



# Emerson Solar Power Generation Solutions

How can Emerson help with renewable generation?

Efficiently control and integrate your renewable generation assets. Countries around the world are developing renewable resources to diversify generation sources and help reduce emissions. From wind and solar to hydro and geothermal, Emerson provides solutions that enable power generators to operate these plants at peak performance.

What are Emerson's sustainable grid solutions?

Emerson's Sustainable Grid Solutions transform unpredictable renewable energy into predictable, reliable power. With real-time demand forecasting, operational visibility and analytics, decision-making becomes easier and more precise.

How does Emerson help the power industry?

Countries around the world are developing renewable resources to diversify generation sources and help reduce emissions. From wind and solar to hydro and geothermal, Emerson provides solutions that enable power generators to operate these plants at peak performance. Digital Transformation in the Power Industry.

What can Emerson do for You?

From wind and solar to hydro and geothermal, Emerson provides solutions that enable power generators to operate these plants at peak performance. Digital Transformation in the Power Industry. Balancing Natural Gas and Renewable Sources.

Why are power producers turning to Emerson?

As a power producer, you're facing dynamic times. Renewables, plant cycling, regulatory compliance and an evolving workforce are all making it more difficult for you to achieve your business objectives. It's because of these challenges that more and more power producers are turning to Emerson.

The Ovation Distributed Control System is purposely designed for the power generation and water/wastewater industries. Overview; ... Solar plant SCADA systems that support grid stability and operational flexibility at any type of solar plant. ... vice president of renewable energy technologies for Emerson's power and water solutions...

Emerson's Sustainable Grid Solutions transform unpredictable renewable energy into predictable, reliable power through real-time demand forecasting, operational visibility and analytics, ...

In this North American Clean Energy article, Brett Benson, director of global renewable solutions marketing for Emerson's power and water business, explains the strategy regulated and independent power producers have been exploring - solar photovoltaic (PV) generation - in response to the increasing demand for clean



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electricity.

PITTSBURGH (Feb. 2, 2023) - Emerson has combined its comprehensive power expertise and renewable energy capabilities into the Ovation(TM) Green portfolio to help power generation companies meet ...

Emerson has over two decades of experience providing automation solutions to customers with concentrated solar power (CSP) parabolic trough plants. The Ovation Green SCADA platform is a fully integrated automation solution that properly operates, connects and regulates the plant.

Countries around the world are developing renewable resources to diversify generation sources and help reduce emissions. From wind and solar to hydro and geothermal, Emerson provides solutions that enable power generators to operate these plants at peak performance.

Adding Emerson's fully integrated ICS cyber security, power industry expertise and services enables a tightly integrated and reliable PV monitoring and control solution with an adaptable lifecycle management plan.

March 14, 2023 - Global technology and software leader Emerson will provide advanced automation solutions to help ensure the safety and reliability of New Zealand's first large-scale solar photovoltaic (PV) power project. Emerson's renewable power generation expertise will help solar energy company Lodestone Energy quickly and safely ...

Thomas Andersen, vice president of renewable energy technologies for Emerson's power and water solutions business, shares his expertise on how to better manage wind-energy generation in his article in Wind Systems magazine. Turbine control retrofits and green-energy solutions platforms are transforming the way operations teams manage wind-energy generation.

Discover how you can work with Emerson to overcome some of your biggest challenges in commercial power generation. ... Emerson's Sustainable Grid Solutions transform unpredictable renewable energy into predictable, reliable ...

The Ovation(TM) power plant controller (PPC) is designed to optimize energy production, enhance efficiency, and maintain grid stability. Utilized across solar farms the controller integrates real-time monitoring, automated adjustments, and predictive analytics to better manage power output, and lower the operational costs of your solar plant.

Emerson Solar Photovoltaic Solutions. Ovation: One Platform Delivering Optimized PV Power Generation Specifically designed for the power generation industry, the Ovation automation system is expertly configured to address the numerous challenges facing PV asset managers and operators. Leveraging Emerson's broad portfolio



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Emerson has leveraged decades of experience in power generation to develop a full suite of advanced pattern recognition and machine learning technologies for remote monitoring and control. Our new Ovation analytic software and intelligence framework leverages AspenTech's Mtell<sup>®</sup> software and machine learning engines to auto-learn normal and abnormal operations ...

One of the most exciting things about the rise of solar energy as a viable technology has been witnessing just how quickly solar operations around the globe have grown in scale. ... and flexible final control products for ...

Emerson's Sustainable Grid Solutions transform unpredictable renewable energy into predictable, reliable power. With real-time demand forecasting, operational visibility and analytics, decision ...

By uniting the recently acquired Mita-Teknik software and technology with its own industry-leading Ovation automation platform, deep renewable energy knowledge base, ...

A power plant controller and a SCADA (Supervisory Control and Data Acquisition) system serve distinct yet complementary roles in managing and optimizing the operations of solar power plants, but they differ in their specific functions, scope, and complexity. The PPC is designed for real-time control and optimization of the power generation process.

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Countries around the world are developing renewable resources to diversify generation sources and help reduce emissions. From wind and solar to hydro and geothermal, Emerson provides solutions that enable power generators to ...

Emerson's Ovation(TM) technology for PV power generation provides an integrated, scalable control solution to maximize kWh output and profitability while contributing to utility-grid and/or ...

Authors: Tom Snowden, Greg Schirm Photovoltaic power stations (or solar parks) have traditionally used PLCs as their preferred control devices. Size, ruggedness, and cost are often cited as reasons for using PLCs. With the release of the Ovation Compact Controller, Emerson is merging the scalability of PLCs with the power of the Ovation distributed control [...]

I recently spoke with Rick Kephart, vice president of technology for Emerson's power and water solutions, ... Smart grid extensions provide the ability to create a digital replica of distributed renewable ...

PITTSBURGH (Feb. 2, 2023) - Emerson has combined its comprehensive power expertise and renewable energy capabilities into the Ovation(TM) Green portfolio to help power generation ...



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Unique renewable energy project will support the national effort to decarbonize New Zealand's energy sector  
AUSTIN, Texas (March 14, 2023) - Global technology and software leader Emerson (NYSE: EMR) will provide advanced automation solutions to help ensure the safety and reliability of New Zealand's first large-scale solar photovoltaic (PV) power project.

Expanded solutions for wind: Although Emerson has been involved in the renewables space for quite some time, our recent acquisition of Mita-Teknik, a leader in wind turbine controls, has translated into broader and ...

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