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OPTIS unveils Light Simulation Software Aimed at Lighting Industry

SPEOS Lighting for SOLIDWORKS allows virtual prototyping for the lighting systems of tomorrow

Los Angeles—Jan 30, 2018 -OPTIS, the leading software vendor for scientific simulation of light, human vision and physically correct visualization, today announces it will debut its SPEOS solution dedicated to the lighting industry, SPEOS Lighting for SOLIDWORKS, at SOLIDWORKS World 2018.

This iteration of SPEOS, directly integrated into the leading CAD platform SOLIDWORKS, is a light simulation software based on the physical laws of optics that allows virtual prototyping of tomorrow's lighting systems. The technology will be available for demonstration at SOLIDWORKS World 2018, the largest gathering of manufacturing and engineering professionals, taking place Feb. 4 -7, 2018 at the Los Angeles Convention Center.

In addition to allowing for the virtual design of the future product and controlling and understanding the behavior of light, SPEOS Lighting for SOLIDWORKS also offers the ability to test and validate the ergonomics of the future product in virtual reality.

"Providing users of SPEOS Lighting for SOLIDWORKS with a virtual reality experience now allows us to address not only lighting manufacturers, but all trades, such as architecture and interior design, that use light to bring their projects to life," said Nicolas Orand, Product Manager at OPTIS.

The application of this new light simulation software across a variety of trades highlights a host of issues SPEOS Lighting is addressing for SOLIDWORKS – ranging from the design of light beams for a luminaire, to the design of a solar panel, to the simulation of intelligent sensors. OPTIS helps its customers lead tomorrow’s lighting market by providing the technology that allows them to innovate on topics such as adaptive and intelligent light, wireless communication as Li-Fi, solar energy or smart cities.

"OPTIS is committed to enabling the lighting industry to create tomorrow’s products today by avoiding the costly and time-consuming process of physical prototyping," said Jacques Delacour, CEO and Founder of OPTIS. "With SPEOS Lighting for SOLIDWORKS, we allow users to create innovations in lighting, such as connected and autonomous luminaires, green lighting or even lighting focused on humans - all compatible with virtual reality. "

In an effort to allow SPEOS users for SOLIDWORKS to explore more possibilities, the software is HPC-ready (High Performance Computing), meaning it is possible to obtain high-quality simulation results in a short time.

"Thanks to the HPC technology, it is possible to create multiple high-quality design and product validation scenarios at a faster rate," added Orand. "For example, a luminaire may be prototyped both on and off or illuminating in different colors. Above all though, it decreases time-to-market for these products."

Finally, SPEOS Lighting for SOLIDWORKS allows the calculation of the glare, and thus offers the possibility to control the intensity of lighting as well as the content of the future product. Users are easily able to validate performance and meet criteria and regulations without physical prototypes or physical measurements.

SPEOS Lighting for SOLIDWORKS will be available for demonstration at Booth 222. To schedule a demo with the OPTIS team, please contact OPTIS’s public relations representative Amber Richards at arichards@uproarpr.com.

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ABOUT OPTIS

OPTIS, the virtual prototyping company, brings life and emotion to all industrial projects. Its world-leading solutions pave the way for a revolutionary design process: towards zero physical prototype. Since 1989, OPTIS offers its know-how in light and human vision simulation into famous CAD/CAM software and dedicated virtual immersive solutions. This synergy creates true-to-life virtual mockups which are used as real decision-making tools. Today, more than 2500 clients in over 50 countries already trust OPTIS and innovate day after day with its solutions to ensure the look and safety of their designs, reduce their ecological footprint and bring their future products faster on the market. for more information about OPTIS, please visit www.optis-world.com.