



ENGINEERING THERMOFLUIDS,
COMBUSTION AND HEAT

**Horizon+: self-cleaning rotary water-tube boiler designed
to work with complex biomasses.**

Xavier Mas

HORIZON+: self-cleaning biomass rotary boiler.



Successful Cases:

- Exeter
- Puxton
- Sevilla
- Donostia
- Etc.

INNOVATION

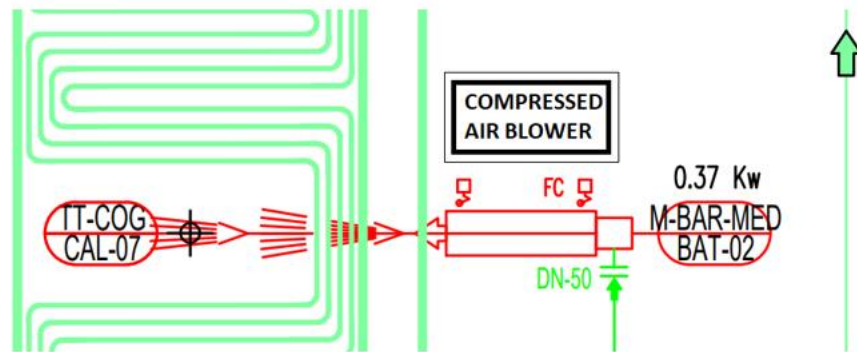
Why?



- The market for thermal energy generation from biomass combustion has been struggling since the very beginning with the costs associated with maintenance and cleaning of heat exchangers.

CLEANING SYSTEM

Even with the best solutions implented it is a reality that no one is able to keep any exchanger as clean as it is in the initial conditions.



BIOMASS PLANTS SOLVENCY

What are the main limitations to invest in a thermal generation plant from the combustion of solids?





- Opex: maintenance during years increase.



- Loss of performance: the exchange surface never back to the initial conditions. .

SELF-CLEANING ROTARY BOILER.

What does sugimat propose?





**THANK YOU VERY MUCH
FOR YOUR ATTENTION**

SUGIMAT

✉ xavier.mas@sugimat.com

☎ +34 961 597 230