

Bennett Marine, a Division of Yamaha Marine Systems Company

Infrastructure Solutions



Integrating solar energy generation and mechanical upgrades optimized sustainability and the working environment.

CHALLENGE

Adding cooling capacity needed by a large warehouse, and the employees working there during the long Florida summers, could significantly increase the utility load on the building. Bennet Marine needed a solution that integrated solar energy generation and mechanical upgrades to optimize both sustainability and working environment outcomes.

“ABM was great to work with on multiple lighting upgrades in our facility. When we approached them with this idea we had, they were fast to respond and showed the most detailed and well-thought-out solution. It was an easy choice for us to proceed and we are extremely pleased with their communication and service.”

— John Keen
Energy Manager, Bennet Marine



SOLUTION

Having successfully completed two lighting upgrades on site, and acting as the current janitorial service provider, ABM took Bennet Marine's request to the Infrastructure Solutions team.

ABM's Infrastructure Solutions designed an energy-efficient HVAC system supported by a rooftop solar PV array that offset utility costs with renewable energy, leading to a net 58% reduction in total utility usage for the building. ABM also assisted in securing tax credits and energy incentives for the project, as well as a new roof for the facility with additional building envelope improvements.

Finding a Better Solution for the Client

"Service experts across our company worked together to solve a need and deliver the sustainability solution Bennett Marine needed," said Mark Hawkinson, president of ABM Technical Solutions. "ABM provides a consultative approach to help clients achieve sustainability goals, enable capital improvements, improve indoor air quality, address waste and inefficiency, and create a positive impact for communities."

In addition to the new roof, net energy offset, and improved cooling, ABM was able to assist the project in receiving an estimated \$226,000 in tax credits and \$224,000 in Energy Incentives through the Federal MACRS (Modified Accelerated Cost Recovery System).

BENEFITS

ABM's Infrastructure Solutions enable businesses to invest in critical infrastructure needs and achieve sustainability, security, and resiliency goals. A custom energy program drives costs out of operating budgets and redirects savings to critical needs, helping fund improvements.

Highlights of the project for the Deerfield, Florida warehouse include:

- Projected energy cost savings in the first year of \$12,701
- Replacement of aging roof and speed roll doors to reduce energy loss
- Solar panel installation capable of offsetting 66% of the building's utility use