

Case study

Florida Department of Transportation District 2

Lake City, Florida



Florida Department of Transportation finds unique ways to trim operating costs

The Florida Department of Transportation (FDOT) consists of seven districts and Florida's Turnpike Enterprise. The department has more than 7,000 employees and an \$8.2 billion annual budget.

Challenges

- Reduce FDOT District 2 operating expenses.
- Improve indoor air quality in two facilities.
- Enhance occupant comfort and mechanical and electrical system reliability.

Johnson Controls solutions

- Create a partnership with Johnson Controls to reduce costs and improve occupant comfort under a self-funding performance contract.
- At the Jacksonville Urban Office, correct high humidity and replace small windows with an all-glass wall to allow more sunlight for employees and improve aesthetics.
- In Lake City, replace the Material Lab's air conditioning system and install an air cleaning system, among other building improvements.

- Retrofit high-mast intersection lighting system with more efficient lamps and fixtures, while maintaining the required illumination standards.
- Retrofit indoor lighting at maintenance facilities with more efficient lamps and ballasts, while maintaining the required illumination standards.

Results

- Johnson Controls is guaranteeing a \$550,000 annual reduction in operating expenses for 10 years.
- Jacksonville Urban Office's humidity level dropped from over 90% to 55%, while the Lake City Material Lab's indoor air quality has improved now that dust and dirt from soil processing activities are properly ventilated.
- Retrofitting the high-mast lighting has cut utility costs approximately 40%.

