

## **LILKER DESIGNS SYSTEMS FOR LONG ISLAND'S FIRST LEED-CI CERTIFIED BUILDING**

Unique Building Gets Green Interior Facelift

**MELVILLE, NY, October 26**—A plaque ceremony and facility walk-through was held on September 29 at the Leviton Manufacturing Co. headquarters in Melville, NY, to commemorate the first building on Long Island to receive the U.S. Green Building Council's (USGBC) LEED for Commercial Interiors certification. Shown at right are Leviton Chairman Stephen Sokolow, Lilker LEED AP Louis Licameli, Lilker Principal Philip Yee and Leviton President and CEO Donald Hendler. Lilker Associates provided engineering design and LEED services for the energy efficient upgrades to this 140,000 square-foot, four-story building, which was recently named Top Project of the Month by the *New York Real Estate Journal*.

To complete the facility renovation, Lilker worked closely with Leviton leadership and Long Island team members TPG Architecture; Apollo HVAC, mechanical contractors; Horizon engineering, commissioning agents; and The Marcus Organization, general contractors. The team transformed the existing building into a structure that meets USGBC's stringent



requirements for office interiors. This includes reduced energy consumption, elimination of CFC refrigerants, cutting-edge digital control devices, water conservation measures, incorporation of low emitting materials, and use of recycled materials that account for 20 percent of the materials used.

“With completion of the first LEED-CI building on Long Island, Lilker continues to be in the forefront of sustainable design in the New York region,” says Bruce Lilker, P.E., President and CEO of Lilker Associates.

Working with Leviton's West Coast Lighting Design and Controls Division, the Lilker team achieved lighting conservation—reducing power requirements by 20 percent—through the design and use of state-of-the-art lighting systems. Several of the components were supplied by Leviton, the largest privately held manufacturer of wiring devices in the North America. Indirect lighting is used in the open areas and offices via high efficiency lamps and components

in conjunction with highly reflective ceiling tile that maximizes light transmittance and reflectivity. Leviton lighting controls, including its highly efficient light harvesting system, are used throughout the building along with motorized shades to control sun glare and heat gain.

To maximize overall operational efficiency, the new building management control system that regulates the new air conditioning distribution system in the tenant-occupied areas of the building has been interfaced to monitor and control existing base building system components as well.

An upgraded HVAC system enhances indoor air quality and meets LEED IAQ standards by employing a new multi-zoned, variable air volume air conditioning distribution system, motor drives and a Carbon dioxide monitoring system for controlling the delivery of outside ventilation air. In addition, 90 percent of the project's equipment and appliances are energy saving devices.

"Blending new technology with established engineering practices, we designed cost effective systems updates for the Leviton headquarters project that met or exceeded requisite requirements of energy conservation, indoor air quality and several of the minimum energy performance criteria for LEED-CI," notes Louis Licameli, LEED AP, of Lilker's Hicksville, Long Island, office."

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*Founded in 1985, [Lilker Associates](#) is an award-winning, 100-member MEP engineering and energy firm headquartered in Manhattan with offices on Long Island and in Falls Church, VA. Licensed in many states, the company provides services for new and renovated commercial, institutional and retail facilities as well as high-rise and luxury residential buildings. The firm has two wholly owned subsidiaries: Technology Solutions Group (TSG) serves IT cabling, audio visual and security design needs; Lilker EMO Energy Solutions provides comprehensive energy auditing, modeling, commissioning and LEED consultation services.*