

PROJECT CASE STUDY

Almeric L. Christian Federal Building & Courthouse



ENVOCORE SOLUTIONS

- Performed a lighting audit and upgrade
- Use 100% LED lighting and control systems for courtrooms and offices
- More than 1,000 LED fixtures and lamps were installed
- All lighting controls were installed with additional relays for integration with a new building automation system

DRIVERS

- Need to upgrade outdated lighting system to deliver energy savings to help pay for other improvements
- On the island of St. Croix, the cost of power is extremely high

BY THE NUMBERS



60,000+
PROJECT
SQUARE FEET



189,000 KWH
REDUCED KWH
CONSUMPTION



1,000+
LED FIXTURES
WERE USED

PROJECT BACKGROUND

Due to the high cost of power on the island of St. Croix there was a tremendous amount of savings to be created by upgrading an outdated lighting system. The plan was to incorporate LED technology and networked controls for their courtrooms and offices. RTS, a division of Envocore, performed an audit of the entire building including exterior walkways, courtyard, and parking lots. RTS evaluated vast numbers of variables such as how the space will be used, amount of daylight, load potential, dimming, lamp color, initial cost, and cost to maintain moving forward.

ABOUT THE ALMERIC L. CHRISTIAN FEDERAL BUILDING & COURTHOUSE

Located on the island of St. Croix, in the US Virgin Islands. This building houses the US District Court of the Virgin Islands, US Marshall's Office, and the US 3rd District Court of Appeals Library.