



METROLINK

ADESTA HELPED ENHANCE THE OVERALL COMMUTER EXPERIENCE

The Southern California Regional Rail Authority, commonly referred to as Metrolink, is a premier regional rail system which provides commuter services and other passenger amenities. The rail system conveniently links travelers' community, employment, activities and everyday happenings within Southern California. The system provides a reliable mode of transportation that is secure and beneficial to the environment.

Adesta installed and integrated an updated, enhanced communications network, electronic equipment and microwave towers to support train control, station services and business applications.

Work on the 13.6M project was performed within a 40-mile geographic area throughout Orange County, California. Throughout 9 passenger stations, 21 wayside and 2 endpoints, G4S Secure Integration installed a new fiber-optic backbone, communications shelters, electronic communications equipment and new microwave towers. Communications were also integrated and ensured back to Metrolink's Operations Center. This expansion increases passenger service within Orange County, CA from 64 trains per day to approximately 80 per day, as well as increasing the quality of the overall traveling experience.

The new fiber backbone not only integrates the train control data, but is available to support additional services such as CCTV, ticket vending machines, public address, variable message signs (VMS), voice radio and some elements of Positive Train Control (PTC).

Adesta hosted a systems integration testing at its facility in Torrance, California. A complete mock-up of the entire system was installed. Testing involves the interface and interaction of the communications systems operating with any other sub-systems for which it is required to operate under normal conditions. Testing included the SONET Resilient Packet Ring fail-over testing,

Gigabit Ethernet Hot Swappable Routing Protocol fail-over testing, Microwave Radio Path fail-over and finally routing protocols configured to fail-over to a multi protocol label switching network while maintaining Positive Train Control traffic.

"The joint powers of the Southern California Regional Rail Authority continue to provide their passengers a truly valuable commuting service with Metrolink," said the President of Adesta. "We were happy to be able to help them expand on their concept of improving the passenger travel experience with the enhanced technology these upgrades provide."

ADESTA

1200 Landmark Center
Suite 1300
Omaha, NE 68102

Telephone: 855-447-8721
Fax: 402-233-7650
info@adestagroup.com
www.g4s.us/adesta