

Siemens and Zolo Technologies expand joint activities into a strategic global cooperation

Siemens Energy and the US-based company Zolo Technologies have expanded their previous collaboration to a worldwide license agreement for fossil-fueled steam generation boiler applications. Under the terms of the agreement, Siemens and Zolo will more closely integrate their combustion optimization products and actively extend their market activities beyond Europe into the USA, China and other fossil markets in Asia.

Zolo Technologies is based in Boulder, Colorado, and has developed ZoloBOSS™, a unique laser-based combustion monitoring system that Siemens has integrated into its SPPA-P3000 Process Optimization solution for fossil-fueled steam generating power plants. ZoloBOSS uses sophisticated laser technology to simultaneously measure multiple combustion constituents directly in the combustion zone of a boiler.

The full integration of the ZoloBOSS monitoring system and SPPA-P3000 provides fossil-fueled power plants with information and furnace control previously unattainable. This unique solution is only offered through Siemens. It is the only combustion optimizer solution that utilizes real-time, in-furnace combustion information to automatically balance and optimize combustion. As a result, it can significantly improve combustion efficiency, reduce NOx and CO2 emissions and improve availability and thermal performance. The combined Zolo and Siemens solution has proven its outstanding capabilities to improve the power generation process in various coal-fired power plants in Europe, USA and China.

Optimizing the combustion process in a power plant is very challenging with variability in fuel quality and loads. SPPA-P3000 is a software-oriented approach by Siemens and can be implemented during minor outages and without costly capital

modifications to the plant, i.e. without major conversions to the steam generator and turbine. Plant operators worldwide are utilizing the strong capabilities of SPPA-P3000 to optimize their power plant process towards changing market situations or requirements.

“We are happy to extend our successful collaboration with Zolo Technologies. By combining both Siemens and Zolo Technologies our customers will benefit from improved efficiency, reduced emissions and higher availability as well as from a huge savings potential for their power plants,” said Dieter Fluck, Vice President Product Management Instrumentation & Electrical at Siemens Energy.

“Siemens has a strong global presence in the power market. We are excited to expand our collaboration with Siemens into new geographic markets and expect this new agreement will accelerate the penetration of the SPPA-P3000 and ZoloBOSS solution into the marketplace”, said Reed Sarver, CEO of Zolo Technologies.

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This press release is available at <http://www.siemens.com/press/pi/EP201402024e>

For further information on Siemens Power & Process Automation PPA-P3000, please see <http://www.siemens.com/energy/SPPA>

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Privately-held Zolo Technologies, Inc. is the global leader in laser-based monitoring systems for ultra-harsh combustion environments. Zolo simultaneously measures multiple combustion constituents directly in the combustion area to provide information to balance combustion, improve efficiency and reduce harmful emissions from large combustion sources. The ZoloBOSS product line serves fossil-fired steam power generation and the ZoloSCAN product line serves steel, chemical and refinery combustion applications.

Further information is available at: www.ZoloTech.com.