INVITATION

27TH–28TH NOV 2024
STOCKHOLM

TECHNIKGRUPPE cordially invites you to visit us at the exhibition booth on the 12th ISWA Beacon Conference Waste-to-Energy – **Stockholm Sweden**

Venue: (27th-28th November) **Hilton Stockholm Slussen**
Technical visit 29th November

Registration:
trippus.net/beacon2024

SEE YOU IN STOCKHOLM

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Technical Expert, CEO

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Optimisation of combustion processes in waste-to-energy and biomass-to-energy plants can significantly improve plant reliability, availability and profitability. The task of the combustion optimisation system is to stabilise the combustion process and thus stabilise the production of energy and the main process values like flue gas temperature and combustion air flows. The development of WiC is based on more than 25 years of experience in combustion optimisation on plants from different suppliers.

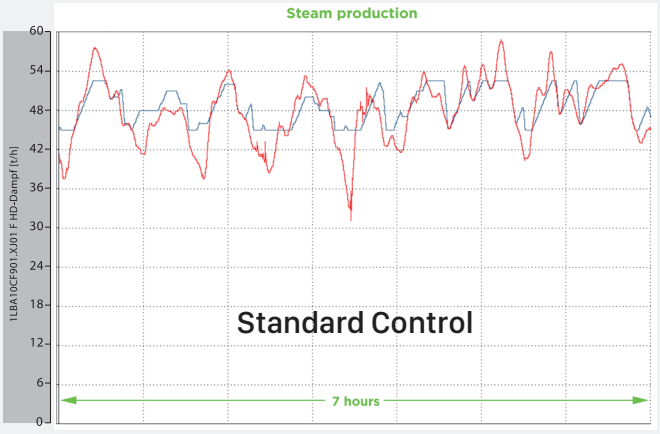


Fig. 1: Steam production controlled by Standard Control

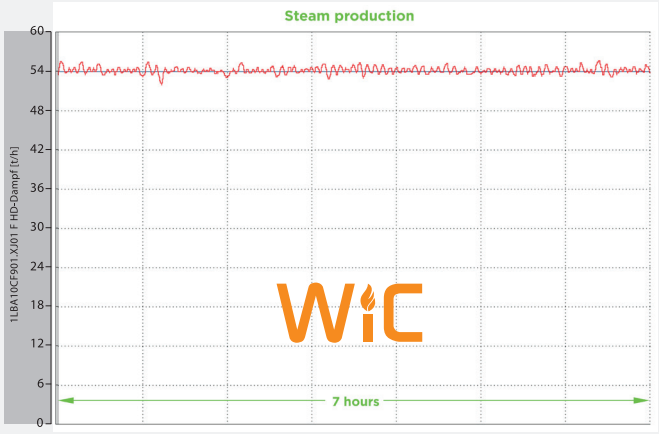


Fig. 2: Steam production controlled by WiC

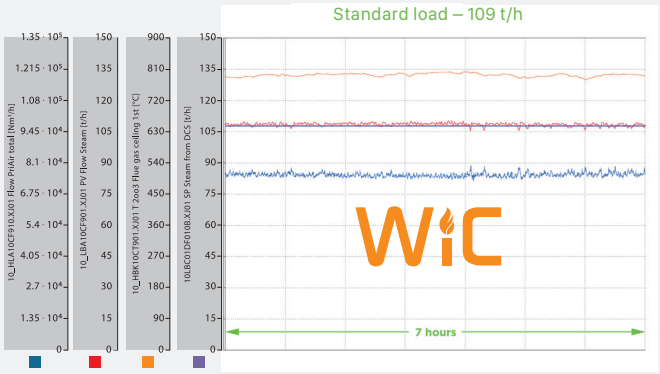


Fig. 3: After stabilising steam production, it was possible to determine the actual capacity of the system

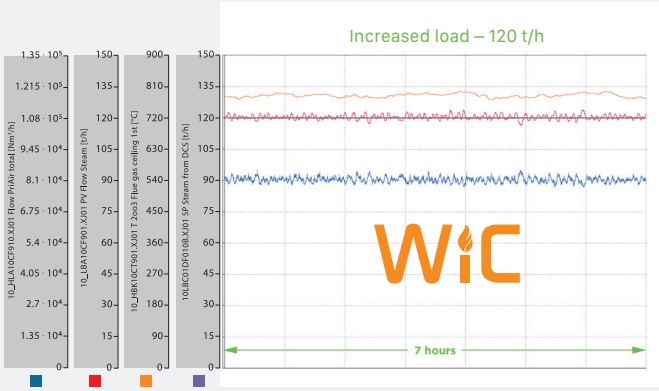
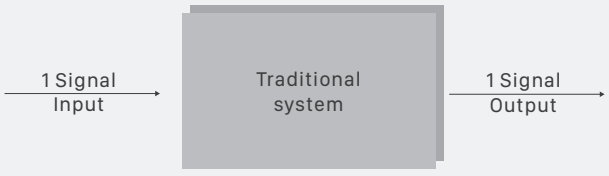


Fig. 4: This led to a 10 % load increase from the original design limit (MCR) without having to make mechanical changes

WiC simultaneously processes approximately 100 input signals and calculates all needed setpoints (20-30 output signals).



Traditional systems have about 60 functional diagrams. Processing is based on 1 signal input 1 signal output.

The WiC system has 6500 functional diagrams. WiC process simultaneously 100 input signals, and provides 20-30 outputs.

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