



Petra Solar launches its new IntelliView smart energy platform

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Petra Solar has launched its IntelliView smart energy platform. IntelliView provides utilities with a suite of services to manage a wide range of smart grid applications. "IntelliView uniquely combines smart grid network infrastructure management with renewable energy management services for our worldwide utility partners," said Dr. Shihab Kuran, president and CEO of Petra Solar. "The robust platform is scalable to future smart grid applications, including energy efficiency, energy conservation, grid reliability and smart microgrids."

The IntelliView smart energy platform provides critical analysis of smart grid application data to enable remote command and control of large distributed energy systems. With the Network Management System (NMS) as a foundation module, users have a dashboard view of all elements of the communications network. Alerts, performance summaries, and mesh networking diagnostics are provided for problem identification and resolution on an exception basis.

The Energy Management System (EMS) module of IntelliView enables a centralized view of a virtual power plant consisting of a large installed base of SunWave smart solar systems distributed over a broad geographical area. The user can perform essential analysis required for ensuring peak generation and maximizing their investment. IntelliView's modular design creates the platform for additional data-analytics modules, coupling critical network management with smart energy applications.

The Petra Solar Network Operations Center (NOC) also expands its smart energy services offering from support of SunWave smart solar systems to the option for full remote 24/7 operations of Petra Solar designed smart grid networks. Utilities can leverage the expertise of the Petra Solar highly trained technical staff to be the first line of defense in managing, monitoring and troubleshooting the system. This model allows utilities to focus on other key functions of their operations, while deriving full benefits from their investment in the Petra Solar designed smart grid system.

Petra Solar, founded in 2006 by Dr. Kuran, has pioneered new technology that combines distributed solar energy generation with Smart Grid communications and improved grid reliability features to create a utility grade solution that delivers the highest economic value for solar power. Petra Solar's innovative SunWave system provides distributed clean energy that ties directly into the electric grid, and does not require an upgrade to either the current transmission or distribution infrastructure, eliminating grid interconnection issues faced by traditional solar systems. One of the key advantages of the Petra Solar solution is its flexible grid integration architecture that enables installation on existing assets that can hold one or more solar modules such as utility and streetlight poles, rooftops, and other available structures. In addition, the SunWave distributed solar and Smart Grid technology prevents instabilities caused by intermittent renewable energy sources, which enables utilities to maintain high power quality for electric customers as solar deployment growth accelerates. Petra Solar's success is the culmination of more than 18 years of research and

development. For more information about Petra Solar visit www.petrasolar.com.

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