

WIC

COMBUSTION MANAGER


technikgruppe®
www.technikgruppe.com

NAWTEC 2019
NORTH AMERICAN WASTE-TO-ENERGY CONFERENCE

April 1 – 2, 2019
Reston, Virginia

Technikgruppe successful presentation at NAWTEC 2019

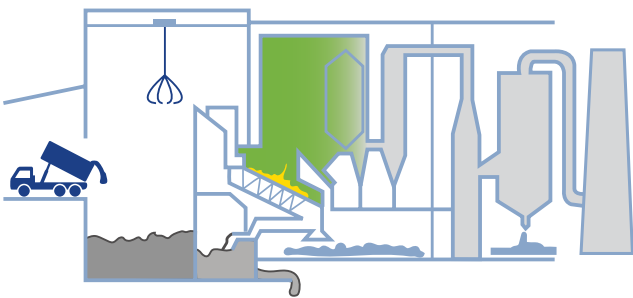
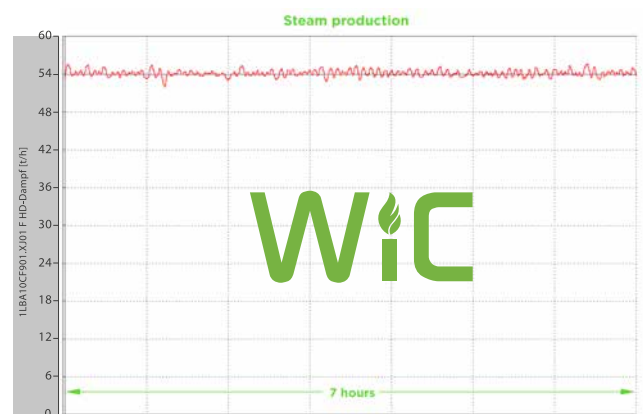
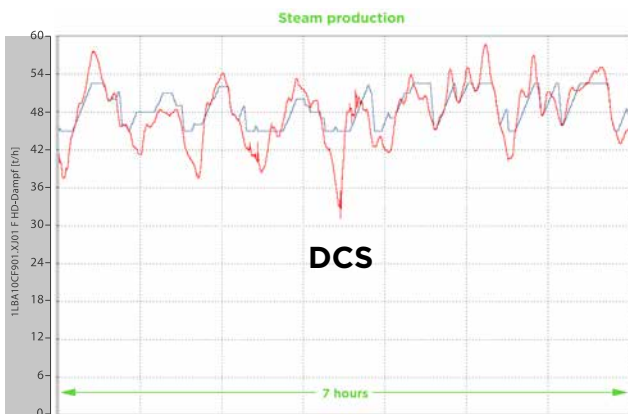


Over two days in April, during an excellently organized event in Reston, Virginia, management of Technikgruppe together with their US System Integration Partner Applied Control Engineering (ACE) had many fruitful discussions with leading experts from the US Energy-from-Waste (EfW) business. It became clear that there are many opportunities in the US for very profitable implementations of our Combustion Management Technology for forward-moving reciprocating grate fired EfW plants. Our technology is based on over 25 years of experience. Together with our integration partner, we are able to provide a strong base for optimizing US EfW facilities.



The combustion of waste on grates is a complex process. By implementing a modern Combustion Management System based on reliable trusted State Controllers, it is possible to considerably:

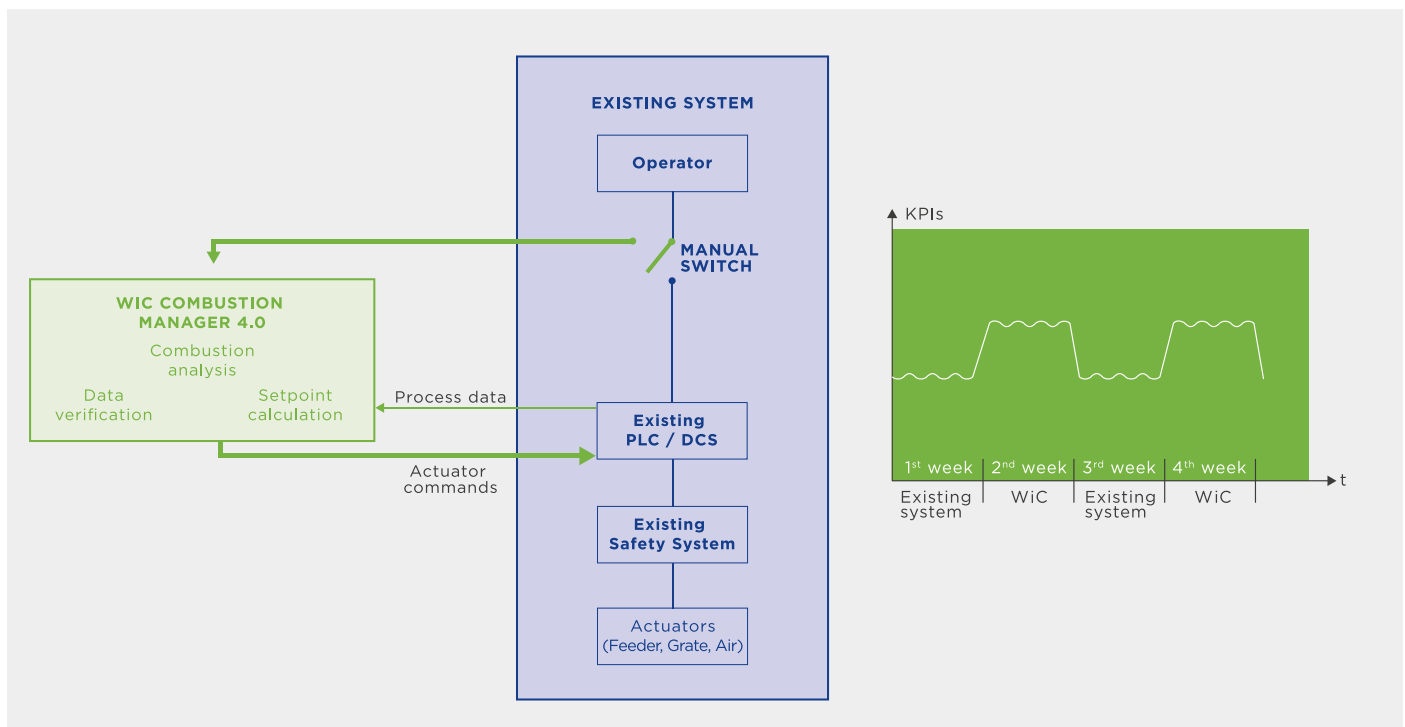
- stabilize the steam production
- enhance the steam production
- stabilize primary and secondary air flow
- stabilize the flue gas temperature



The enhancement of steam production generates more profit. The stabilization of combustion air flow, results in stabilized and lower flue gas temperature. Lowering of flue gas temperature can significantly reduce maintenance costs. These and other Key Performance Indicators (KPIs) can be beneficially influenced by our state-of-the-art Combustion Management System.

How to measure and compare the technical and financial performance of combustion systems?

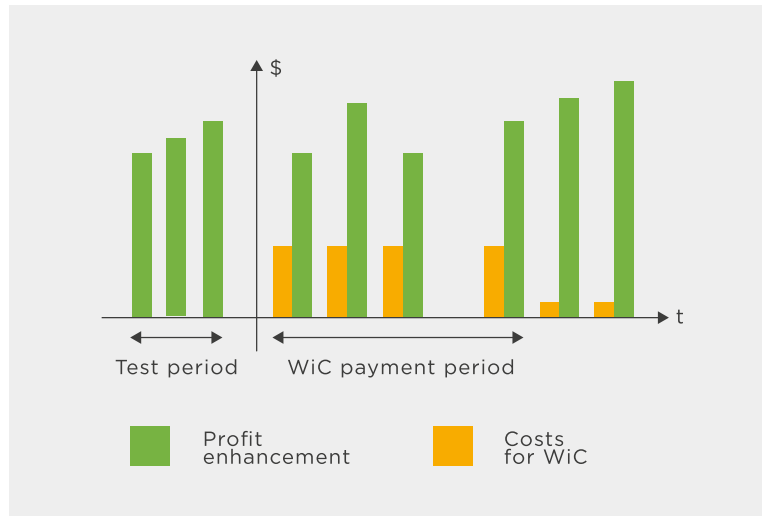
Many plant operating companies are not aware of their real plant capacity. In most cases the real built in capabilities cannot be utilized because of combustion control which might need an upgrade to satisfy current commercial and technical requirements. The best way to prove the performance enhancement of an upgrade system is to have it switch back and forth and test it under various conditions with different types of waste. Measuring and comparing the KPIs with and without WiC will quickly show the commercial and technical benefits of our WiC System. This method is the one and only way to provide a trusted calculation of the FINANCIAL and TECHNICAL benefits, as well as clearly identify the one system which GENERATES THE GREATEST PROFITS.



The WiC Combustion Manager is installed as an add-on (bypass) system. The WiC does not replace the existing automation system. With one single switch, the operator can alternate between the existing control system and the WiC anytime.

Payment model: No Cure No Pay
The WiC system will generate the biggest profit.

TG has more than 25 years of experience in the optimization of combustion on forward-moving reciprocating grates of many different manufacturers. TG's technical experts can evaluate your plant data (process values, drawings...) and make a feasibility study for YOUR PARTICULAR PLANT free of charge. If the outcome of the feasibility study is promising, TG is ready to offer the Standard Payment Model:



- Detailed plant audit free of charge
- Installation free of charge (usually no plant stop necessary, no disturbances)
- Commissioning and Operator Training free of charge (during testing, the profit enhancements will already be measured and documented)

After commissioning and testing, the customer can decide freely without any obligations to proceed with a contract, which can be terminated at any time.

- Fixed monthly rates for 3 or 5 years (after that time the customer becomes owner of the WiC System)
- 24/7 technical support (USA: local partners & Technikgruppe Headquarter)
- Monthly rate less than monthly profit enhancement – profits from the beginning
- During the payment period, the customer can cancel the contract at any time (TG will remove the system free of charge, no extra costs) > customer has no risk of not purchasing the best system

TG's technical experts have great experience in EfW Technologies. They can act as independent technical advisors. For any information, please do not hesitate to contact us. We are ready to answer your questions and, if needed, visit you during our next stay in the USA.



technikgruppe®

TG Mess-, Steuer- und Regeltechnik GmbH | Austria

Hauptstrasse 229, A-8141 Premstaetten

Phone: +43 316 255536-0 | office@technikgruppe.com | technikgruppe.com

Contact:

Damir Zibrat | damir.zibrat@technikgruppe.com | Mobile: +43 664 783 67 16

Phone: +43 316 255536

