



## JTA Skyway SCADA System

**Client: Jacksonville Transportation Authority**

**Location: Jacksonville, FL**



### System Features

- DYNAC® Software
- Redundant 64-bit Servers
- Redundant Data Highway
- Redundant PLC's
- Interface to Intelligent Breaker Modules
- Interface to Train Control System

**DYNAC®**

Located in downtown Jacksonville, Florida, the Skyway, a fully automated transit system, is designed as the primary link between the new City Hall/Civic Center and other major business and entertainment/shopping/recreation points in the core downtown area. The Skyway ties together Park & Ride and multi-modal transportation facilities located at each of the three end stations of the system.

The full 2.5 mile, dual-elevated transit system is designed with eight stations and the J. Charles Sawyer Operations and Maintenance Center. All eight stations are currently in operation, serving riders on a one-mile shuttle route.

Transdyn provided the Supervisory Control and Data Acquisition (SCADA) System that monitors power distribution, station fire, station security and track switch devices.

The Skyway is controlled and monitored using redundant host computers that run Transdyn's DYNAC® software package. The operator interface is provided through the use of workstations, while the field devices interface with a redundant Programmable Logic Controller (PLC) subsystem.

The SCADA system also interfaces with intelligent breaker modules to monitor breaker values and the train control system for emergency power management.

The SCADA system provides a highly reliable, automated control and monitoring system for the Skyway complete with user-friendly graphic display screens which provide the operators with clear indication and easy access to all necessary status information.