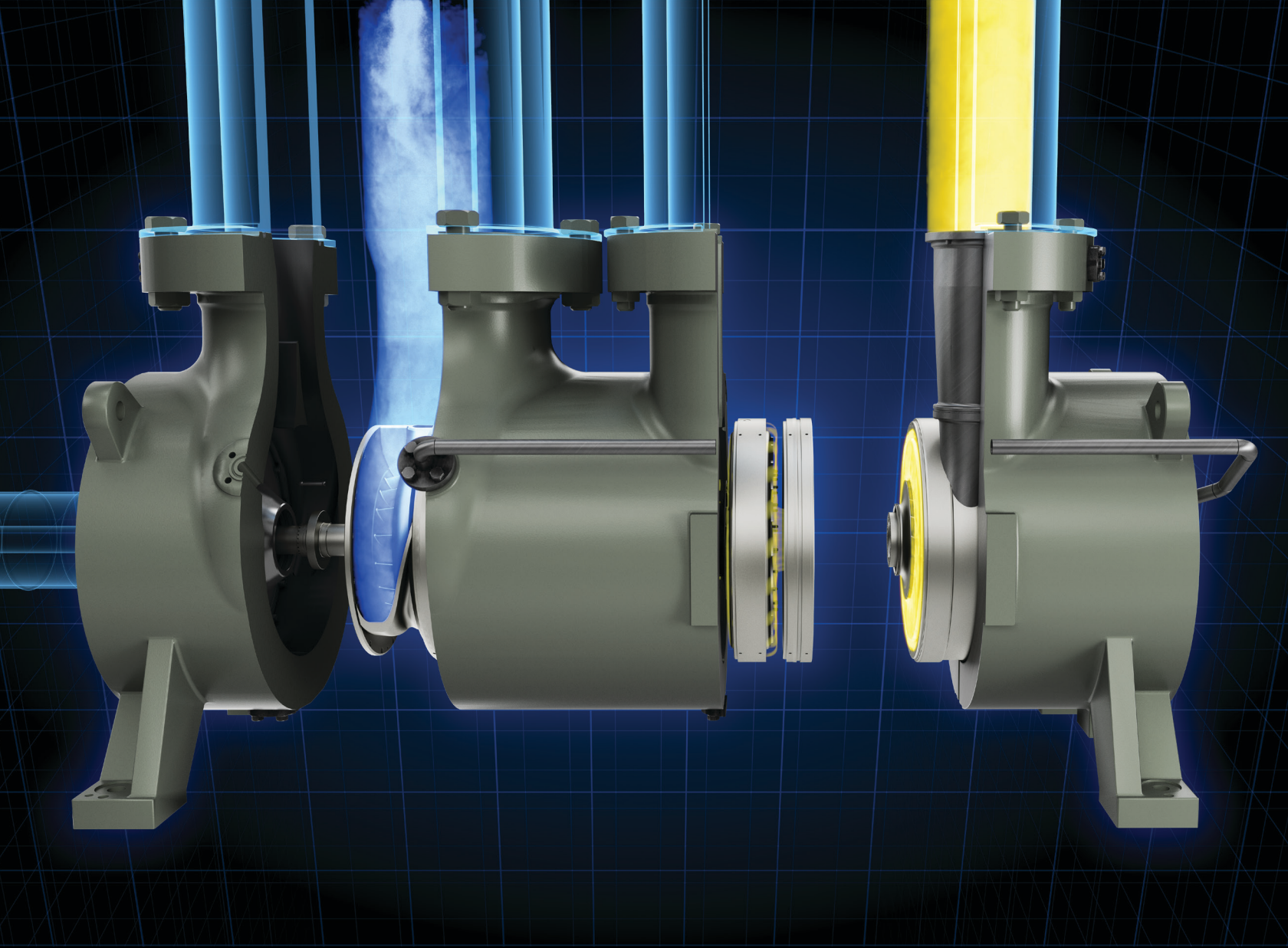


GAS COMPRESSORS FOR PIPELINE AND PRODUCTION

solarturbines.com

Solar® Turbines

A Caterpillar Company

GAS COMPRESSORS

When you're looking for reliability, application versatility and experience in compressors, no other company comes close to Solar Turbines. Solar uses cutting-edge technologies and processes that maximize simplicity, flexibility and value. We've leveraged more than 65 years of experience on more than 7000 compressors to provide our customers with:

- Fully integrated turbomachinery
- Low life-cycle costs
- High reliability and availability

Fully Integrated Turbomachinery Solutions

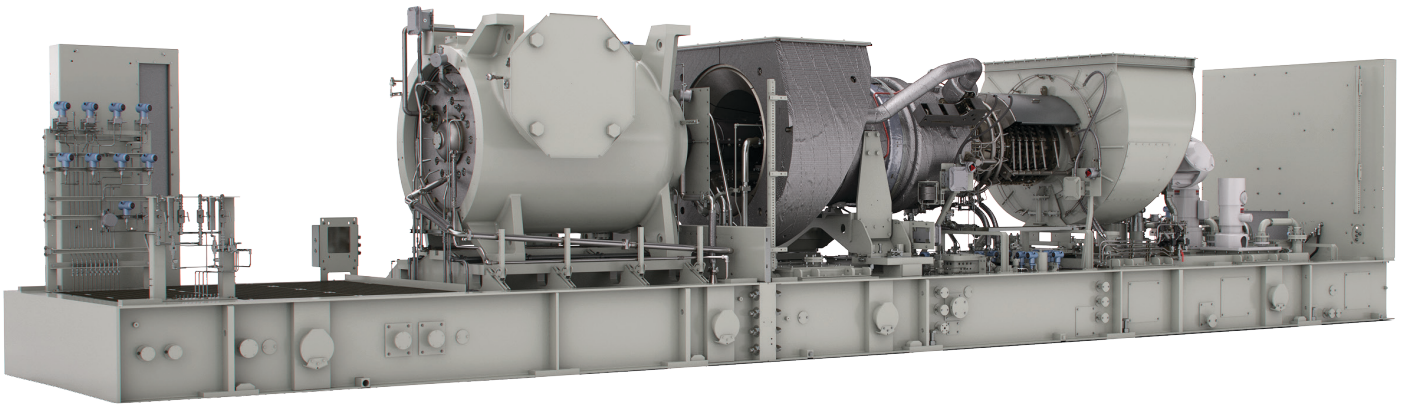
At Solar Turbines, each compressor model has a family of pre-engineered aerodynamic stages that can be selected for optimal efficiency for specific customer applications. Fully integrated designs allow each Solar compressor to be precisely matched to a Solar® gas turbine. If an electric motor drive (EMD) is required, we will match the optimum motor to your Solar compressor. You can be assured that the complete package design is proven as the driver and driven performance is developed as a complete system.

Low Life-Cycle Costs

Solar compressors provide energy-saving efficiency over wide operational ranges. Our compressors are designed for rapid and easy restaging so you can quickly adapt to changing operating conditions and maintain peak efficiency. Our modular rotor construction leverages spare parts – from single impellers to full bundle replacements. This not only provides quick response to foreign-object damage but also allows you to optimize performance which saves you time and money.

High Reliability and Availability

All Solar facilities are certified to the Quality Standard ISO 9001:2008. Our certified design and manufacturing processes, complying with API 617, result in durable, precise components that result in industry-leading first pass test success. Solar's established quality standards and validated performance predictions result in compressors that meet or exceed performance and reliability goals.



MIDSTREAM APPLICATIONS

With a reputation for durability and reliability, Solar pipeline compressors deliver best-in-class service with high efficiencies and wide operating ranges. Solar compressors are designed with the latest aerodynamic technology to deliver industry-leading 89+% isentropic efficiencies. Solar offers seamless pipeline coverage throughout our power range to meet any midstream applications around the globe.

UPSTREAM APPLICATIONS

Solar production compressors deliver best-in-class service with high pressure ratios compressor solutions with wide operating ranges for application flexibility. Solar has compressor options with alternate casing configurations (corrosion resistant, low temperature, side/up nozzles) to meet application requirements. Our drive-through approach provides process flexibility, allowing for intercooling and side streams, as well as meeting high head application requirements. Additional compressor solutions include four nozzle compressors when high head is required but space is at a premium. Our upstream solutions have compressors designed up to 5000 PSI MAWP.

To demonstrate and develop our upstream technology, our San Diego facility contains full-load test facilities that have two parallel test loops allowing for full scale testing and support for ASME PTC-10 Type I and II compressor tests for our entire fleet of compressor solutions.

CENTRIFUGAL COMPRESSORS

PRODUCTION	PIPELINE
C16	C40
C31	C45
C33	C65
C40	C75
C41	C85
C50	
C51	
C61	
C71	

POWERING THE FUTURE

The worldwide sales and service organization at Solar Turbines is dedicated to your success. Our culture of customer care is the foundation for our commitment to the highest quality customer experience – from your initial contact throughout the life of your equipment. Our customer support personnel make up the world's largest, best trained and most experienced turbomachinery service team for on-call support. Our application engineers are ready to help with performance optimization solutions as site conditions change, and our worldwide service support network provides OEM repair, overhaul and restaging. You can count on Solar Turbines for industry-leading quality support.

CONTACT US

For more information and to locate the office nearest you,
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or email infocorp@solarturbines.com

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