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

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rechnikgru

Registration: trippus.net/beacon2024

SEE YOU IN STOCKHOLM

MATTHIAS LUKIC Technical Expert, CEO

DAMIR ZIBRAT Business Development Manager Download our new 24-page brochure at technikgruppe.com/technology-of-fire

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

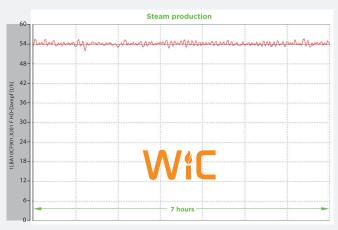


Fig. 2: Steam production controlled by WiC



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.

TG Mess-, Steuer- und Regeltechnik GmbH | Austria

Hauptstrasse 229, A-8141 Premstaetten | Wagnerweg 26, A-8054 Seiersberg-Pirka Phone: +43 (0)316 255536-0 | office@technikgruppe.com | www.technikgruppe.com

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