



IMPROVE THE PROFITABILITY OF YOUR WASTE-TO-ENERGY PLANT WITH THE ADVANCED

# WS.WTE-simulator

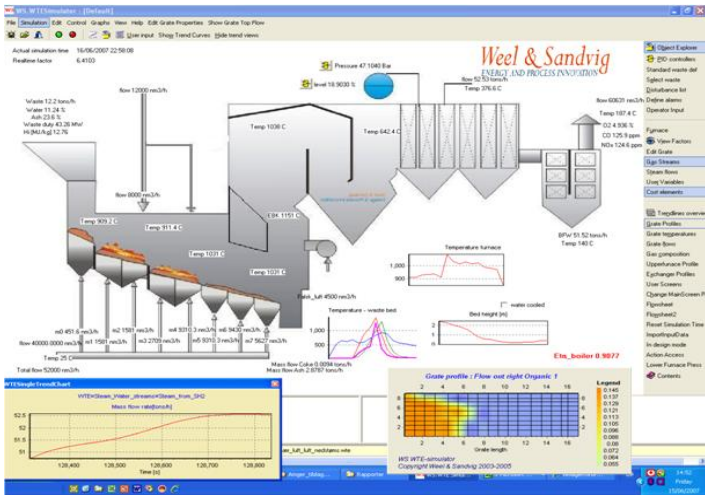
Modern waste incineration plants are large and complex. Installation and operation costs are massive. Therefore, it is required by the operator to secure full exploitation of the plant capacity while keeping efficiency high and environmental impact low.

WS.WTE-simulator is a highly realistic simulator used by major WTE-plants in Europe. The simulators have been used to educate and train hundreds of operators and managers, thereby being a valuable tool for improving plant economy.



*“By using WS.WTE-simulator, we have reduced and retarded wall slagging meaning less time for costly shutdowns.”*

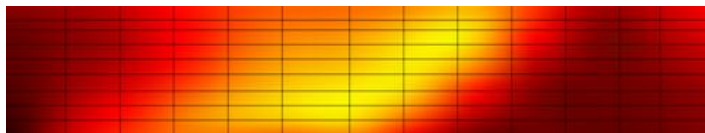
*Poul Bach Olsen, plant manager, Amager WTE Plant*



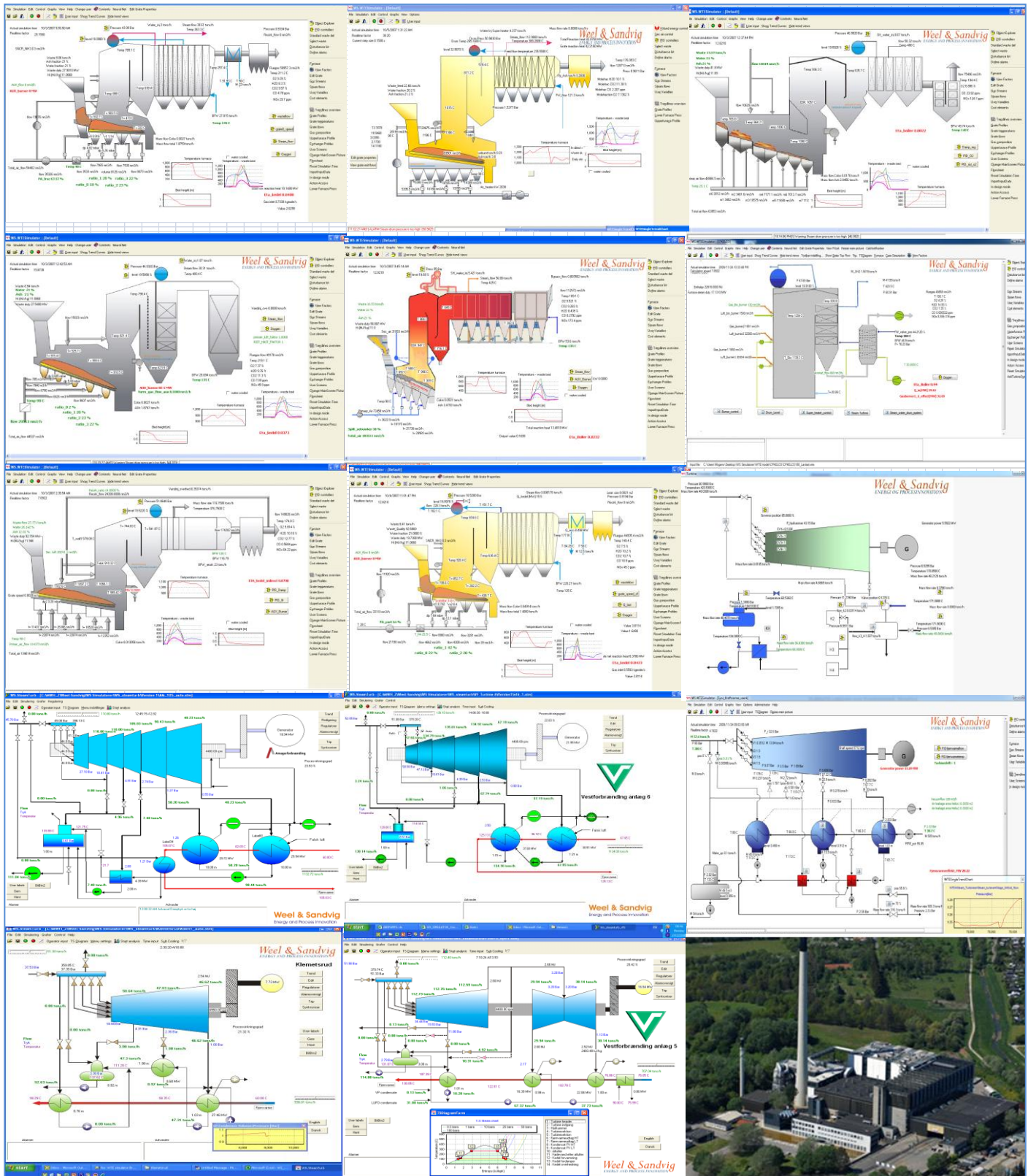
- Operator training
  - ✓ reduce downtime
  - ✓ improve learning curve
- Plant optimization
  - ✓ improve controller settings
  - ✓ increase energy efficiency
  - ✓ Increase reliability
  - ✓ reduce emissions and unburnt bottom ash
- Plant debottlenecking
  - ✓ Capacity increase (up to 10 %)
  - ✓ more steady and reliable operation
  - ✓ Explore new advanced controller configurations

Scenarios, like the effect of changed waste composition, can be examined in a controlled manner, fast and without any risk for failure or reduced production.

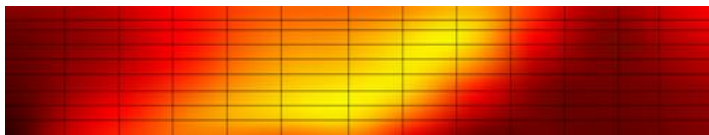
The simulator has demonstrated its value in several real cases by improving plant capacity, reliability and efficiency.



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WS-simulators your tool to succeed.



# Weel & Sandvig

ENERGY AND PROCESS INNOVATION

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