

New grid location technology enables remote detection of power outages

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Lockheed Martin 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.

Provided by Lockheed Martin

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