Better energy just needs a breath of imagination.

Discover energy you never thought you had.
Discover the power of by-products.

The world’s appetite for energy is growing considerably. Being one of the leading manufacturers of combustion technology systems and products, we know that we have an enormous responsibility to mankind, which we take very seriously. Our answer is to provide solutions that improve efficiency, economics and profitability while conserving our natural resources. So 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 processes within the chemical industry.

An example of this is a system combines the heat recovered from the production of waste gases, usually just flared to atmosphere, with the transfer of heat to thermal oil or steam application. The system can also use liquid residues or other by-products. In any event, the system effectively integrates the recovered heat into your process.
Use energy more efficiently.

SAACKE: individual and systematic.

SAACKE, a specialist in the design and manufacture of burners, system solutions and turnkey plants for industrial thermal processes. 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 compliance. Whether standard system component or customerspecific 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.
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 and liquids. Our engineers and experts excel at turning resources you’d written off into energy. They analyze individual processes closely to discover and evaluate available potential before getting to work on developing specific solutions that enable utilization of your problem substances.

Whether 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.
Besides developing individual components, we also support our customers as a general contractor for turnkey solutions, including overall project management.

We installed a complete combustion plant for ANGUS Chemie GmbH based on the principle of recycling waste chemical production material to reclaim the energy, for example. The plant has a capacity of eleven megawatts and makes a significant contribution to energy cost savings and to the conservation of fossil fuels as well, by ensuring a more efficient and environmentally friendly operation.

- NO\textsubscript{x} emissions are well below the statutory requirements thanks to the perfected two-stage combustion
- Savings of up to 85% of the natural gas required for steam generation
- Efficient residue incineration for an essentially closed, waste-free production cycle
- Flexibility with regard to the fuels and quantities (both vent gases as well as liquid waste material)
- High plant availability of 98% and a short ROI period
- Innovative, fully-automatic boiler cleaning system during operation
- Reliable and prompt commissioning, customer support even after the completion of the project (control migration and maintenance)
- Service life of the plant: at least 25 years

The new combustion plant for the thermal recovery of waste chemical production material at the ANGUS Chemie GmbH location in Ibbenbüren.