



East Penn Manufacturing Co.
P.O. Box 147, Deka Road, Lyon Station, PA 19536-0147
Phone: 610.682.6361, Fax: 610.682.4781

www.dekabatteries.com

PRESS RELEASE

Release Date: 10/15/2018

East Penn's Deka UltraBattery® provides Lead-Based Energy Storage Solution to Raytheon Company's Microgrid System to Help Power Otis Air National Guard Base

East Penn Manufacturing's wholly-owned subsidiary Ecoult is supplying energy storage technology to Raytheon for use in a new Microgrid project. This project, along with other future developments, has the potential to significantly enhance our Nation's energy security with sustainable backup power systems. While this critical service is being provided, the system targets a 5-year simple payback by providing additional services to the Electric Grid.

The Microgrid is being used by the U.S. Department of Defense at the Otis Air National Guard Base on Cape Cod. The Base will rely on the Microgrid to provide reliable and secure power to its critical military infrastructure. A 1.6 MW/1.2 MWh Ecoult energy storage system, which uses Deka UltraBattery advanced lead battery technology, will be connected to an existing 1.5 MW wind turbine and a 1.6 MW diesel generator.

This will be the first wind-powered Microgrid in the US Department of Defense and the the first US Military Facility cyber-secure connection to an Independent System Operator allowing returning revenue with the target of a 5-year simple payback.

John Wood, Ecoult CEO, said, "We're excited to have had the opportunity to work for Raytheon on this project and to support them in the supply of their Microgrid solution. Our team has had the invaluable opportunity to work alongside the OTIS base personnel, Raytheon, and organizations like MIT Lincoln labs and the US National Renewable Laboratory. The UltraBattery was invented inside CSIRO (Commonwealth Scientific and Industrial Research Organisation)."

An Integrated Power and Energy Management Controller (IPEM) provided by Raytheon coordinates the supply of electricity from local Microgrid assets like wind, solar, battery storage or generators, and matches it with building loads. The Otis Air National Guard Base system will support the military base with continuous microgrid backup power in the case of grid failure, through a combination of high penetration wind, energy storage, and minimal use of diesel generators.

East Penn is a leading American manufacturer of high quality lead batteries and accessories for the automotive, commercial, marine, motive power, UPS and telecommunication markets. The company's quality and environmental systems for its entire 520-acre complex have been certified to ISO 9001:2008, ISO/TS 16949:2009, and ISO 14001:2004 requirements. For more information, contact East Penn Manufacturing Co., Lyon Station, PA 19536 or visit the company website at www.eastpennmanufacturing.com.

Ecoult's storage solutions manage intermittencies, smooth power and shift energy in a safe, reliable and environmentally sound way – the energy storage of choice for grid ancillary services, wind and solar farms, remote microgrids, dual purpose and diesel microgrid efficiency applications. Ecoult is a wholly-owned subsidiary of East Penn Manufacturing Co. For more information visit www.ecoult.com.

For more information:

Contact Donna Snyder (dsnyder@dekabatteries.com)

Manufacturer of  **Deka** Batteries & Accessories



Featured is the Battery Energy Storage System yard for the Microgrid that supports the critical power functions of the Otis Air National Guard Base. East Penn and Ecoult are proud to have a role in this important use of its battery and battery system technology.