

case study



Gulfport Federal Courthouse, Gulfport, Mississippi. The Gulfport project consists of a new eight-story tower and the historic preservation of a 1923, two-story brick building, which was the former Gulfport High School. The project will house the offices of the United States District Magistrate and Bankruptcy Courts, District and Bankruptcy Court Clerks, Probation, Marshal Service, Attorney, Circuit Library, Senate and the General Services Administration (GSA). The former high school building is a Mississippi landmark and is eligible for designation on the National Register of Historic Places.

Honeywell

Gulfport Federal Courthouse

Type of Service

Energy Savings Performance Contract (ESPC)

Project Start Date

2001

Gulfport Federal Courthouse

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Honeywell's Role

Honeywell acquired a company whose role consisted of general contracting, energy auditing, design engineering, financing, project management, commissioning, performance measurement and verification, and whole building operations and maintenance.

Project Scope

GSA awarded the company this delivery order under the Southeast Region Super Energy Savings Performance Contract (ESPC). The

scope of work consisted of installation of central plant equipment, identification of energy savings measures in the courthouse itself, and operations and maintenance for the entire facility. This project represents the first application of energy savings performance contract methods to new construction under the Department of Energy's contracting mechanisms.

Energy Equipment Cooling

- Two 300-ton chillers with variable frequency drives
- Lowered chilled water
- Coil static pressure and increased chiller efficiency

Steam & Hot Water

- Two 3-MMBtu inclined-tube hot water boilers

Water Conservation

- Cooling tower metering

Electrical & Controls

- Efficiency lighting upgrades
- Variable frequency drives on air handling units, chilled and hot water pumps and CT fans
- Single electrical service meter installation
- Occupancy-controlled ventilation

Building Envelope

- Glazing upgrade



Gulfport Federal Courthouse Gulfport, Mississippi

Federal —
New Construction

Sq. Ft. Served, 200,000

Guaranteed Savings
Performance Contract

20 Years

Honeywell Building Solutions

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