PRESS RELEASE
Leipzig, May 10, 2013

INTRODUCING WAVELABS — THE FUTURE OF SOLAR SIMULATION

In a warehouse in Leipzig previously used to store engine parts, Dr. Torsten Brammer, Jörn Suthues and Dr. Thankmar Wagner are poised to cause a sensation in the sustainable energy community with their latest development: LED-based solar simulation. WAVELABS Solar Metrology Systems GmbH's SINUS-220 solar simulator provides exceptionally accurate artificial sunlight.

“Solar cell manufacturers need to prove that the transition to alternative energy is economically feasible. Consequently, measurement technology has an especially important role within the photovoltaic industry. The more precise the measurement, the more certain the return on investment becomes. For the manufacturer, for the customer, and for the energy revolution,” commented Dr. Torsten Brammer, managing partner at WAVELABS responsible for production and sales, explaining the start-up’s business model. Dr. Brammer founded WAVELABS together with his colleagues Jörn Suthues and Dr. Thankmar Wagner in October of 2011.

WAVELABS stands for next-generation solar simulation. And the next generation is different. The SINUS-220 is one of the best devices available for simulating natural sunlight. The device's LED technology enables nearly flawless solar cell efficiency measurement. Until now, xenon lamps were the standard light source for measuring solar cell performance. But they frequently deviated from standards by as much as 25%. The SINUS-220, however, exhibits a maximum deviation of only 2%. The 18-color LED-based light source is what makes this exceptional accuracy possible.

Jörn Suthues, the inventor of the SINUS-220 and head of product development at WAVELABS, is also a managing partner of the company. Together, Brammer and Suthues have over 30 years of combined experience in photovoltaics at renowned institutions and private enterprises including the Fraunhofer Institute for Solar Energy Systems, Sunfilm AG, and Q-Cells SE. The third partner in the trio, Dr. Thankmar Wagner, is responsible for providing council in legal, tax, and financial matters at WAVELABS. The three founders — experts in photovoltaics and commerce — have combined their extensive skills to get their new careers as entrepreneurs off to a swift start. In addition to the headquarters in Leipzig, WAVELABS also has a branch office in Münster, where the company’s research and development department and administrative functions are housed. WAVELABS plans to extend its global reach with additional locations soon.

“WAVELABS represents a new, sustainable way of thinking and acting. And that's the first step to making a better world. The renewable energy sector carries a much greater responsibility now
than it did even just a decade ago,” Brammer explained, detailing the company's vision of a sustainable future.

So it comes as no surprise to learn that WAVELABS is also breaking new ground with respect to installation, maintenance, and potential applications for its new technology. Brammer: “We feel that technology should conform to people's needs, not the other way around. Each component of the user interface of our SINUS-220 is right where the user intuitively expects it to be.” That's why WAVELABS have combined ergonomic operation down to the very last detail with a design that exudes elegance.

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