



UNCOVER POTENTIAL.
ENERGIZE YOUR
BY-PRODUCTS.



SAACKE: INDIVIDUAL AND SYSTEMATIC.



SAACKE, a specialist in the design and building of fuel burners, system solutions and turnkey plants for industrial thermal processes, is the preferred choice for cutting-edge solutions, whether onshore, offshore or on-board. With a network of manufacturing facilities, over 1,000 highly qualified

employees as well as offices and sales partners strategically positioned across the globe, we are there for you where and when you need us.

What sets SAACKE products and systems apart from the competition is their superb energy efficiency, safety and environmental soundness.

And whether standard system component or customer-specific solution, our systematic approach will come up with the best solution for your specific needs.



Expertise that comes only through years of challenging international projects is at your disposal when you choose SAACKE.

THE CHEMICAL INDUSTRY SPECIALIST.



Particularly in the chemical industry, the energy potential of by-products and residues often goes untapped. There are several reasons for this, but the most challenging are the volatile calorific values and problematic nitrogen content levels of these gases.

Enter SAACKE. Our engineers and experts excel at turning resources you'd written off into energy. They analyze individual processes closely to discover and evaluate unexploited potential before getting to work on developing specific solutions that enable utilization of your problem substances.

Whether fuel burner, turnkey plant, intricate combustion system, assemblies or system components, your needs are challenges we tackle on an individual basis. We'll see your project through to its completion, providing you with basic engineering services, system and pipe installation plans, and we'll even perform the actual installation and fine-tune the system to run to your expectations.



CUSTOM-TAILORED AND HIGHLY EFFICIENT.

SAACKE's plants are known for their high efficiency, reliability and longevity. And their low emissions are the talk of the industry.

An example is the turnkey plant SAACKE designed and built for Odfjell Terminals in the Port of Rotterdam. The plant converts the vent gases produced at the tank storage terminal into energy. Our system incorporates one of our SSB swirl burners, which we modified for the application, and a custom-designed measurement and control system. The plant converts gases of low calorific value, saving 800 m³/h of natural gas.

- **Custom-designed turnkey solution with most advanced technology available**
- **800 m³/h of natural gas saved through the combustion of low-calorific vent gas**
- **Guarantees safe and reliable combustion of zone 0 gases without the use of combustive additives**
- **Employs the use of high-efficiency combustion technology with fuel staging for lower emissions**
- **Convenient operation, maximum availability and superior longevity**
- **A back-up heat transfer fluid system expands the range of control**

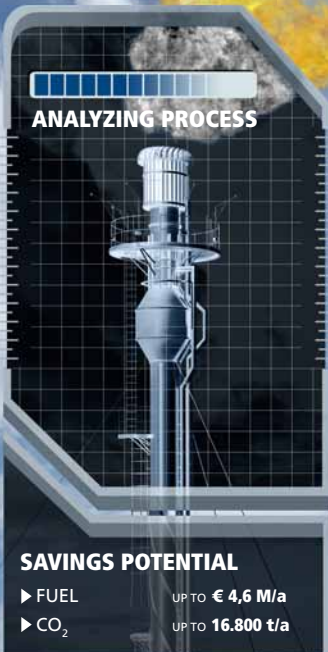


Odfjell Terminals: We designed and built a new solution for the safe combustion of vent gases produced by the tank storage facility.

DISCOVER THE POWER OF BY-PRODUCTS.

The world's appetite for energy is growing furiously. Being one of the leading manufacturers of combustion technology products and systems, we know that we have an enormous responsibility to humankind, which we take very seriously. Our answer is to provide solutions that boost efficiency, economy and profitability while conserving our natural resources and our environment, the latter through the conversion of by-products and use of alternative fuels. SAACKE has developed various technologies for low-emission combustion of by-products or residues from chemical manufacturing processes.

An example of what we mean is a system combining effective heat recovery for production with thermal flue gas disposal, employing heat transfer fluids, thermal oil or steam. The system can also use liquid residues or by-products. In any event, the system effectively reintegrates the recovered heat into your process.





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