

# Solar Turbines

A Caterpillar Company

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## **Bernhard Winkelmann**

Director, Technology & New Product Initiatives

BERNHARD WINKELMANN is Director of Technology and Gas Turbine Product Development at Solar Turbines Incorporated. Over the last 30 years Mr. Winkelmann has served in leadership roles for strategic business initiatives within the Oil & Gas and Customer Services organizations. He has led large research and development, engineering, sales, manufacturing, and testing organizations of various Turbomachinery products.

His high involvement and many years of experience have made him a notable contributor to the industry. Currently, Mr. Winkelmann is the Executive Sponsor for the Solar Turbines – Penn State University Center of Excellence for Gas Turbine Research in the fields of combustion, heat transfer, compressor and turbine aerodynamics as well as additive manufacturing. He also serves on the board of directors of the Gas Machinery Research Council and the committee on Advanced Technologies for Gas Turbines for the National Academy of Sciences of the US.

Prior to joining Solar Turbines Mr. Winkelmann was the Regional Sales Manager for the Middle East at European Gas Turbines and Program Manager for new technologies in compressors at MAN in Germany.

Mr. Winkelmann published a significant amount of papers at ASME conferences as well as at the Turbo Machinery Symposium in Houston.

Mr. Winkelmann earned his Engineering degree (Diplom Ing) in Mechanical Engineering, Turbomachinery Design from the University of Applied Sciences in Bochum, Germany.