Performance Upgrades

Turbine technology keeps improving. By applying the latest advances, we can help your existing Solar turbomachinery stay up-to-date and meet new performance requirements.

Primary Goals	
●	Machinery Efficiency
●	Life Extension
●	Optimize Productivity
●	Reliability Enhancement

Growth in worldwide energy demands continues, and with it comes the challenge to be more productive. A power uprate of your *Solar*® gas turbine can enhance not only its performance, reliability and maintainability, but also improve its durability, safety and environmental compliance. Uprating during overhaul can boost your power by as much as 20%. It can also increase efficiency by 5%, lowering fuel consumption. It all adds up to higher production and more dollars to your bottom line.

Greater Productivity Means More Revenue

Obtaining higher production from your *Solar* turbomachinery can result in greater profit. However, it also requires more output power. A power uprate can help you achieve that boost while remaining within the same physical footprint, improving efficiency and durability—all at a cost significantly lower than purchasing additional equipment.

Benefits

The benefits derived from a power uprate include:

- **Time savings**—when carried out during overhaul, uprating adds no significant time to the overhaul process.
- **Lower cost**—uprating your existing *Solar* gas turbine can be less costly than upgrading to a larger unit, plus, your uprated turbine fits within the same skid configuration so there's no need for new construction or enclosure modifications.
- **Greater efficiency**—with state-of-the-art technology, such as improvements in materials, aerodynamics, and engine controls. Your specific fuel consumption can be reduced while achieving higher horsepower.

Exchange Program Equals Increased Production

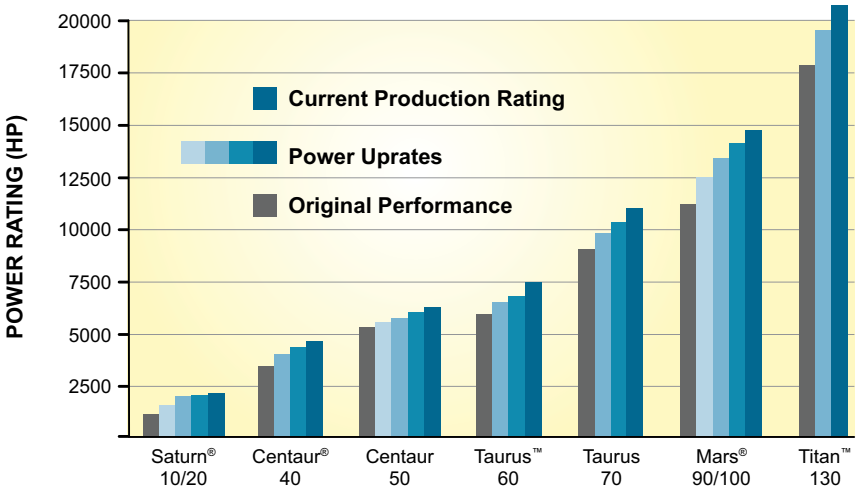
Downtime means lost production. Solar's Engine Exchange program is designed to minimize downtime by delivering a completely overhauled *Solar* gas turbine to your site. Now, instead of waiting weeks to have your original *Solar* gas turbine rebuilt, an exchange engine can be sent out at the same or higher rating or with a *SoLoNOx*™ conversion to minimize interuption to production. (The Exchange Program requires your usable core.)

Dry Low-Emissions System Conversion

By converting to Solar's *SoLoNOx* dry, low-emissions combustion system during overhaul, you can reduce NOx and CO emissions at your site, giving you more permitting options while helping improve local air quality

Additional Information

For more information about Performance Upgrades, contact Solar's Field Office nearest you or visit us at www.solarturbines.com



Your Solar gas turbine can be economically uprated at overhaul to provide more power to help you keep up with present demand and future growth.