

**KAESER**  
**COMPRESSORS**

*Built for a lifetime.™*



# Custom Engineered Solutions

For Plant, Process, and Instrument Quality Air

[kaeser.com](http://kaeser.com)

# Custom Engineered Solutions

## **Built for a lifetime™ system design services**

*Kaeser's custom engineered solutions are compressed air and vacuum systems built to specification for the most demanding and challenging installations. Whether in custom enclosures or modified ISO shipping containers, these complete systems are designed for exceptional reliability, simple maintenance, and superior energy efficiency no matter what the installation limitations may be. They eliminate space, weather, and accessibility constraints and can significantly reduce construction, installation, and operating costs.*

## **Innovation you can trust**

Kaeser is committed to providing solutions to meet our customers' compressed air needs. Our world-wide reputation for superior reliability and efficiency coupled with our comprehensive design expertise mean we deliver engineered systems perfect for any installation, anywhere.

## **Rugged reliability**

We aren't intimidated by demanding installations. Available with full enclosures, different levels of weatherization, and to meet any ISO Air Quality Class, our engineered air solutions meet our rigorous "built for a lifetime" standard. Whether for plant air, instrument air, low or high pressure, or even vacuum, they are designed and built to deliver the air you need with the exceptional reliability you expect from the Kaeser name.

## **Cost Effective Alternatives**

These complete turnkey systems greatly reduce onsite planning and installation costs and time since there's no need to build a new compressor room or add on to an existing building. This eliminates the many expenses and delays associated with construction permits and inspections without sacrificing safety or quality. Kaeser's custom engineered solutions can be installed indoors or outdoors and can even be moved between jobsites.

## **Guaranteed efficiency**

In our comprehensive design approach, Kaeser chooses the components that work together in the most energy efficient way possible. Each and every component — from inlet filter to discharge flange — is carefully selected with system performance in mind. With our superior integrated controls, we guarantee an effective system with lower operating costs, however small or large your demand may be.



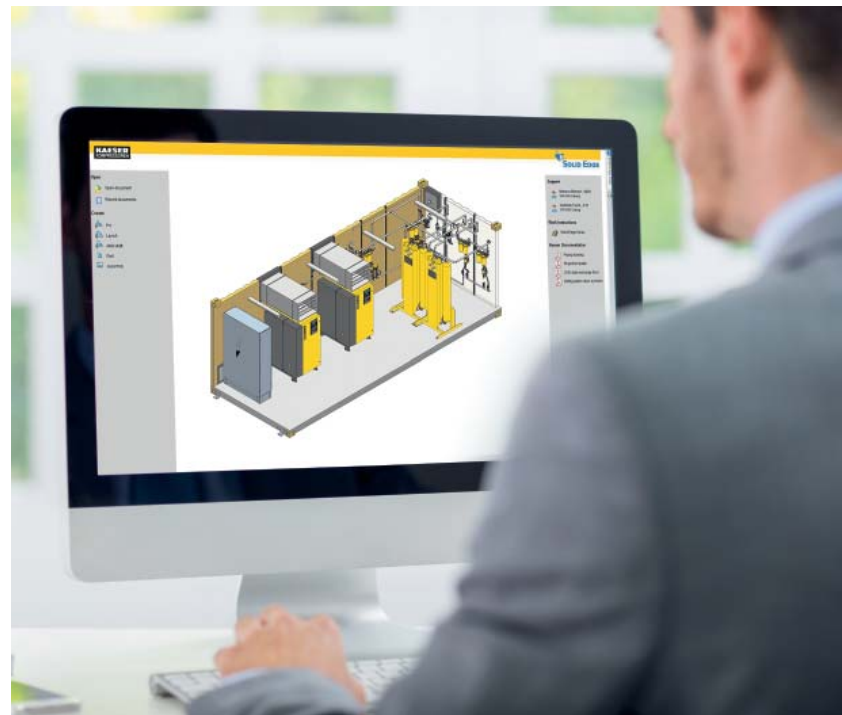


## Flexible, adaptable, scalable

Our capabilities are as varied as our customers' needs. Customizations include but are not limited to weather hoods, cabinet heaters, ducting, full system enclosures, high dust filtration, and much more for a wide range of climate zones, pressure ranges, and air quality needs.

Complete systems with compressors, blower packages, boosters, vacuum packages, compressed air filters, refrigerated dryers, desiccant dryers, condensate management, piping, and more are selected according to your application.

Our design and engineering team works with you to carefully review your needs and specifications to build a complete system to exceed your expectations. Using the latest in CAD technology, we can create detailed P&I schematics, dimensional, and even 3D drawings of proposed systems. Our design services takes the guesswork out of facility planning.



# Complete systems

## Engineered to meet any specification



*Air receiver tanks and condensate management*



*Rotary screw compressors*



*Full range of compressed air filtration*



*Complete blower packages with integrated controls*



*Thermostatically controlled louvers and enclosure heaters*



*Desiccant dryers*

# Custom fabricated enclosures and modified containers



Our modified ISO shipping containers are built for easy transport and ruggedness. They can be permanent installations, but are ideal for rental installations, construction sites, or other situations where a temporary source of compressed air might be needed.



*Blowers for wastewater aeration*



*Plant air system for engine parts manufacturer*



For a complete compressed air system perfect for outdoor installation, Kaeser offers custom fabricated enclosures. These can be built to any dimension and are easily transportable.

### Custom Enclosures

- Steel welded frame covered with insulated and waterproof aluminum skin
- Various lengths and widths available up to standard dimensions for truck transport
- Single or double doors for easy service accessibility
- Can be designed for seismic and wind forces of up to 300 mph
- Interior with thick sound dampening insulation for ultra-low noise levels
- Available in a variety of colors



# Custom fabricated skids and outdoor modifications

Kaeser's skid-mounted offerings provide a complete compressed air system that's easy to transport without sacrificing on features or performance. They are the go-to choice for demanding manufacturing, petro-chemical, and other industrial applications.



*High pressure system for PET bottle making*



*Instrument air system for oil & gas installation*





*Outdoor instrument air package for petro-chem installation*



*Instrument air for natural gas pumping station*

# Compressed air delivered to your doorstep



**Packaging**



**Loading**



**Transport**



**Delivery**

# Sigma Air Utility



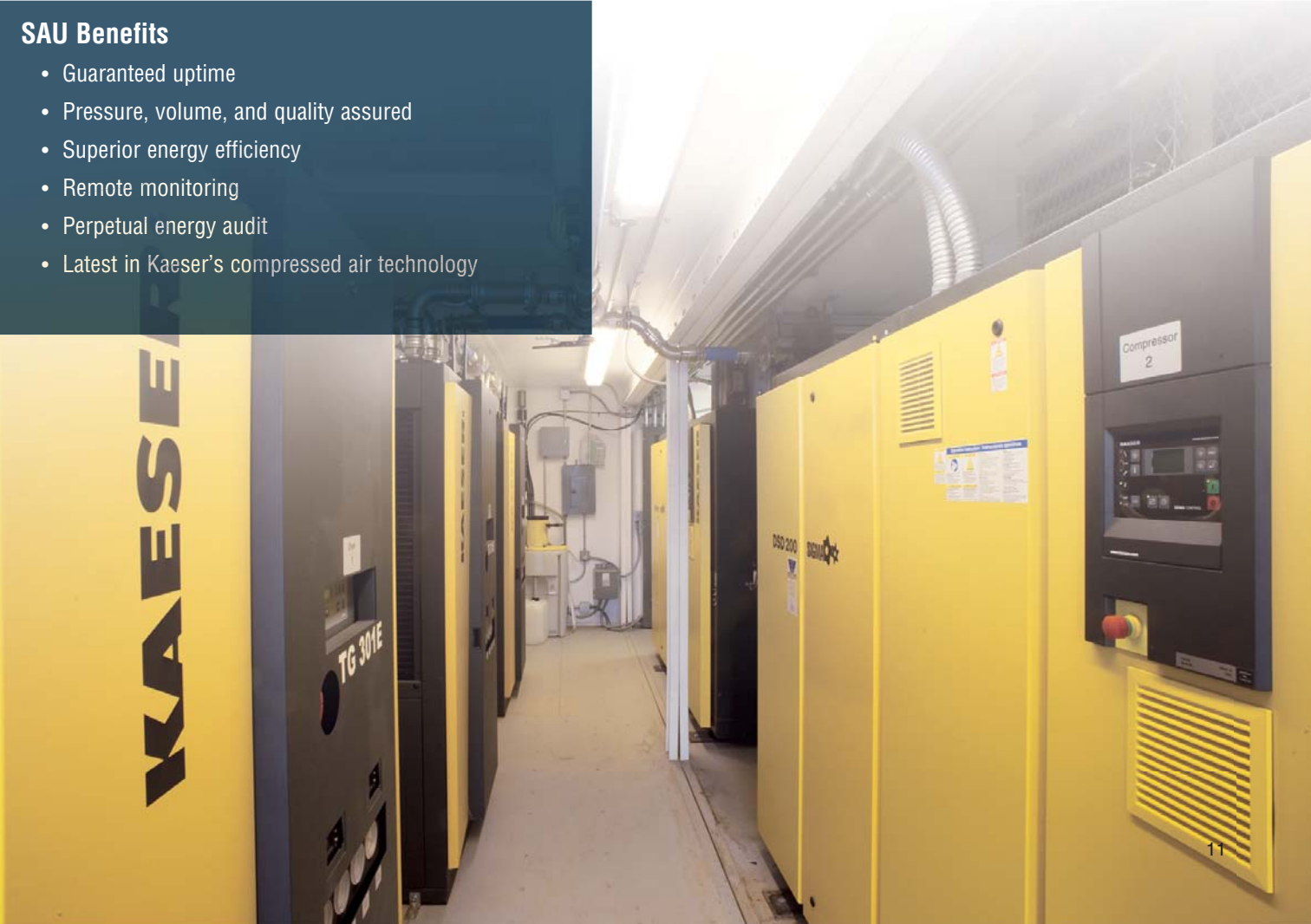
600 total hp for an automotive parts manufacturer

Do you produce your water, gas, and electricity? Probably not. So why own and operate compressors if you don't have to. Let Kaeser—The Air Systems Specialist—plan, install, and maintain a complete air system in your plant, so you can focus on running your business.

Sigma Air Utility is a proven solution. We design, build, own, operate, maintain, and stand behind your compressed air system. We guarantee the amount of air you need, at the pressure you need, and at the quality you need—at all times. On top of that, it will be the most energy efficient air system you've ever had.

## SAU Benefits

- Guaranteed uptime
- Pressure, volume, and quality assured
- Superior energy efficiency
- Remote monitoring
- Perpetual energy audit
- Latest in Kaeser's compressed air technology



# The world is our home

As one of the world's largest compressed air systems providers and compressor manufacturers, Kaeser Compressors is represented throughout the world by a comprehensive network of branches, subsidiary companies and factory trained partners.

With innovative products and services, Kaeser Compressors' experienced consultants and engineers help customers to enhance their competitive edge by working in close partnership to develop progressive system concepts that continuously push the boundaries of performance and compressed air efficiency. Every Kaeser customer benefits from the decades of knowledge and experience gained from hundreds of thousands of installations worldwide and over ten thousand formal compressed air system audits.

These advantages, coupled with Kaeser's worldwide service organization, ensure that our compressed air products and system deliver superior performance with maximum uptime.



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