

Enhancing Smart Grids: Lockheed Martin And Dominion Introduce New Grid Location Technology

SAN DIEGO, Feb. 5, 2015 /PRNewswire/ -- Lockheed Martin (NYSE: LMT) and Dominion Resources, Inc. have co-developed a new smart grid technology called VirtuGrid, which will enable remote detection of power outages for faster mapping and response. This collaboration between the two companies brings together Lockheed Martin's trusted expertise in technology and Dominion's experience in distribution engineering.

VirtuGrid enables data, including voltage, power, energy readings, GPS location, phase and circuit connectivity, to be sent from the remote location to the substation over the same path as the power. VirtuGrid facilitates control and timing of remote communications with multiple types of communication networks with very low bandwidth usage.

"VirtuGrid will help utilities map the connectivity of the electrical distribution grid," said Roger Flanagan, director of energy services for Lockheed Martin's Information Systems and Global Solutions business. "We're fortunate to be able to work with Dominion to create this new product that will benefit utilities and optimize for greater efficiencies."

"We are pleased to partner with Lockheed Martin in bringing this new technology to market," said Mary Doswell, Dominion's senior vice president of Alternative Energy Solutions. "VirtuGrid will benefit both utilities and energy consumers by providing much more precise information about where and how energy is being used across the grid."

Lockheed Martin and Dominion introduced VirtuGrid at DistribuTECH this week in San Diego. DistribuTECH is the largest U.S. event that covers the utility industry, with 10,000 attendees and more than 480 exhibitors.

Lockheed Martin provides energy management, smart grid, engineering and cybersecurity solutions to utility and commercial customers, including eight of the top ten largest utilities in the United States. Today, Lockheed Martin is partnering with customers and investing talent in clean, secure and smart energy – enabling global security, a strong economic future and climate protection for future generations.

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 112,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The Corporation's net sales for 2014 were \$45.6 billion.

About Dominion

Dominion (NYSE:D) is one of the nation's largest producers and transporters of energy, with a portfolio of approximately 24,600 megawatts of generation, 12,400 miles of natural gas transmission, gathering and storage pipeline, and 6,455 miles of electric transmission lines. Dominion operates one of the nation's largest natural gas storage systems with 949 billion cubic feet of storage capacity and serves utility and retail energy customers in 12 states. For more information about Dominion, visit the company's website at www.dom.com.

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