

## BENEFITS

Capacity increase  
Emission reduction  
Energy efficiency  
Fuel saving  
Postponing boiler investment  
Recovering of waste heat

# CASE BIO BOILER

## Energy utility

#districtheating #morepower #savingfuel  
#replacingfossilfuel #decreasingCO2

An energy utility has used fossil fuel oil to produce steam to local industry. They also have a district heating network, where heat is produced with biofuels. An objective is to phase out fossil fuels completely, within the next few years.

A survey together with Caligo experts convinced the utility decision makers and an investment decision of an CSx-SHP system to their 14 MW bio boiler was made.

As result the CO2 emissions reduced significantly, due to recovered heat energy of the flue gases. All the fossil fuel oil has been replaced with biofuels and the total efficiency of the heat production increased significantly. The max effect of Caligo CSx-SHP scrubber is 3 MW.

Caligo scrubbers, with or without integrated heat pump, are delivered always as factory tested Plug and Play units, including all HW&SW needed to autonomous control of the unit. Site time during installation of CSx is only a few days.



Caligo Industria Oy is a Finnish CleanTech company, who markets and sells product and system solutions for energy recovery and purification of flue gases in the energy and processing sectors as well as for the utilisation of waste heat from the processes. Caligo is a part of Swedish Addtech Group.

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