

## CASE STUDY

# MERIDIAN CENTER BUSINESS PARK NEW JERSEY, USA

## OVERVIEW:

This unique project, comprised of 25 separate “mini-systems”, has been installed on four adjacent buildings in the Meridian Center Business Park.

**LOCATION**

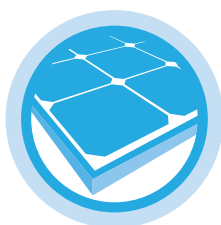
Eatontown, New Jersey

**TYPE**

Roof-mounted

**SIZE**

728kW

**PRODUCT**

ALLMAX

**# OF MODULES**

3,119

**COMPLETION DATE**

October 2010

## BACKGROUND

The project began in 2009 because of energy consumption that year. The rates were so high that the building complex tried to become more efficient. They changed the lighting and HVAC systems, and are now one of the more energy efficiency business parks in the state. Initially, they believed that a solar system would be too expensive. But upon analysis, the principals realized that the energy cost-savings, along with federal and state incentives, made the system installation a great investment. Since then, the business park has spun off a PPA company that is involved in an additional 5MW of projects.

## THE PROJECT

This unique project, comprised of 25 separate “mini-systems”, has been installed on four adjacent buildings in the Meridian Center Business Park in Eatontown, New Jersey. It is currently the largest solar system in Monmouth County. The project saves the equivalent of 1,386 barrels of oil annually. Over thirty people were employed during the time of the installation.

With the success of the project, the owners of the Meridian Center Business Park have since spun off their own energy consulting firm, Anova Energy Solutions. Anova already has a solar project development pipeline for projects of up to 2.4MW in capacity, having developed more than 1.1MW in New Jersey last year. The consultancy closed its first MSP renewable energy private equity fund in 2010 and has recently opened a larger fund, MSP II. Anova anticipates that 2011 will provide property owners with good opportunities to maximize returns for their solar PV investment.

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### ENVIRONMENTAL AND COST BENEFITS

The total Emissions Savings are: Carbon Dioxide (CO<sub>2</sub>) 1,314,300 lbs/year Sulfur Dioxide (SO<sub>2</sub>) 5,933 lbs/year Nitrogen Dioxide (NO<sub>2</sub>) 1,950 lbs/year. That is equal to: Car Travel: 67,000 gallons of gasoline Planted Trees: 127 acres of pine forest preserved Barrels of Oil: 1,386 barrels of oil conserved.

Cost Savings: The system is saving about \$120,000/year in energy bills, accounting for nearly 50% of the complex's energy use. (this would be the total actual savings, which is shared between the system owner and the customer).

