





Your Partner for flue gas cleaning

Biomass : an unlimited sustainable energy for heat production and clean environment

Straw

Wood chips



Bagasse

Wood pellets

and also:
Local wood
Contaminated wood
....

Biomass References With Flue Gas Condensation :

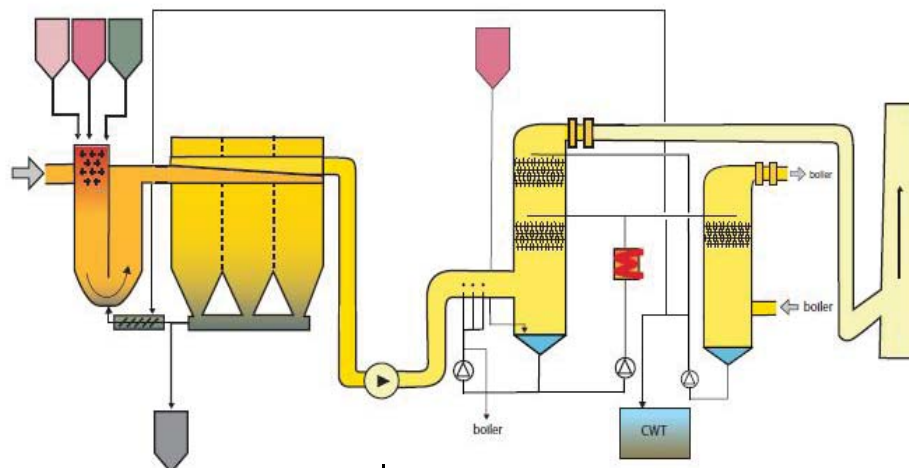
	Condensation capacity
ØRSTED / Herning - DK	41,5 MW
HELSINGØR - DK	15 MW
HOFOR / Copenhagen - DK	123 MW
AVA / Aarhus - DK	12 MW



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LAB concept for biomass flue gas treatment : SecoLAB® dry system + Flue Gas Condensation

- Acid gases and heavy metals removal on patented SecoLAB®
- Packing Scrubber / Plates or Tubes Condensers
- High efficiency condensation units by combination with **combustion air humidification**
- Condensate Water Treatment till **feed water boiler production**



SecoLAB® Process

Flue Gas Condensation



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For over sixty years LAB has been designing and building **turnkey Flue Gas Cleaning (FGC)** covering three main activities : **Waste, Power / Biomass** and **Marine Industry**.

Offering state-of-the-art turnkey solutions, LAB has joined the Environment Division of **CNIM** in 2001. **200** highly skilled specialists & engineers work all over the world, and LAB is **ISO** and **OHSAS** quality certified.

LAB devotes considerable efforts in **R&D** offering complete portfolio of advanced **Flue Gas Cleaning (FGC)** systems from dry to semi-dry and wet technologies including catalytic systems and condensation units, thanks to numerous patents.

LAB concept for **biomass flue gas treatment** is a combination of **SecoLAB® dry** process for acid gases and heavy metals removal and **Flue Gas Condensation** for **heat recovery** transferred to District Heating. Energy efficiency of the plant can be furthermore increased by combination of flue gas condensation and **combustion air humidification**.

As renewable energy, biomass increasingly becomes the new generation of sustainable energy with major **positive impact on the environment**. LAB has experienced all types of biomass, from local and contaminated wood, woodchips to straw and bagasse.

Well-known and international companies have selected LAB to install performing flue gas treatment including high level of heat recovery.

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