New State-of–the-Art Electronics Laboratory and Science Research Objective at The College of New Jersey Powered by Lab-Volt Systems

The College of New Jersey (TCNJ) and their Smart Electric Power System Laboratory (SEPS), a recent recipient of the National Science Foundations' Major Research Initiative grant, is now fully operational and powered Lab-Volt Systems equipment.

Farmingdale, New Jersey (PRWEB) October 05, 2012 -- Funded by the National Science Foundation, the Smart Electric Power System (SEPS) Laboratory at The College of New Jersey is now fully operational as an academic and research lab. The new laboratory's Lab-Volt equipment features advanced power engineering and renewable energy laboratory hardware thanks to NSF's Major Research Instrumentation (MRI) initiative which recently granted TCNJ. The laboratory, under the direction of Dr. Anthony Deese, will physically emulate the structure and behavior of an electric power system, like that operated by PSEG and PECO.

Composed of "scaled" three-phase AC power supplies, transformers, transmission lines, and synchronous as well as induction machines, the academic research lab will allow TCNJ students and researchers the unique ability to manipulate the parameters and topology of a physical power system as well as observe the effect of their actions. This hardware, in addition to components associated with a "traditional" power system, will provide TCNJ students and researchers with access to emerging "smart grid" technologies including photovoltaic cells, wind turbines, NiMH battery storage, solid-state power electronic converters, and embedded data acquisition/actuation capability.

Lab-Volt, makers of the largest selection of hands-on technical training systemsavailable to train technicians, engineers and researchers of the future, can meet the demands of many electronics labs or research objectives. The electromechanical systems' custom configuration provides the ability to teach a vast range of information and technological skills required for the power electronics laboratory.

About Lab-Volt
Lab-Volt is a global leader in the design and manufacture of hands-on training laboratories for public education, industry and the military. With corporate headquarters in Farmingdale, NJ, Lab-Volt is recognized as a world leader for high-quality, cost-effective instructional systems that integrate the latest technological advances with sound pedagogical practice, offering comprehensive, multimedia-rich, e-learning, blended learning, and custom learning solutions, as well as extensive, cutting-edge, hands-on and simulation training curriculum.

Contact Information
Dianne Caruso
Lab-Volt Systems
(732) 938-2000

Online Web 2.0 Version
You can read the online version of this press release here.