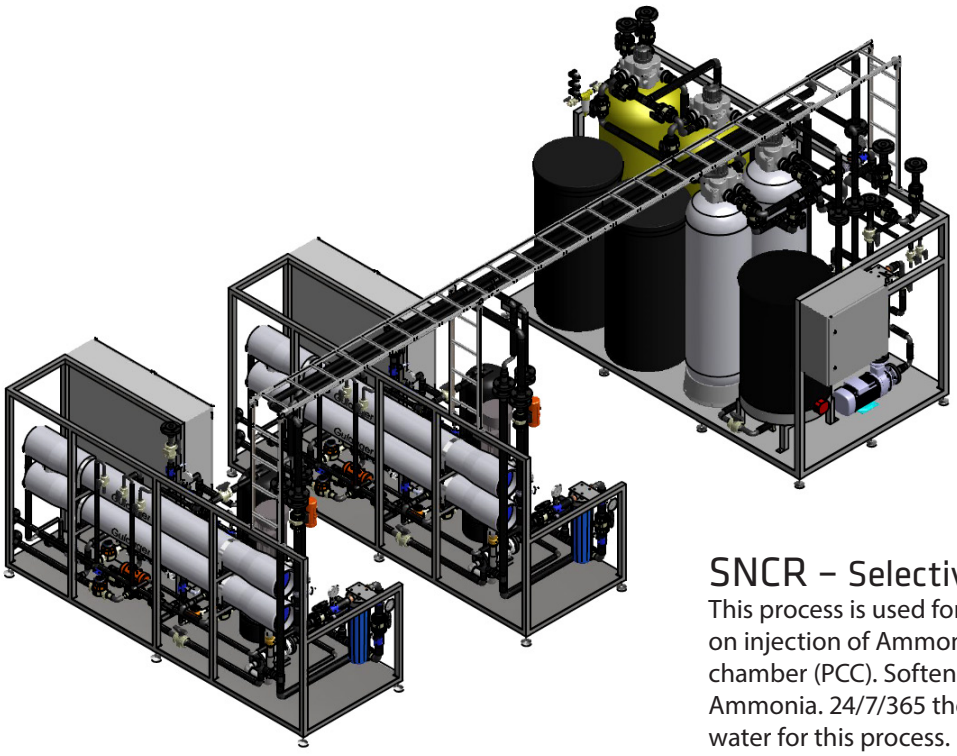
Converting Waste into Energy

- demands ultra pure water



Power Plant Installation

As part of a completely new power plant installation, Guldager A/S has been selected to supply ultrapure water for the boilers and soft water for the SNCR.

Steam boilers

To make sure that the steam boilers are effective, utrapure water is needed.
The water treatment plant from Guldager provides the boilers with 2.7 t/h (5.4 t/h with both lines in duty) ultrapure water.

Guldager delivers a fully automated plug & play solution mounted on skids; ready to install with a minimum of effort on site. The plant consists of

- **Pretreatment (activated Carbon- and Softening filter)**
- **Reverse Osmosis**
- **CEDI®**
- **Polish filter (mix bed)**

SNCR – Selective non-catalytic reduction

This process is used for reduction of the NOx and is based on injection of Ammonia into the post-combustion chamber (PCC). Softened water is used as media for the Ammonia. 24/7/365 the Guldager plant delivers softened water for this process.

Project timeline

- April 2014: Signing of contract between customer and Guldager A/S
- August - December 2014: start of construction
- January 2015: Delivery of water treatment plant to site
- January - June 2015: Commissioning and testing
- July 2015: Take over

Solutions for the power industry

Guldager has experience in providing complete solutions for the power industry. The applications cover:

- Ultra pure water line for Boiler makeup water
- chemical dosing systems for the pH adjustment of waste water and other chemical injection systems
- Cooling water treatment systems
- Antifouling systems for sea water intake systems