



## Notice

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## Solar Success

### Installation Success Stories from Window Film Dealers Around the World

#### Bekaert Window Film – Conserves Energy

The increase attention paid to conserving energy and developing environmentally-friendly business tactics has brought social responsibility to the forefront for many companies – even those in the maritime industry.

As the leading international transport and travel service company and one of the largest ferry operators in the world, Stena Line wanted to maximize its fuel consumption and improve comfort for passengers and employees while significantly lowering its air conditioning use and the impact it had on the environment.

Lars-Erik Hellring, project manager for Stena Line's Energy Saving Project, collaborated with Bekaert in order to meet Stena Line's goals for achieving energy conservation in nine of the ships currently in its fleet. In the end, tests performed by Energy Consultants in Sweden showed that with the use of Bekaert window film Stena Line could achieve approximately 247,000 kWh/year less air conditioning use, which could equal about 15,321 U.S. gallons of fuel savings for one ship.

By applying its ground-breaking sputter-coating technologies, using gold, silver and various other alloys, Bekaert window film blocks 95% of infrared heat, offering strong protection against bothersome glare, uncomfortable heat, hotspots and uneven temperature fluctuations – improving climate and energy efficiency for Stena Line ships.



“As one of the largest ferry operators in the world, we realize that it is our social responsibility to do everything possible to protect the environment through energy conservation techniques,” commented **Lars-Erik Hellring, project manager for Energy Saving Project**. “One of the immediate and highly-efficient solutions to meet our needs was Bekaert window film, which has been successfully installed on the windows in nine of our ships. We are anticipating the rest of our fleet to be equipped in the coming months. According to tests by ECIS (Energy Consultants in Sweden), the measured surrounding air temperature decreases up to +6 degrees Celsius/42 degrees Fahrenheit in a cabin with Bekaert window film installed, compared to a similar cabin without film installed - depending on the weather conditions over the year. The result is approximately 247,000 kWh/year less air conditioning consumption, which could equal fuel savings of 58 m<sup>3</sup>/15,321 U.S. gallons for one ship.”

#### Installation Summary

Ferry Operator:	Stena Line
Location:	Nordic Region
Problem:	Excessive fuel use and hot spots
Solution:	Bekaert window film
Amount of Film Installed:	Approximately 31,000 square feet
Benefits Experienced:	Reduces energy and fuel use Eliminates hot spots – to ensure comfortable climate for employees and travelers