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RSL Fiber Systems Challenge

Organization Overview

RSL Fiber Systems in East Hartford, Connecticut collaborated with the United States Navy to develop an exclusive, proprietary fiber optic illumination system called Remote Source Lighting, or RSL. This technology involves generating light in one location and transporting the light through fiber optic cable to another location up to 250 meters away. Applications include navigation, area illumination, security, and signaling lights. RSL Fiber Systems has also been involved in a number of innovative lighting projects to replace conventional lights with light emitting diodes for US Navy ships.

RSL Fiber Systems is the exclusive provider of RSL systems to the US Navy for ships such as the USS New York and other ships including the Navy's newest "stealth" destroyer class. Through RSL Fiber System's technology, the Navy has been able to lower maintenance costs, reduce system down time, increase ruggedness, and improve safety. Looking forward, RSL Fiber Systems will continue to provide advanced lighting technologies for the military and plans to introduce its products into commercial markets as well.