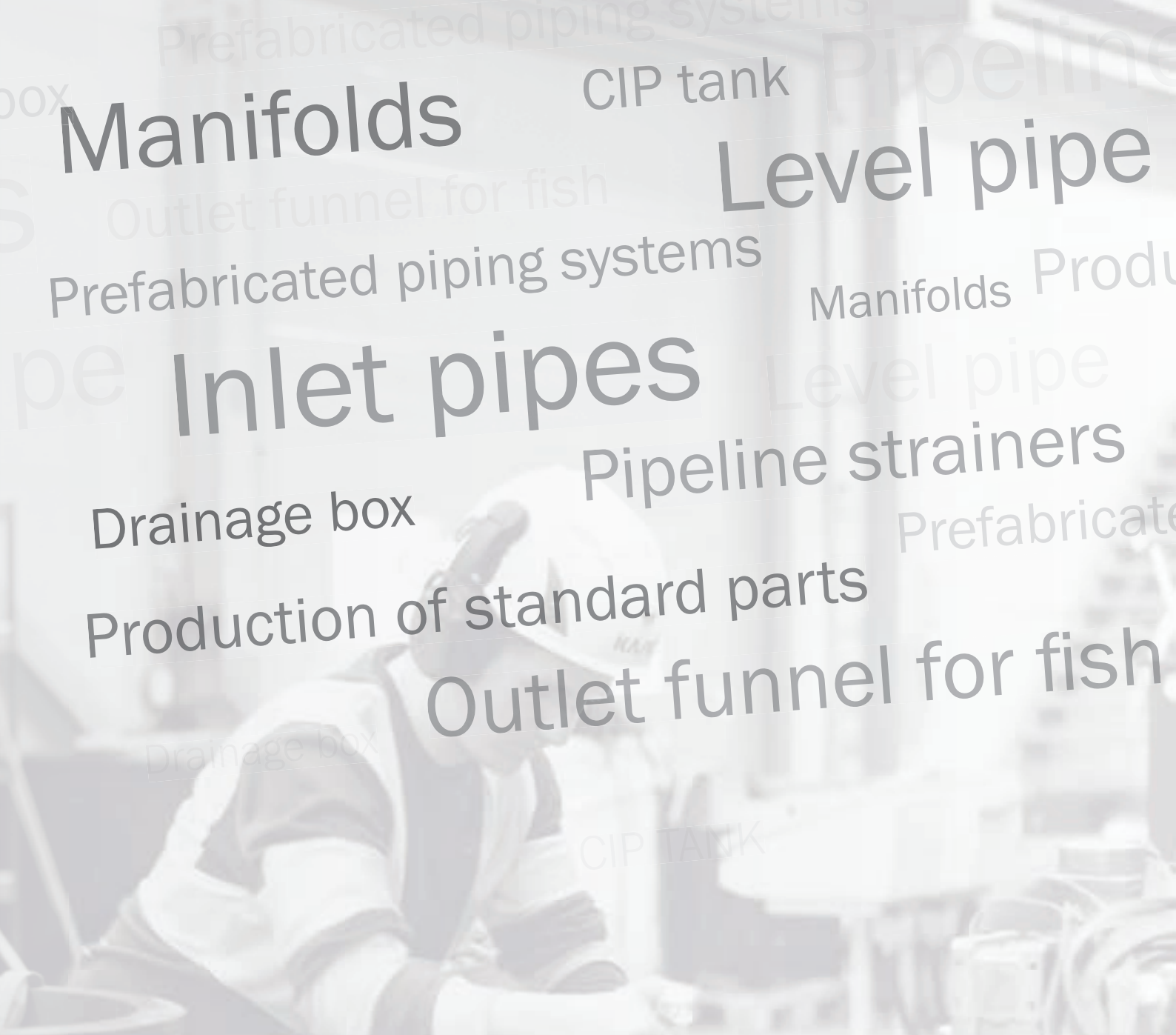
- Maximum cost-effectiveness in the design of tanks
- The option to export parameters to external programs (e.g. CAD software)
- Significant potential for cost savings thanks to realistic FEM formulation of circumferentially reinforced tanks and all the structural steel members, thus revolutionizing the analysis of these components
- Network-capable application and administration of the software
- Centralised administration of all projects in a project manager
- Simple, convenient user guidance
- Plausibility check and validation of all inputs
- High-quality, verifiable and graphically sophisticated out-puts as well as complete documentation printouts
- Optimised service and support via hotline with ultra-fast response times.


SCANIA

TAILORED PIPING SOLUTIONS – DRIVEN BY EXPERT TEAMWORK

ANYTHING IS POSSIBLE

The production of piping systems is more than just a process; it is the result of commitment, expertise, and teamwork. Our employees play a crucial role in ensuring that each system meets the highest standards of quality and performance.



Our technicians and engineers work together to design and manufacture customized piping systems, focusing on efficiency and sustainability. Each project starts with a thorough analysis of facility needs, enabling us to develop innovative, reliable solutions using modern technology.

Quality is a priority throughout production, with detailed inspections at every stage, from material selection to final assembly. This ensures all components meet strict standards for durability and performance in challenging aquaculture environments.

We are dedicated to sustainable practices that prioritize resource management and waste reduction to minimize our environmental impact and promote a sustainable future for aquaculture. Our employees are central to this mission. We invest in their training, ensuring they stay updated on the latest technologies and industry best practices. This commitment supports their growth and fosters a culture of continuous improvement, driving quality and innovation in our piping systems.

Key stages of our production:

- **Design and material selection**
  Based on specifications from the customer and our engineering department, layout and material selection are made before production starts.

- **Fabrication and quality control**
  Manufacture pipes and components, ensuring compliance with industry standards through rigorous quality checks.

- **Assembly and testing**
  Welding and machining using certified machines and personnel. Perform tests according to customer requirements. Arrange FAT in factory with customer.

- **Finishing and logistics**
  Prepare the finished product with protective coating and manage transportation to the installation site or customer.

ENSURING UNMATCHED QUALITY IN EVERY INSTALLATION


STADPIPE

YEARS OF EXPERIENCE

Piping systems play a crucial role in both production efficiency and animal welfare. Proper installation of these systems is essential to ensure optimal water circulation, effective filtration, and consistent distribution of oxygen and nutrients.

Each aquaculture facility has unique needs, and our experienced team designs customized piping systems tailored to water volume, temperature, and circulation requirements. We offer a full range of services, from initial consulting to complete installation.

For land-based aquaculture, we prioritize high-quality materials, such as polyethylene (PE), known for its resistance to corrosion, chemicals, and UV radiation, ensuring long-lasting performance in diverse aquaculture conditions.

At the heart of our operations are our skilled employees, who bring expertise in pipe installation and aquaculture technology. They ensure precise installation, conduct quality checks, and follow project plans while working closely with customers to tailor solutions. Their commitment to quality and safety ensures a smooth installation process and the safe operation of the facility.

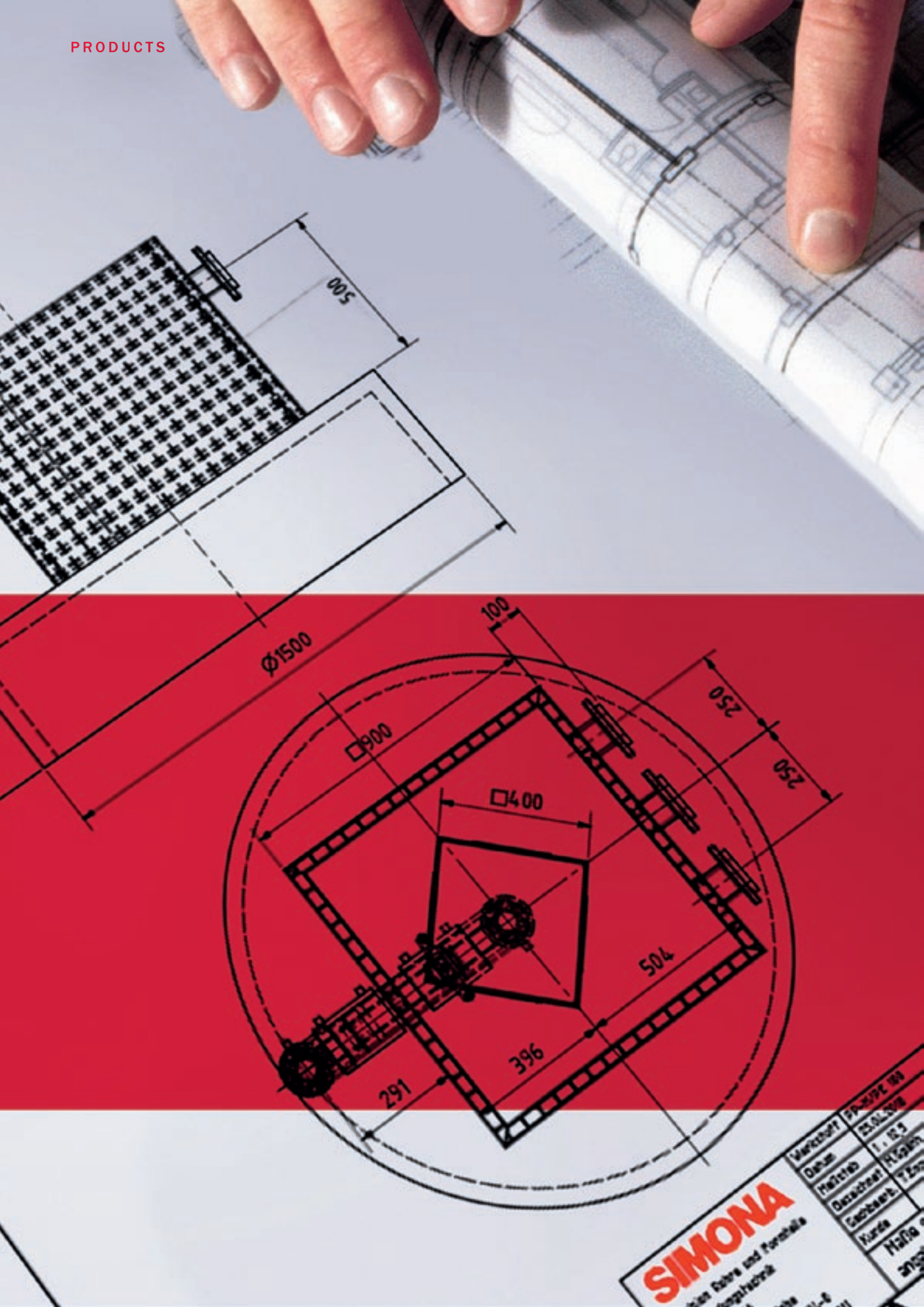
Our key stages of the installation process:

- **Preparation**
  All projects, large and small, need thorough planning. Prior to the start of the project, progress, deliveries of materials and personnel are planned in cooperation with the customer. In projects, we deliver turn-key installed systems, or offer supervising on behalf of the client.

- **Underground piping**
  Before pipes are placed underground, the ground is checked whether it complies with requirements for leveling, frost resistant, ditch bottom and backfiling. Pipes under the ground are tested for tightness and checked with a camera before the casting work is carried out.

- **Installation**
  Our technicians use modern tools and methods to achieve the best possible result. Pipes are welded with butt welding and installed. All welds are documented with protocols and photos.

- **Documentation as built**
  Complete documentation is prepared on work carried out and delivered materials and special products. Drawings updated as built.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SIMONA

YOUR PROJECT.
OUR PRODUCT.

POLYETHYLENE

a true all-rounder

As a material, polyethylene (PE) is a true all-rounder when it comes to the construction of chemical tanks, systems and equipment used in seawater environment.

Range of PE pipes and fittings

Dimensions in mm, unless otherwise stated		SIMONA® PE 100 SDR 11	SIMONA® PE 100 SDR 17	SIMONA® PE 100 SDR 26
Pipes				
	Pressure pipes	10 - 1000	32 - 1200	40 - 1200
Fittings with short spigots for butt welding				
	Bends 90°, injection-moulded	20 - 500	50 - 40	110 - 400
	Stub flanges, injection-moulded/machined	20 - 710	50 - 900	180 - 900
	Tees, injection-moulded	20 - 500	50 - 500	
	Tees with reduced branch, injection-moulded	90 - 225	140 - 225	
	Reducers, concentric, injection-moulded	25 - 315	63 - 315	
	Reducers, concentric, machined	160 - 630	315 - 1200	315 - 1600
	Reducers, eccentric, injection-moulded	160 - 630	160 - 630	
	Reducers, eccentric, machined			315 - 1000
	End caps, machined	250 - 630	250 - 800	200 - 1200
Fittings with elongated spigots for butt and electrofusion welding				
	Elbows 90°, 45°, injection-moulded	20 - 315	50 - 315	
	Bends 90°, injection-moulded	32 - 500	50 - 500	
	Bends 90°, 60°, 45°, 30°, 22°, 11°, seamless	32 - 900	50 - 1000	110 - 500 (R=Dx2,5)
	Bends 90°, 60°, 45°, 30°, segment welded	110 - 900	110 - 1200	110 - 1600
	Stub flanges, injection-moulded/machined	20 - 630	50 - 630	
	Tees, injection-moulded	20 - 630	50 - 630	
	Tees, segment welded	110 - 800	110 - 1000	110 - 1200
	Tees with reduced branch, injection-moulded	63 - 315	63 - 315	
	Tees with reduced branch, pull out		160 - 1200	160 - 1600
	Tees with reduced branch, welded	90 - 630	90 - 800	
	Cross, segment welded	110 - 800	110 - 1000	110 - 1000
	Branches 45°, injection-moulded	63 - 110	63 - 225	
	Branches 45°, pull out		160 - 630	160 - 630
	Branches 45°, 60°, segment welded	110 - 900	110 - 900	110 - 900
	Reducers, concentric, injection-moulded	25 - 315	50 - 315	
	End caps, injection-moulded	20 - 400	50 - 400	
	Thread nipples	20x1/2" - 63x2"		

Dimensions in mm, unless otherwise stated		SIMONA® PE 100 SDR 11	SIMONA® PE 100 SDR 17	SIMONA® PE 100 SDR 26
Special fittings				
	Liner sleeve for concrete walls	40 - 1000	40 - 1200	40 - 1200
	Liner pipes for concrete walls		40 - 1200	40 - 1200
	Manifolds PE		160 - 1200	160 - 1600
	Thread nipples plugged	25x$^{1/2}$ - 40x1$^{1/4}$"		
	Rotatable pipe joint	90 - 315	90 - 630	90 - 630

Flanges		Dimensions
	PP / steel loose flanges	20 - 500
	PP / steel profiled loose flanges	50 - 1000
	PP / steel blind flanges	20 - 400
	PE blind flanges	90 - 800
	Full-face flanges	63 - 225
	Hot dip galvanized flanges	40 - 1600

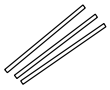
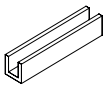
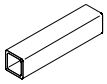
Fabrication is possible in pressure classes SDR 41/33/26/17/11/7.4 depending on type of product.
Other dimensions can be supplied on request.

Range of semi-finished products PE

Dimensions in mm, unless otherwise stated		SIMONA® PE 100 natural	SIMONA® PE 100 black	SIMONA® PE-HD natural	SIMONA® PE-HD black	SIMONA® PE 500	SIMONA® PE 1000
Sheets	Size | thickness						
	2000 x 1000	6 - 40	1 - 50	1 - 30	1 - 30	3 - 15	
	3000 x 1500	6 - 30	2 - 40	2 - 30	2 - 30	4 - 12	
	4000 x 2000	6- 30	5 - 40	3 - 5	10 - 30		
	20000 x 1500		3 - 5 ⊙				
Extruded sheets	Colours	□	□□□■	□	□□■	□	
	2000 x 1000		10 - 150	10 - 150		8 - 120	8 - 120
	3000 x 1250					8 - 80	8 - 80
	4120 x 2010		10 - 150	10 - 150			
Pressed sheets	Colours		□□■	□		□■■	□■■
	2000 x 1000		30, 40				
Cross-ribbed twin-wall sheets	Colours		□□■				
	3000 x 1000		54, 58				
Lengthways-ribbed twin-wall shets	Colours		□□■				
Corner elements	Length | thickness						
	1500		54, 58				
	2000		40				
	3000		54, 58				
HKP corner elements 45° and 90°	Colours		□□■				

The dimensions specified are standard dimensions. Oher sizes, thicknesses, lengths, diameters and colours available on request.
⊙ Also available as SIMONA® PE 100-SK polyester-backed; supplied on rolls

□□□□■■ : natural, light grey, UV light grey, grey, black, green

Dimensions in mm, unless otherwise stated		SIMONA® PE 100 natural	SIMONA® PE 100 black	SIMONA® PE-HD natural	SIMONA® PE-HD black	SIMONA® PE 500	SIMONA® PE 1000
Rods							
	Types	○▽▽	○▽▽♡	○		○	
	Thickness	3 - 5	3 - 7	3 - 4		3 - 4	
Welding rods	Colours	□	□■■	□		□	
	Length | diameter						
	1000			20 - 800	250 - 300	100 - 500	20 - 300
	2000			8 - 500	20 - 200	10 - 500	20 - 200
Solid rods	Colours		□■■	□		□	□■■■
	2000		110 - 810				
Hollow rods	Colours		□■■				
Profiles	Length | width / hight						
	5000		48 - 92 / 46 - 155				
U-profiles	Colours		□■■				
	5000		35 - 50 / 35 - 50				
Square pipes	Colours		□■■				

The dimensions specified are standard dimensions. Other sizes, lengths, diameters and colours available on request.

○▽▽♡ : round, triangular TA 90, triangular TA 80, three-core

□□■■■■ : natural, light grey, UV light grey, grey, black, green

POLYPROPYLENE

Excellent chemical resistance

Polypropylene (PP) is the most widely used material for chemical-technical applications. Its key characteristics also include good long-term properties and a high resistance to slow crack growth.

Range of semi-finished products PP

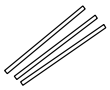
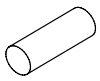
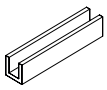
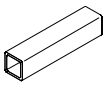
Dimensions in mm, unless otherwise stated		SIMONA® PP-H AlphaPlus®	SIMONA® PP-H natural	SIMONA® PP-C	SIMONA® PPs
Sheets	Size | thickness				
	2000 x 1000	0.8 - 50	0.8 - 50		1,5 - 30
	2440 x 1220			3 - 15	2 - 20
	3000 x 1500	1.5 - 40	1.5 - 30	3 - 30	2 - 20
	4000 x 2000	2 - 50	3 - 50		3 - 20
	10000 x 1200⊙				
	20000 x 1500⊙				
Extruded sheets	Colours	■	□	□□■■	□■
	2000 x 1000	10 - 70⊙	10 - 150	10 - 150	10 - 100
	4120 x 2010	10 - 70⊙	10 - 150	10 - 150	10 - 100
Pressed sheets	Colours	■	□	□■	■
	2000 x 1000			30, 40	30, 40
Cross-ribbed twin-wall sheets	Colours			■	■
	3000 x 1000	54, 58			54, 58
Lengthways-ribbed twin-wall shets	Colours	■			■
Corner elements	Length | thickness				
	1500	54, 58			
	2000			40	
	3000	54, 58			
HKP corner elements 45° and 90°	Colours	■			

The dimensions specified are standard dimensions. Oher sizes, thicknesses, lengths, diameters and colours available on request.

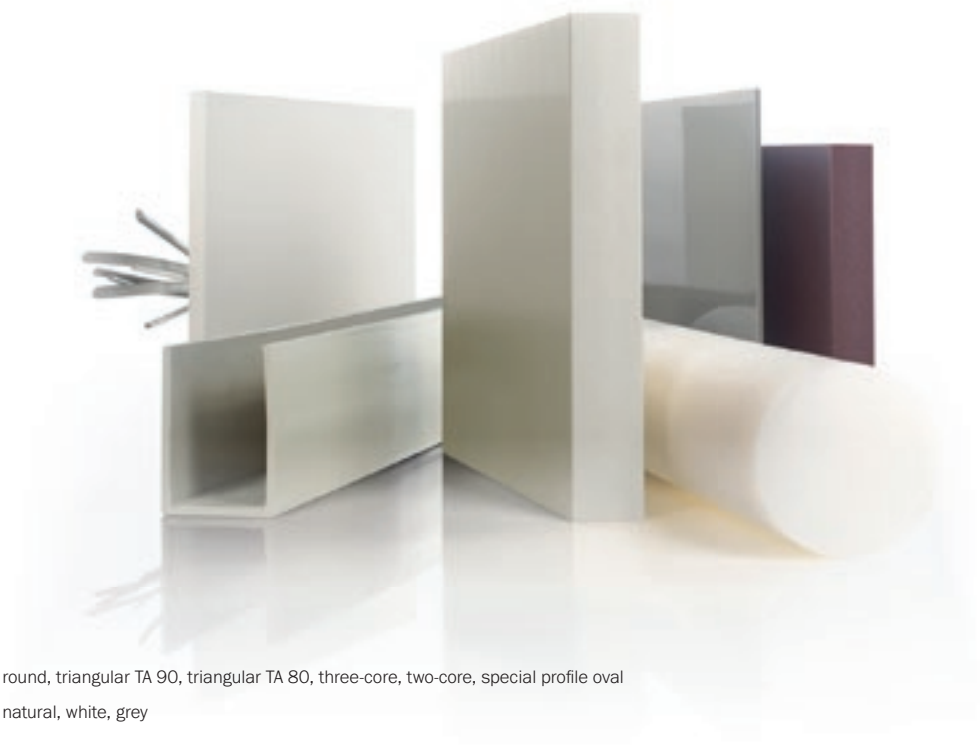
⊙ Pressed sheets made of SIMONA® PP-H grey are available in thicknesses from 80 to 150 mm.

⊙ Supplied on rolls

□□■■ : natural, white, black, grey

Dimensions in mm, unless otherwise stated		SIMONA® PP-H AlphaPlus®	SIMONA® PP-H natural	SIMONA® PP-C	SIMONA® PPs
Rods					
	Types	○♡▽♡⬭⬭	○♡▽	○♡▽♡	○♡♡
	Thickness	3 - 7	3 - 5	3 - 7	3 - 6
Welding rods	Colours	■	□	□■	□■
	Length | diameter				
	1000	100 - 800	140 - 800		
	2000	8 - 500	8 - 500		
Solid rods	Colours	■	□		
	2000	360 - 810			
Hollow rods	Colours	■			
Profiles	Length | width / hight				
	5000	48 - 92 / 46 - 155			
U-profiles	Colours	■			
	5000	35 - 50 / 35 - 50			35 - 50 / 35 - 50
Square pipes	Colours	■			■

The dimensions specified are standard dimensions. Other sizes, lengths, diameters and colours available on request.



○♡▽♡⬭⬭ : round, triangular TA 90, triangular TA 80, three-core, two-core, special profile oval

□□■ : natural, white, grey

SPECIALLY ADAPTED TO EACH INDIVIDUAL PROJECT

FISH TRANSPORT SYSTEM

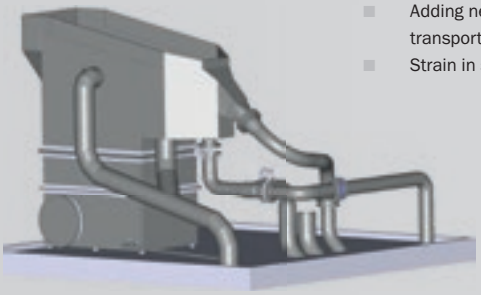
OUTLET FUNNEL FOR FISH

- Manufactured in GRP or PE 100
- From 110 mm to 500 mm
- Inlet 500 - 1000 mm

SEAMLESS BENDS R=2,5 xD

- Made of bent pipes
- Produced in black PE 100

WATER SEPARATOR



- PE 100 black
- Separating RAS water from fish
- Adding new water for further transport
- Strain in stainless steel

Video of Water Separator
www.youtube.com

DRAINAGE BOX

- Manufactured in GRP or PE 100
- Stainless steel mesh (wedgewire)
- Mesh is compliant with NS 9416

T-PIPES

- Smooth transition
- For fish transport
- 250 - 500 mm
- Manufactured in GRP

CROSS PIPES

- Smooth transition
- For fish transport
- 250 - 500 mm
- Manufactured in GRP

AQUACULTURE PRODUCTS

CIP TANK

- 1600 litres
- Tank in polyethylene
- Mounted on PE 100 pallet
- Access from all sides by lift truck
- Large lid makes it easy to add cleaning products
- 2 x 6 kW heating elements
- Temperature 30-50 dgrC

BELLMOUTH

- **Made from PE 100 or NOR-Selast(R)**
- **DN350 - DN500**
- Durable with long lifespan
- No sharp edges
- Minimum friction loss
- Single piece, all made from the same material

ROTATABLE PIPE JOINT

- PE 100
- PP flange
- EPDM gasket
- Can be supplied with diffe-rent types of bolts

THREAD NIPPLES

Internal:

- Plugged
- PE 100
- Machined
- Stainless stel ring

External:

- Plugged
- PE 100
- Machined

MANIFOLDS

- PE 100
- 110 - 1600 mm
- SDR 33-26-17

SLUDGE PUMP STATION

- Collection of sludge from drum filters and other contaminated water. Sludge is pumped on to a central sludge station for further processing.

PIPELINE STRAINER

- PE 100 SDR 17
- DN80 - DN350
- Fast-close system on lid
- Mesh with holes from 1.5 to 50 mm
- Bottom flushing and drainage
- Reduction factor 0.5
- Max pressure 5 bar

MINERALFILTER

- PE 100
- Locking clamps in stainless steel

FLOOR DRAIN

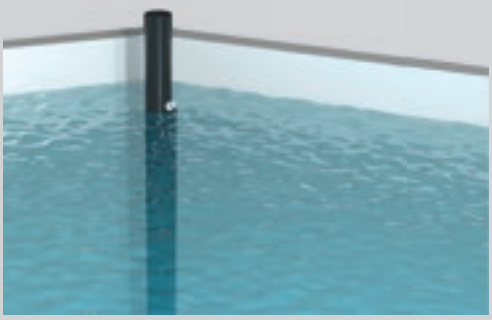
- Manufactures in PE 100
- Raised grate to prevent fish from clogging
- Flat grading in PE and stainless steel is available

LEVEL PIPE

- Produced in PE 100
- Inner pipe made from PVC on standard models
- Smooth side inlet
- Smooth bottom outlet

INLET PIPES

- Straight connector with flange or socket
- PE 100 black
- SDR 26 outer pipe



SHEETS

- Sheets for smaller fish tanks
- Sheets for lining in concrete tanks
- PEH 100 or PP-C

FISH TANK CLEANER

- GRP or PE 100 drain cover
- Stainless steel mesh
- Mesh is compliant with NS9416
- Welded to tank's central pipe

VACUUM FUNNEL

- PE 100 black/white
- With or without cover
- Can be used with gravity fall pipes

FISH BARRIER

- Manufactured in PE 100
- Grate in stainles steel
- Made according to NS 9416

PRODUCING SERIES AS LOW AS ONE UNIT

Since the piping systems we deliver are specially adapted to each individual project, serial production of parts is only possible to a limited extent. In other words, we produce series as low as one unit.

We have our own production facility with highly sophisticated machinery and a certified staff. We produce special parts for our custom orders and for our own projects.

Our machinery includes special equipment for cutting and welding polyethylene pipe parts with diameters ranging from DA 20 to 1600 mm.

- Custom orders and own projects
- Manifolds
- Pipe spools
- Series as low as one unit
- Exactly to specifications
- Under license for other suppliers
- Fast delivery
- Highest technical quality of work and materials
- Thorough documentation and quality assurance
- Advice and follow-up

More information on our special products
www.simona-stadpipe.com

GLOBAL THERMOPLASTIC SOLUTIONS

CONTACT PERSONS

aquaculture@simona-group.com

NORWAY - EUROPE - AMERICA
Nils-Per Sjåstad
nils-per.sjaastad@simona-group.com

EUROPE
Torsten Bersch
torsten.bersch@simona-group.com

ASIA
Jacky Jiang
jacky.jiang@simona-group.com

SOLUTIONS FOR AQUACULTURE

www.simona-stadpipe.com

SIMONA Stadpipe AS
Nedre Sjåstad 19
6750 Stadlandet
Norway

Phone + 47 57 85 68 80
stadpipe@simona-group.com
www.simona-stadpipe.com

SIMONA AG
Teichweg 16
55606 Kirn
Germany

Phone + 49 (0) 675214-0
Fax + 49 (0) 675214 211
mail@simona-group.com
www.simona.de

SIMONA Engineering Plastics (Guangdong) Co. Ltd.
368 Jinou Road, Jianghai District, Jiangmen City, Guangdong, China.

Phone +86 (0750) 3870 338
Fax +86 (0750) 3870 339
apacmarketing@simona-group.com
www.simona-cn.com