



# PT AHS SALT PRODUCTION

Filtersafe Case Study



## BACKGROUND

PT Ainul Hayat Sejahtera (AHS), established in 2017 in Serang, Banten, Indonesia, is a provider of high-quality salt produced through sustainable production innovations and was looking for a reliable filtration solution to replace their current filters.

## CHALLENGES

The seawater intake presented challenging turbidity conditions, ranging from below 10 NTU to peaks of up to 100 NTU. The previously installed filtration system failed to provide reliable UF protection, increasing operational risk and threatening continuity of salt production.

## INDUSTRY

Desalination / Salt Production

## APPLICATION

UF Protection

## FILTERSAFE

- 30 years filtration experience
- 3,000+ installations
- 10µm upwards & 50-6,840 m<sup>3</sup>/hr.
- Modular filter technology

<b>Filtersafe Model</b>	Mantas 162	<b>Client</b>	PT Ainul Hayat Sejahtera
<b>Filtration Degree</b>	25 micron	<b>Installation Date</b>	January 2026
<b>Location</b>	Indonesia	<b>Water Source</b>	Seawater
<b>Flow Rate</b>	428 m <sup>3</sup> /h per filter (4 filters)	<b>System Role</b>	UF Protection

## FILTERSAFE SOLUTION

Based on the recommendation of PT Gapura, Filtersafe's local partner in Indonesia, the existing filtration system was replaced with four of Filtersafe's Manta high-performance screen filters. Installed downstream of the sedimentation basin, the system provides consistent and reliable pre-filtration ahead of the UF membranes.

## RESULTS & BENEFITS

The Manta's design, equipped with the BladeX cleaning mechanism, ensures effective screen cleaning regardless of fluctuating water quality. The system delivers reliable UF protection, reduced maintenance requirements, and improved operational stability compared to the previous Bernoulli filters. even in high dirt loads.

