

- Reach the PINNACLE of Performance and Reliability

Driving Lift Pumps for Waste Water

Manatee County, Florida is one of the fastest-growing counties in the state, driving increased demand on its wastewater infrastructure. To support this expansion, the county required additional lift stations capable of reliably moving wastewater from lower elevations to centralized treatment facilities.

High Torque and Harsh Conditions

Lift pump applications place high demands on control systems, requiring robust variable frequency drives (VFDs) capable of handling high torque loads, harsh operating conditions, and continuous service. Manatee County evaluated multiple VFD manufacturers and sought a partner that could deliver not only reliable technology, but also turnkey design, integration, and long-term support.

Custom Solution for The Application

After testing several options, Manatee County selected Fuji Electric for its industrial-grade VFD technology and comprehensive engineered systems capabilities. Fuji Electric's Engineered Systems Division in Roanoke, Virginia collaborated closely with county plant engineers to design and build custom Master Control Station panels. The solution included:

- High-performance VFDs designed for demanding lift pump applications
- Custom-built control panels engineered for durability and reliability
- Local technical support through an authorized manufacturer's representative
- A three-year warranty for added operational confidence

On Time and On Budget

The first large-horsepower VFD control panel was delivered on time and exceeded expectations for build quality and performance. Following the successful installation, Manatee County standardized on Fuji Electric for all Master Control Station projects over the next three and a half years. Today, Fuji Electric continues to support the county's ongoing wastewater expansion through additional control panel projects that will serve the community for years to come.

By combining rugged VFD technology with turnkey engineering, responsive local support, and proven reliability, Fuji Electric delivered a scalable wastewater control solution that met immediate needs while supporting long-term growth.



About Fuji Electric Corp. of America

Fuji Electric Corp. of America is a wholly owned subsidiary of Fuji Electric Co., Ltd., and has been responsible for sales and distribution of the company's products since 1970. Fuji Electric Co., Ltd. Began developing power electronics equipment in 1923, and is a global leader.



About Manatee County

Manatee County, Florida is a rapidly growing coastal community located along the state's Gulf Coast, just south of Tampa Bay. Known for its mix of urban centers, agricultural land, and waterfront communities, the county has experienced significant population and economic growth in recent years.