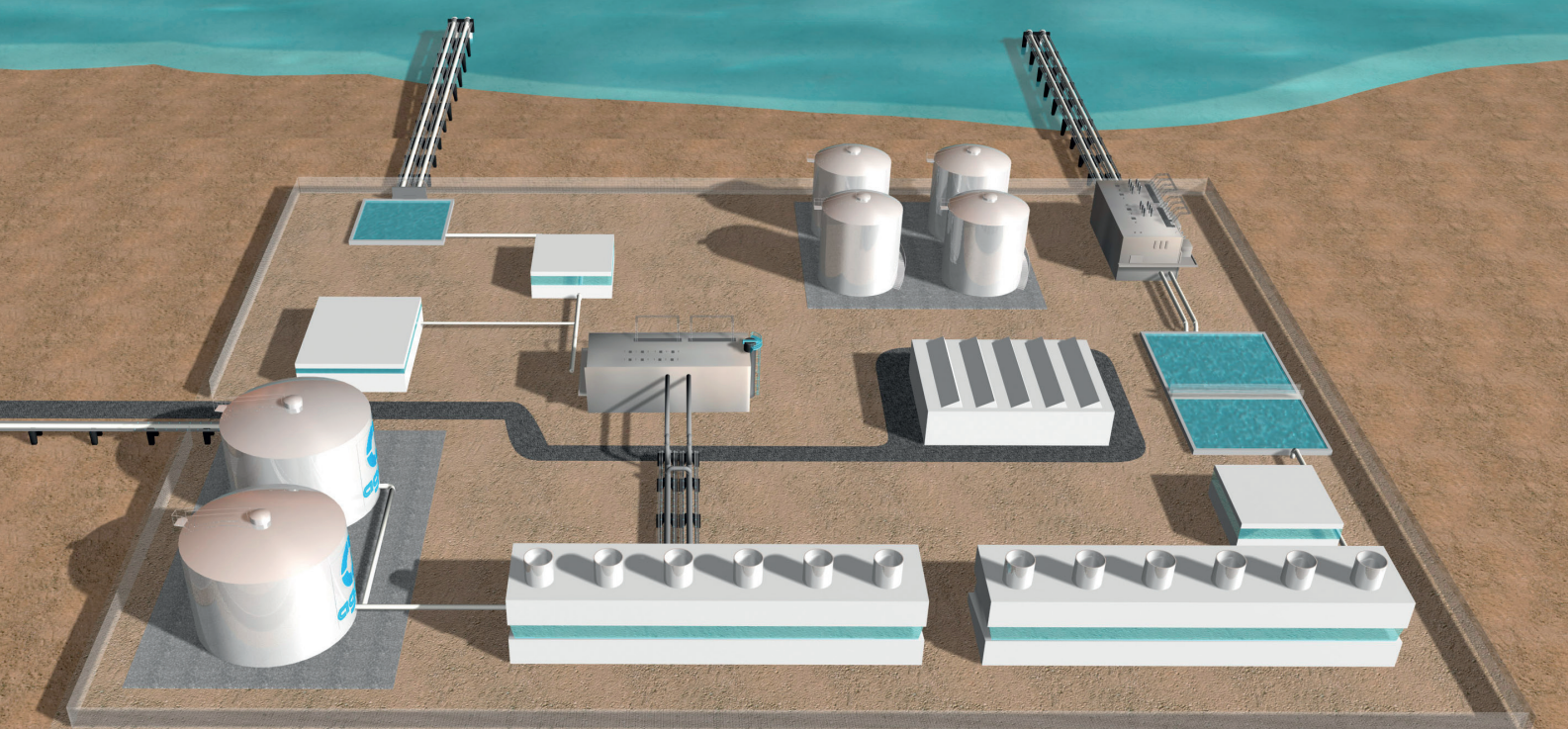
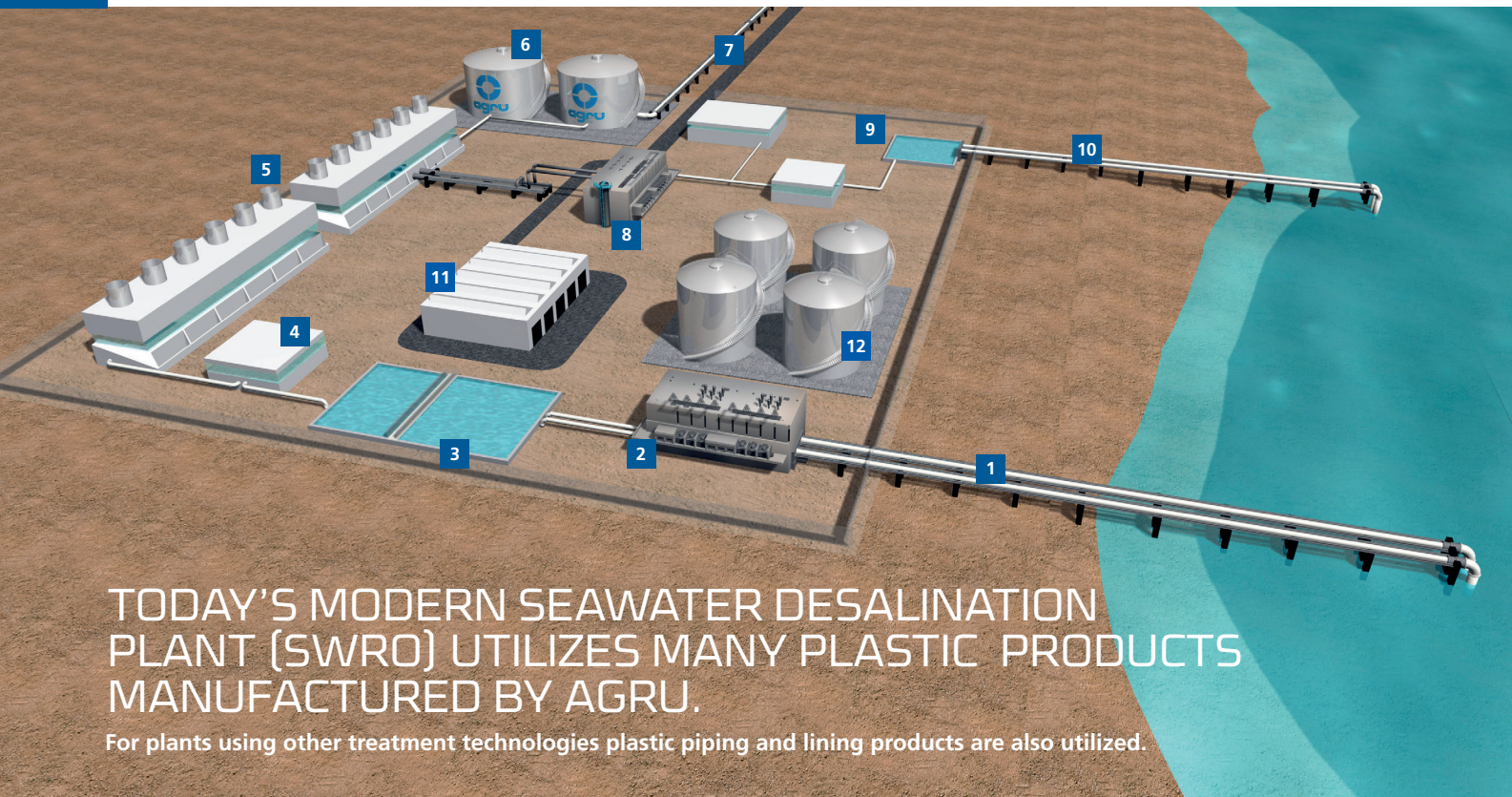


DESALINATION

PLASTIC PRODUCTS
FOR SEAWATER
DESALINATION PLANTS





TODAY'S MODERN SEAWATER DESALINATION PLANT (SWRO) UTILIZES MANY PLASTIC PRODUCTS MANUFACTURED BY AGRU.

For plants using other treatment technologies plastic piping and lining products are also utilized.



Seawater intake

PE 100 pipes from AGRU are available in dimensions up to 2500 mm with various pressure ratings for seawater intake lines.



Pumping station

In the pump station area PE 100 and PP pipes and fittings are utilized up to a diameter of 500 mm. Fully pressure rated fittings up to 16 bar enable safe operation. For larger dimensions segmented or machined fittings are available. Excellent flow characteristic and high abrasion resistance are beneficial for this application area in a SWRO plant.



Buffering basins

For protection of concrete basins the AGRU SureGrip sheet (NSF61 approved) provides the perfect solution. This sheet is produced in one production step with integrated anchor studs which provide a safe and secure bonding between the concrete and the SureGrip sheet. Fast and cost effective in installation and operation.



Solids removal / filtration

Polypropylene piping systems welded by butt or IR fusion provide fast and efficient installation. Excellent abrasion resistance and pressure rating up to 10 bar to provide high durability.



RO-plant

For the installation of permeate piping as well as feed pipes for the RO membranes, PP piping (NSF61 approved) with a specially adjusted fitting range is available.



Potable water tanks

For the perfect secure of the produced potable water PE 80 blue HYDROCLICK sheets (NSF61 approved) provide the best solution. These sheets have all necessary approvals for the contact with potable water.



Potable water supply

PE 100 and PE 100-RC pipes with long life expectancy and high resistance to puncture for the supply of the potable water to the user.



Buffer station

In the buffer station the large supply range of AGRU pipes, fittings and valves up to 500 mm SDR11 in PE 100 or PP can be applied. PH control injection piping systems in PVDF and ECTFE provide excellent durability for aggressive media such as H₂SO₄.



Neutralization basin

AGRU HDPE SureGrip liners in thicknesses from 2.5 mm up to 5.0 mm are used to protect the concrete structure.



Discharge pipe

PE 100 for discharge pipes provides excellent corrosion resistance, high flow characteristics, durability and flexibility.



Maintenance area

For welding of various plastic piping systems AGRU provides butt fusion, IR-fusion, socket fusion and electric-socket fusion technology.



Storage tanks

Storage tanks can be lined with fabric-backed sheets in 3, 4, 5, or 6 mm which are bonded to steel tanks. PE and PP materials with polyester - or polypropylene fabric are used to improve the tanks' life expectancy and reduce maintenance intervals.



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Your distributor:



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Illustrations are generic and for reference only.

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