

Case Study: Merchant Marine Academy Kings Point, New York



Innovative Energy Solutions



Located in Kings Point, New York, the United States Merchant Marine Academy has developed a leading energy efficiency and renewable energy program. Having already incorporated small-scale wind, solar, and fuel cell technology at the campus, the USMMA turned to TerraSolar to increase the amount of energy produced by solar power. The 10kW TerraSolar system integrates 40W solar modules in a recycled plastic mounting frame creating a simple, streamlined solar panel installation. The flat roof mount will require little maintenance and upkeep, does not penetrate the roof surface, will help to preserve the life of the roof, and allows walkways around the panels and access to the roof.

Location: Merchant Marine Academy
Kings Point, New York

Construction: Flat roof rack mounting system

Completion: November, 2003

Peak Capacity: 10kW

Product: TS proprietary flat roof mounting system using 40W a-Si modules

Captain Doug Brown has been a longtime supporter of renewables and intends to integrate the system into the curriculum at the Merchant Marine Academy. "TerraSolar was able to accommodate all our needs including walkway access for teaching and instructional purposes. The system design was economical, functional, and allowed us to integrate solar into our long-term energy and educational goals."

Made possible in part by funding from the Long Island Power Authority (LIPA) the system allows the Merchant Marine Academy to produce clean energy for the campus as well as provide a "real-life" classroom for students to study the benefits of green power.