

# Turbomachinery

INTERNATIONAL

*Covering the selection, operation, maintenance and overhaul of rotating equipment*



**New Gas Turbines Abound!**

- Solar Introduces The Titan 130 • ABB Rolls Out The New GTX100
- AlliedSignal Unveils the ASE120 • Progress Report on Mitsubishi's 501G

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At ASME Turbo Expo '97, AlliedSignal Engines will announce the ASE120, an aeroderivative gas turbine intended for mechanical drive, power generation and marine applications.

by Thomas Barker, Editor

**20 Solar Evolves Titan 130**

Solar Turbines' Titan 130 is the most powerful engine in its mechanical-drive gas turbine line. The engine's design is an evolution of proven features from the Taurus and Mars families.

**22 ABB Stal Launches GTX100 at 43 MW with Dual Fuel DLE Capability**

ABB STAL has introduced GTX100X. It has a 43 MW initial rating, and is equipped with a dual fuel version of the EV dry low emissions burner.

**25 SC Blades: the Time is Now**

Don Frasier, manager of Allison's Single Crystal Operations, reveals his plans for a new company to cast single-crystal turbine blades more quickly and less expensively.

by Diane Raflø-Andrews, U.S. Correspondent

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**33 9F Solutions Examined**

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by Eric Jeffs, European Editor

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by Henry Stein, U.S. Editor

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**54 ABB Set up GT8 Production Line in Poland**

ABB transformed a Polish engineering company into a third European manufacturing center. With ISO 9000 certification, it partners existing factories in Germany and Switzerland in the company's global manufacturing program.

by Eric Jeffs, European Editor

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*On the cover: In keeping with our theme of abundant gas turbine power, why not show Westing-house's successful 501F gas turbine, with all of its 167 MW of power! Nearly thirty 501F units are installed or on order worldwide. The unit shown here is destined for the ULSAN project in South Korea.*