

**Retrofit of an Intake Screen for Antifouling Performance**

<b>Industry</b>	Cooling water
<b>Problem</b>	An island resort had a large water intake system for cooling water and as backup for a fire control system. These functions were essential but the water was full of all forms of aquatic life, including biofouling. The system had to be rapidly removable so that it was not destroyed during the annual hurricane season.
<b>Solution</b>	As one component of a custom designed intake solution, Cook Legacy used Jacquelyn™ Coating on wedgewire panels to exclude aquatic life while eliminating biofouling.
<b>Result</b>	The system eliminated biofouling on the screens and was easy to install and remove.

**Antifouling Intake Screens**

Warm, clear, water and a constant summer are a perfect scenario for a lovely vacation destination. They also create significant design challenges such as aggressive biofouling. Cook Legacy worked with a resort owner at an island resort to retrofit his existing intake system (an offshore strainer) with a new passive screen system.

Cook Legacy worked with the site owner to develop a custom flow modifier within the system to ensure consistent flow, and to make the screens so they could be easily installed and removed. To address biofouling concerns Cook Legacy coated the screens with Jacquelyn™ Coating.