



COMMUNICATION NETWORK SOLUTIONS

MIDDLE MILE, LAST MILE, SMART GRID

G4S Secure Integration has a long history of developing converged solutions for Middle Mile and Last Mile networks. Middle Mile infrastructure is essential for bringing broadband to communities that were previously isolated or had only rudimentary connections. Once in place, many of these networks will deliver a heightened level of security and safety by providing interoperability between first responders and/or enhancing communications capabilities by connecting state and local government agencies onto one network.

Last Mile is the final leg of a network that delivers connectivity from a communications provider to a customer premise. G4S Secure Integration provides services to both the Wireless and Wired subsets of these market segments. In the Wired subset, we focus on the fiber to the Home (or premise) group. In the Wireless arena, mobile backhaul network development is necessary for cellular operators to deploy 3G and 4G Services that require a robust network to meet high bandwidth needs. We are experienced at engineering, integrating, installing and maintaining the wired and wireless backhaul architectures being deployed to meet these needs.

Smart Grid is another Last Mile area where we are engaging. Smart Grid deployments require a telecommunications network backbone that will provide "intelligence" to the energy sector, providing the ability to better manage electrical consumption and alerting potential black-outs and brown-outs resulting from utility grid stress. G4S Secure Integration is capable of providing network development services for these networks. With the recent advent of government funding available for Broadband and Smart Grid network development, coupled with our deep history of comprehensive deployment of comprehensive network design/build solutions, G4S Secure Integration is well suited to take the lead role in this marketplace.

Long-Haul

- Full Turnkey Services
- Engineering
- Permitting
- Locating
- Preventative/Emergency maintenance
- Hybrid solution using fiber and licensed microwave

Middle Mile

- Full Turnkey Service
- Route design
- Engineering Permitting
- Locating
- Preventative/Emergency Maintenance
- Hybrid solutions using fiber and licensed microwave

Last Mile

- Full Turnkey Last Mile development
- FTTH
- FTTN
- CATV
- Wireless
- WiFi
- WiMAX
- Cellular
- Microwave
- Mesh