ENVOCORE

RETRO-TECH SYSTEMS | RTS WATER | RTS ENVELOPE
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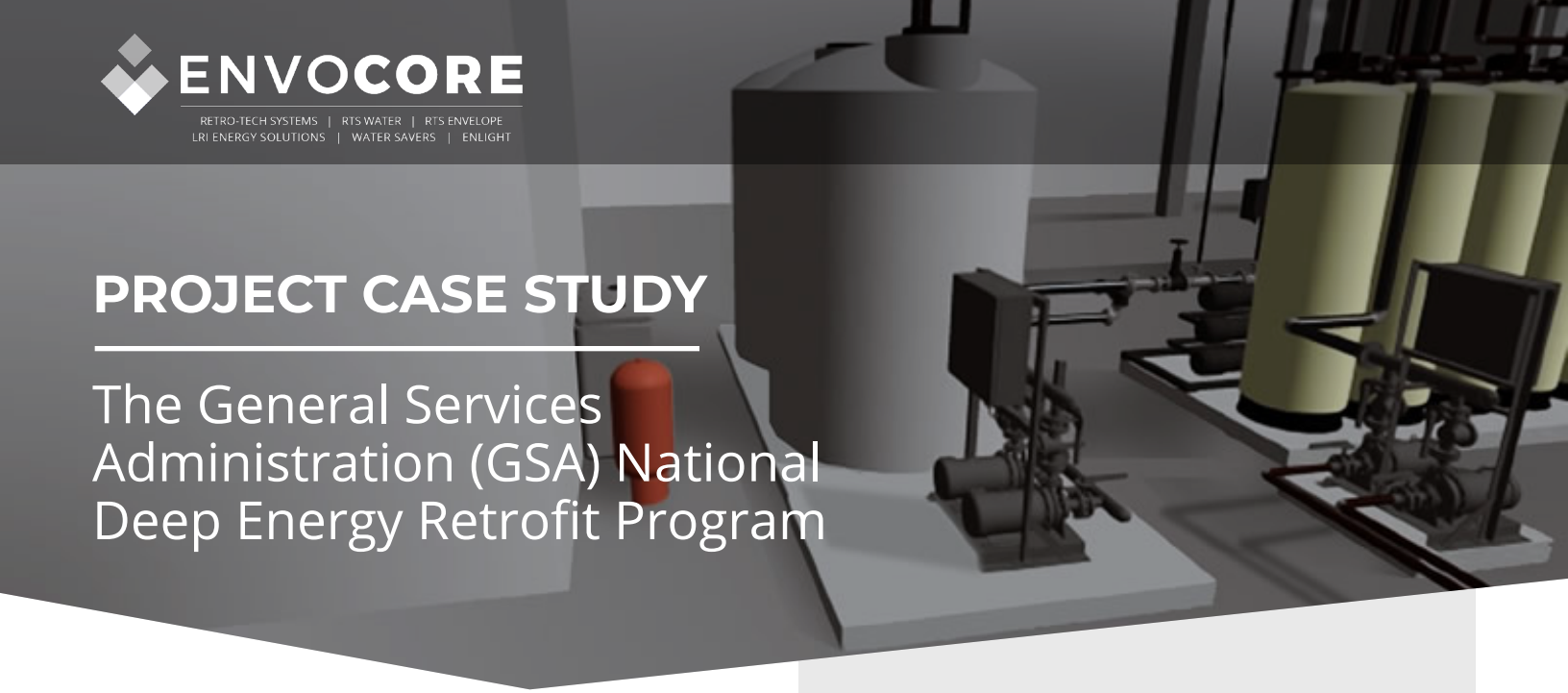

PROJECT CASE STUDY

The General Services Administration (GSA) National Deep Energy Retrofit Program

ENVOCORE SOLUTIONS

- Install higher efficient toilets and urinals, flow restrictors in the lavatory faucets, and water efficient shower heads
- The make-up meters on the cooling towers were replaced with sewer deduct meters
- The building had a constant flow of 20-30 gallons per minute of water in the ground water sumps. By capturing this water, the cooling tower make-up water can almost be solely from the reclaimed ground water
- A rainwater collection system was installed

DRIVERS

- Federal building was consuming 10,219,643 gallons of water annually at a cost of $158.394.

BY THE NUMBERS

78%
COST SAVINGS ANNUALLY

8,000,000
GALLONS SAVED ANNUALLY

$124,000
SAVED ANNUALLY

PROJECT BACKGROUND

This large Federal building was consuming 10,219,643 gallons of water annually at a cost of $158,394. The water was being used in the domestic plumbing fixtures; toilets, urinals, faucets and shower heads, along with non-domestic uses such as cooling towers and some manual irrigation. The largest use of water consumption was the cooling tower at 6,423,481 gallons.

ABOUT GSA

U.S. Federal buildings represent the largest aggregate building portfolio in the world, accounting for billions of square feet in real estate. They not only provide space for hundreds of thousands of employees to provide critical services to our country, they also represent a significant opportunity to save energy, water, and money, create jobs, stimulate economic growth, and demonstrate building performance solutions that can drive the private sector forward.

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