



Miami-Dade County
MIA Mover Automated People Mover
Miami International Airport
MIAMI, FL

Miami-Dade County constructed an Automated People Mover system to transport passengers between terminals A, B, C, and D at Miami International Airport and the newly constructed Miami Intermodal Center (MIC).

Burns Engineering, Inc. was part of a Design-Build-Operate-Maintain team, headed by Mitsubishi Heavy Industries. The \$50 Million project included the design and fit-out for the APM guidance and power distribution systems. The APM system was built on an elevated structure of approximately 5,000 feet in length which traverses from the airport terminals to the MIC center, with a station at each end of the guideway. Burns' specific project responsibilities included the design of:

Electrical Systems:

- Traction power distribution system
- DC power rail
- APM auxiliary electrical distribution systems
- Guideway lighting

Communication and Control Systems:

- Communications
- Security

Burns also provided an on-site construction monitor to verify compliance with the construction documents.

