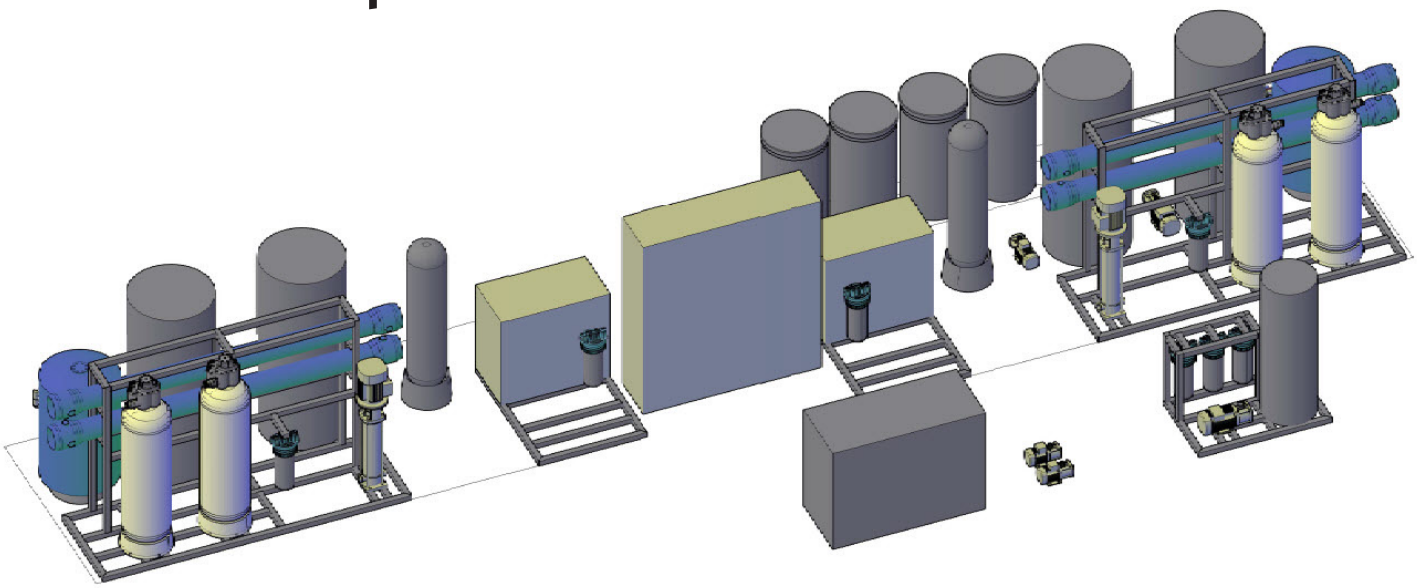
Converting waste wood into energy

- demands ultra pure water



As part of a completely new biomass fired energy plant, Guldager was selected to supply a fully redundant ultra-pure water installation for boiler make up water and SNCR. The plant is located in Margam, Port Talbot in South Wales.

A creative solution

Guldager delivers a fully automated plug & play solution mounted on skids, ready to install with a minimum of site construction necessary. The plant is delivered fully redundant and with an ultra clean water capacity of 10 m^3/h.

The plant consists of selected components in the pretreatment system and our RO standard plant.

- Pretreatment including activated carbon filter and duplex softener
- Reverse osmosis
- CEDI
- Mixed bed IX

Further, Guldager delivers treatment for annual boiler drainage, normally during overhall.

The delivery is a fully automated plug and play solution including full KKS documentation. It is delivered according to Guldager's quality management system in compliance with the requirements in ISO 9001.

The project ads to Guldager's significant experience in water plants for making ultra pure water out of various sources of raw water like sea water, tap water and various sources of "waste water" i.e. flue gas condensate and leachate.

Project time line

The project is a fast track project with a very short delivery time.

January	2016:	Customer & Guldager signs contract
April	2016:	FAT in Guldager workshop in Denmark
May	2016:	Delivery of equipment on site

Solutions for waste to energy industry

Guldager has experience in providing complete solutions for the power industry.

The applications cover:

- Ultra pure water line for boiler make up water
- Leachate water recovery systems
- Chemical dosing systems for precision injection, high pressure injection or dosing of various systems i.e. ammonia injection and pH adjustment
- Cooling water treatment with/without chemicals
- Antifouling systems for sea water intakes
- Glycol and other chemicals