

BUSINESS ENERGY SOLUTIONS

ENERGY EFFICIENCY CASE STUDY:

New England Airfoil Products

Farmington, CT



New England Airfoils Products, Inc. (NEAP) was founded in 1955 by George Einstein, the nephew of Albert Einstein, and has deep roots in the American aerospace industry. The company has built its reputation on technology innovation, and provides large volume gas turbine products for air, sea and land.

Results Summary

- More than \$50,000 in annual energy savings
- 600 million kilowatt-hours saved over the anticipated lifespan of the new equipment, LED lighting and controls
- NEAP added more than 125 full-time employees and took on new assignments over the past three years.

Annual energy savings and environmental benefits are equivalent to:

- 470 tons of carbon dioxide emissions avoided
- 90 cars taken off the road for a year

"What we spend on energy is critical to our success and competitiveness. That's why if there's an energy project that will support our growth, we've considered it - and have likely completed it. Our ongoing partnership with the State of Connecticut and Ever-source is helping us keep operating costs down and optimize our capital investment. We're proud of the progress we've made and are fortunate we have access to partners who are invested in our success."

- Clive Cunliffe, North American President of Pietro Rosa

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The Challenge

Purchased in 2016 by Pietro Rosa TBM, a leading international manufacturer of compressor airfoils and mission-critical components, NEAP set out to update the machinery and equipment and expand the Farmington, CT, facility's production capacity to serve customers including the USAF and NASA.



The Eversource Solution:

The international manufacturer turned to Eversource for technical expertise. To date, NEAP has invested more than \$20 million in new manufacturing equipment, expanded its workforce and worked with Eversource on facility upgrades to enhance energy efficiency. Together, several new energy efficient improvements were introduced including:

- An energy-efficient LED lighting system that uses up to 75 percent less electricity and reduces operating and maintenance costs by nearly 80 percent.
- Specification and installation of a new air compressor with variable-frequency drives (VFDs) to regulate air handlers, exhaust heat and cut energy use by more than 35 percent, as compared to non-VFD models.

The savings from the completed projects has freed up capital and allowed NEAP to expand production capacity, invest in workforce development and fuel business growth.

For more information and ways to save, call 866-554-6025 or visit the Save Money & Energy section of [Eversource.com](https://www.eversource.com)

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