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THE NDE SOLUTION

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CORROSION RESISTANT MATERIALS AND SOLUTIONS

Stainless Steel in Desalination

Stainless Steel in Desalination



Overview

- Basics of Stainless Steel
- Types of Desalination Plants
 - Reverse Osmosis (RO)
 - Multi-Stage Flash (MSF)
 - Low Temperature Multi Effect Distillation (LT-MED)
- Storage and Distribution

This presentation is drawn from over 70 years of NDE company experience and relationships with local and international suppliers including Outokumpu

Stainless Steel in Desalination

Modern Evaporator Design DualDuplex™

- LDX 2101 for upper part - less hostile conditions
- 2205 for lower part
- Further cost reductions, since LDX 2101 is more cost efficient than 2205



Stainless Steel in Desalination



Summary

Materials of construction in the desalination industry have undergone significant changes over the years, with constantly improving benefits and increasing use of stainless steel:

- Increased volumes which can be processed
- Reduced cost of construction
- Reduced cost of maintenance
- Life-cycle of the desalination plant

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The logo for NDE (Non-Destructive Evaluation) is displayed in a stylized, outlined font. The letters 'N', 'D', and 'E' are interconnected, with the 'D' having a unique shape. The logo is positioned in the lower center of the page, above a horizontal line.

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