

# SAACKE Plant Modernisation



# Technical Excellence

- Growing dynamism in global competition with regard to quality, time and cost-benefit ratio,
- minimal emissions for the protection of environment and resources,
- maximum flexibility regarding choice of economical fuel,
- continuous optimisation of all systems and components,
- worldwide service...

**Economic Efficiency is Integral to Burner Technology**



For more than 70 years our burner systems have proved their efficiency daily. Due to the success in the world's industrial thermal markets we have turned these requirements into technical reliability, first-rate engineering, power of innovation, and comprehensive service. More than 100 000 burners worldwide in every field of industry and process technology as well as more than 4 000 marine engines perform successfully for our customers.

Clean combustion with maximum efficiency, low emission rates, excellent operational reliability and, moreover, fast and 'easy' adjustment to individual environments and requirements secure your investment long-term.

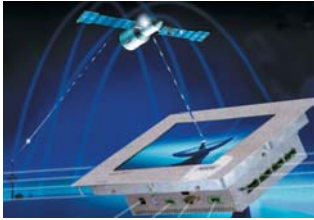
The modular burner systems meet all their operators' requirements. Today and in the future. Standardised components and numerous variants allow a maximum amount of flexibility.



Our technological lead is founded on the readiness and ability to continuously improve our products and services and is supported by our own extensive research and development.

In co-operation with SAACKE, customers profit from the broad performance spectrum of our experience, the comprehensive competence of the worldwide operating system-supplier and from customer proximity through the global network of service partners – it's all in one.

# Innovative SAACKE technology makes existing plants more efficient



**A** - Tele Support & Service



**B** - O<sub>2</sub> Feedback Control



**C** - Automatic Firing Sequence Control



**D** -  $\mu$ P controller RSE-P II



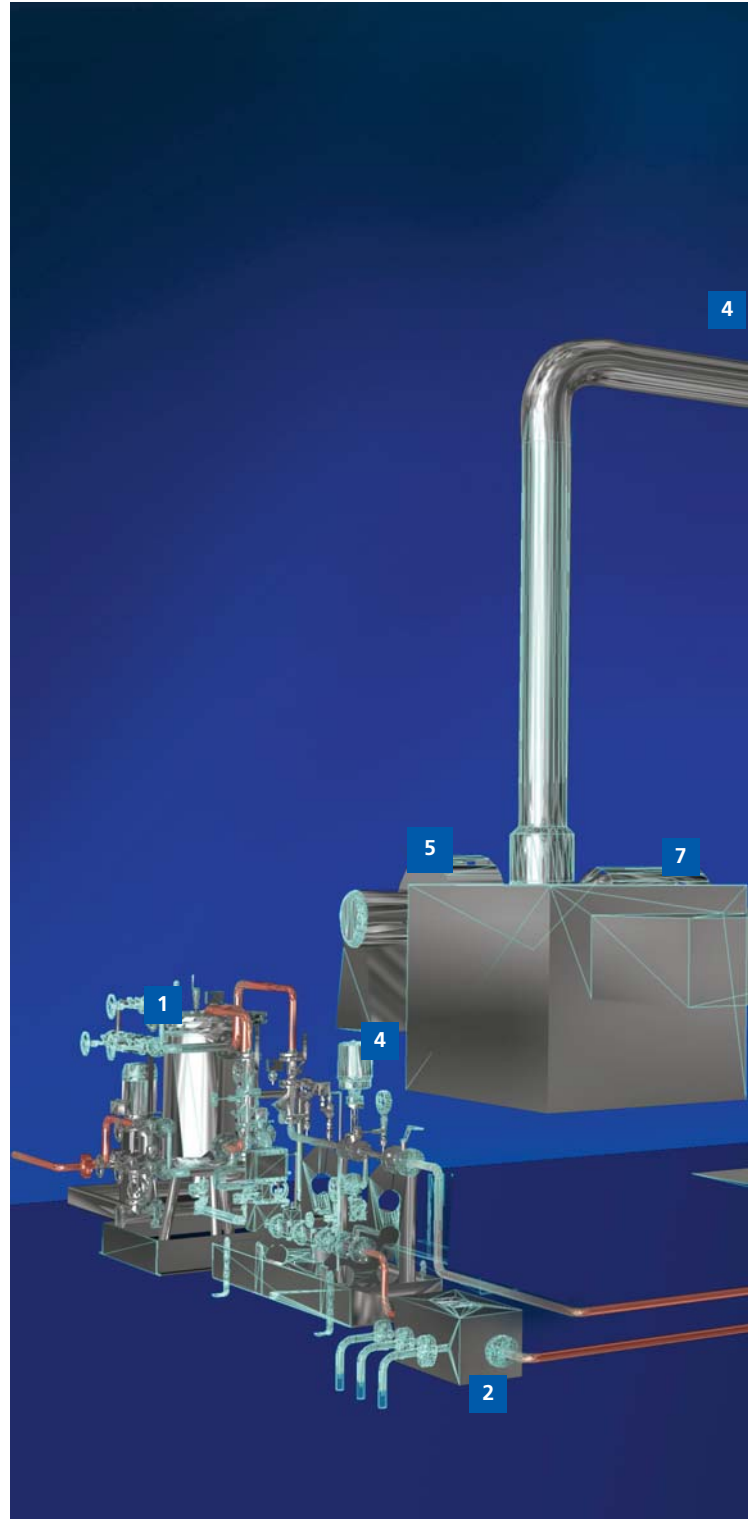
**E** - IMS Information Management System



**F** - Level Monitor

In the course of the service life of a heat generator it is necessary to upgrade periodically to keep abreast with advances in technology and changes in industry legislation. SAACKE offers an extensive program for this purpose:

1. Conversion to a lower-cost or lower-emission fuel
- 2./3. Reduction in emissions with a burner retrofit or replacement
4. Firing plant upgrade to electronic compound control
5. Speed control of the combustion air fan
6. Conversion of the heat generator for unmanned operation
7. Optimisation of the efficiency rate with a waste gas heat exchanger for heating the feedwater, return water or combustion air
8. Optimisation of the efficiency rate through feedback control of the flue gas O<sub>2</sub> content
9. Increase in operational safety from an EMC technology upgrade with optimised control and monitoring concepts
10. Remote monitoring and control of the heat generator







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**South-Africa**

**Russia**  
 Ukraine

**Australia**  
 New Zealand

- **Training at site and in the SAACKE premises**
- **24-hour service**
- **Diagnostics by teleservice**
- **SAACKE companies, factories and service stations worldwide in 20 countries**
- **Additional 70 international SAACKE Contact Offices**

# Count on this Service

SAACKE Production sites and service stations in 20 countries worldwide, additional 70 international SAACKE contact offices, supply of spare parts in 24-hour service, repair and replacement around the clock... We help competently and immediately – wherever you need us.

Diagnostics via tight-knit, worldwide Tele Support & Service and extensive capacities in maintenance, repair and spare parts logistics enable us to ensure your burners' trouble-free operations long after assembly and commissioning at site.

SAACKE's customers worldwide can rely on fast availability regarding repair and replacement of all SAACKE burners. SAACKE's service partnership includes at the same time – depending on the individual agreement – maintenance and operational optimisation of your burners, training of boiler room personnel, safety inspections according to TRD or complete boiler room management by our specialists.

In line with our burner systems, we offer a wide choice of services to choose from at any time, according to your special requirements.

Our service is geared to one aim: to secure the functioning of your burners for many years - economic, eco-friendly, reliable!



*Tele support & service  
replaces external servicing  
in many cases.*



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