



# OVERHAUL CAPABILITIES

## WORLDWIDE TURBOMACHINERY SUPPORT

**Solar<sup>®</sup> Turbines**

*A Caterpillar Company*

# WE EXCEED YOUR EXPECTATIONS

Using Solar's extensive fleet operating data, wide field experience, and special manufacturing processes, we can deliver performance and reliability through the next service interval.

Every Solar overhaul guarantees the same performance as a new turbine. Renewed gas turbine engines contain Solar® Certified Parts that have been restored and rigorously tested to meet the original performance specifications.



# SOLAR TURBINES OFFERS OVERHAUL OPTIONS

## MAJOR OVERHAUL

**Exchange** – No matter how customized or unique your request or configuration is, this option will guarantee the same features in the exchange and can put you back in operation in as little as two days.

With more than 800 exchanges per year from all Solar product lines, this is our most popular option.

The engine you'll receive is rebuilt with the latest technology and is rigorously tested so that we are only reusing parts that meet our high standards. Solar has teams and facilities strategically located around the world to make this process happen in a safe and quick manner.

**Immediate Response to Field Emergencies** – Engine Out of Commission Priority (EOCP) is our exclusive program, which is designed to respond rapidly to a critical engine failure. With a large fleet of Solar-overhauled gas turbine engines in stock and positioned strategically worldwide, we are ready to help our customers get back into production quickly, often within 48 hours or less.

**Customer Property** – If you prefer to have your original turbine returned to you, a major overhaul can be performed on your equipment. New or factory renewed parts are utilized, as well as remanufactured original components where applicable. Your equipment is tested and certified to operate to current specifications and shipped back to you.

## GAS TURBINE UPRATING YOU CAN TRUST

You can benefit from the latest turbine design improvements by increasing the horsepower of a Solar gas turbine through an uprate at the time of overhaul. This is a cost-efficient way to make your business more productive. Uprating your Solar gas turbine gives you the ability to:

- Grow your power density
- Increase gas compressor flow or generate more electricity
- Improve CHP efficiency with higher exhaust temperatures

With Solar's overhaul services, you receive direct access to the people who created your equipment. Engineers and field technicians work together to ensure your needs are met.

**Backed with a Full Warranty** – Solar Turbines stands behind its overhauled engines with a like-new full 12-month warranty that protects against unlikely defects in workmanship and materials.



# REPAIR OPTIONS

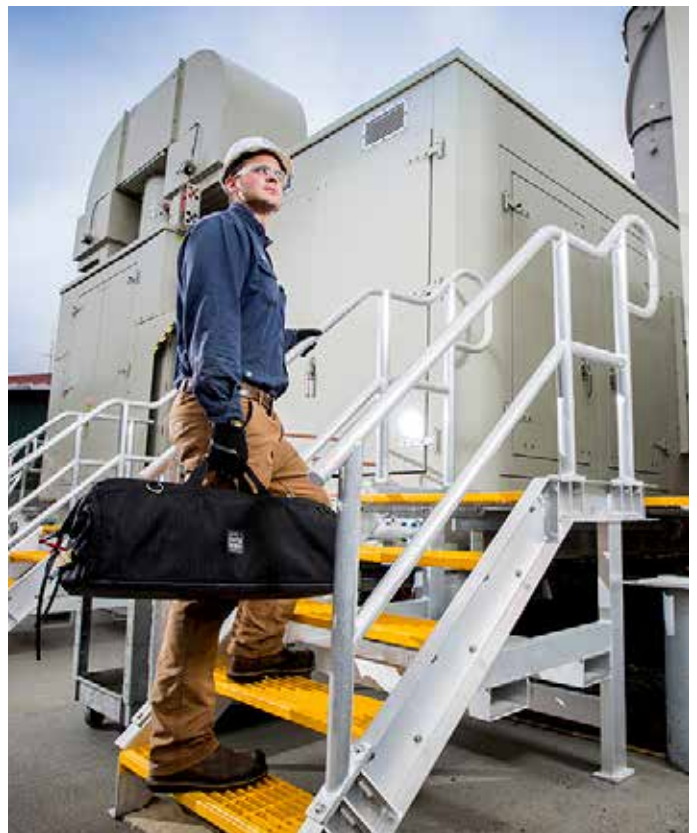


## FIELD REPAIR

The efforts of our dedicated repair team are focused on getting your gas turbine engine back in operation at your site as soon as possible. The factory technicians have the tooling, procedures and design knowledge to restore turbine operation.

## SHOP REPAIR

Your gas turbine engine is brought to a Solar facility, and we conduct all repairs necessary to renew mechanical integrity.



# SINCE THE '60S

**Solar Turbines has completed more than 30,000 overhauls since the 1960s and continuously improves our turbine design for more power and reliability. Since building our first commercial gas turbine engines, the Solar team has achieved unparalleled industry success.**

We focus on overhauling gas turbine engines to Solar's latest specifications for performance and durability. With more than 16,000 gas turbine units operating in 100 countries, we help our customers achieve their goals every day by keeping their turbomachinery up and running throughout its entire lifecycle.



# COMPLETELY REBUILT FROM THE GROUND UP

## REMANUFACTURING AND OVERHAUL EXCHANGE PROCESS

Solar and customer identify turbine ready for overhaul



Solar builds remanufactured turbine with original specifications and current product enhancements



Remanufactured turbine shipped to customer site



Parts prepared for next Solar overhaul



Original turbine disassembly and inspection



Original turbine shipped back to Solar



Turbine exchange performed on-site



# OUR PROCESS IS KEY

<b>COMPLETE ENGINE DISASSEMBLY</b>	Identify areas that require special attention.
<b>INSPECTION AND DISPOSITION</b>	Validate all parts and components to meet specifications.
<b>TESTING</b>	Verify mechanical integrity to ensure engine performance meets or exceeds test.
<b>DOCUMENTATION</b>	Provide a complete documentation portfolio, which includes an equipment condition report detailing the state of your exchanged equipment after thorough disassembly, and a certified test report of the outgoing equipment.
<b>OBSERVATION</b>	Customers are invited to observe any or all steps of the overhaul process including testing.



# THE SUSTAINABLE PATH TO OVERHAUL

Solar Turbines is proud to bring used components back to original conditions and specifications. By having your gas turbine overhauled by Solar, you assist us in reducing the need for raw materials and decreasing our carbon footprint. Thank you for helping us meet our sustainability goals!

**One Team. Committed to World-Class Overhaul Service.**



## CONTACT US

For more information and to locate the office nearest you, visit [solarturbines.com](http://solarturbines.com), call +1-619-544-5352 or email [infocorp@solarturbines.com](mailto:infocorp@solarturbines.com).

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