

Advanced Energy Transforms Indoor Farming With Intelligent New Lighting Power and Control System

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Innovative technology breaks down barriers to indoor, vertical and greenhouse farming by reducing power consumption, cutting costs and increasing crop yield

DENVER--(BUSINESS WIRE)-- Advanced Energy (Nasdaq: AEIS) – a global leader in highly engineered, precision power conversion, measurement, and control solutions – today unveiled its newest lighting and power control system for indoor, vertical and greenhouse farming.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20201211005039/en/>



Advanced Energy's new Artesyn iTS provides the industry's first solution for switching or sharing a single power source between two different rooms. This reduces installation costs by cutting the number of iHP power supplies needed in half and it substantially reduces ongoing utility costs. (Photo: Business Wire)

AE's new lighting and power system transforms the use of LED technology in horticultural lighting systems, which plays

a fundamental role in cutting-edge farming practices that can address production challenges in food, pharmaceutical ingredients, plants and flowers. Utilizing AE's system, customers reduce their power conversion costs by as much as 50 percent, significantly lower installation and operating costs, and increase the quality of crop yield.

“Our groundbreaking lighting, power and control system delivers significant improvements over conventional lighting solutions and opens up new opportunities for the industry,” said Joe Voyles, vice president, industrial marketing, at Advanced Energy. “We are transforming our customers’ operations by both reducing the amount of needed equipment and improving the efficiency of the lighting systems, thereby reducing cost and energy spend. Not only do these innovative new products increase the efficiency and quality of fruit and vegetable production, but they also open the door to establishing indoor farming facilities in harsh environments anywhere in the world.”

The new system consists of the patented Artesyn iTS™ (intelligent Transfer Switch) and iHPS™ configurable power supply. Alongside Artesyn's compact new 12 kW 300 VDC module, AE delivers a cost-effective platform for the most advanced indoor farming applications. The system is estimated to produce a 38 percent savings to lighting power and control installation cost, while eliminating substantial amounts of wasted energy.

The new iHPS is a “short” version of AE's market-leading iHP power supply. The shorter design allows for more space within the lighting and power cabinet for other crucial components, reduces the weight and cost, and increases the life of the system. The new iTS provides the industry's first solution for switching or sharing a single power source between two different rooms. This reduces installation costs by cutting the number of iHP power supplies needed in half and it substantially reduces ongoing utility costs.

For detailed product information and technical specifications, visit the [iHP](#) product web page and the [iTS](#) product web page.

To learn more about the advantages of Advanced Energy's Lighting Power and Control System for indoor , download the [white paper](#).

About Advanced Energy

Advanced Energy (Nasdaq: AEIS) is a global leader in the design and manufacturing of highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes. AE's power solutions enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing and healthcare. With engineering know-how and responsive service and support around the globe, the company builds collaborative partnerships to meet technology advances, propel growth for its customers and innovate the future of power. Advanced Energy has devoted more than three decades to perfecting power for its global customers and is headquartered in Denver, Colorado, USA. For more information, visit www.advancedenergy.com.

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