

# Professional Services

## Full Life Cycle Services and Support to meet Infrastructure and Integration Objectives

LTI DataComm utilizes a core group of highly certified network engineers to provide best-in-class support and integration services. Our offerings range from pre-sales engineering to installation and integration, as well as follow-on training and support. LTI DataComm engineers are experts at analyzing complementary technical capabilities and current technology trends, resulting in the delivery of professional services that meet our client's current requirements while allowing for future scalability. Additionally, the team has experience in the research and development of modified OEM systems to meet specific customer requirements.

LTI's Professional Services division is organized as a cohesive unit with specializations in the following:

- Legacy Data Systems
- Voice Networks
- Wireless Transport Services
- SONET/ATM Transport
- Video Transport Services
- LAN Services
- Microsoft Network Administration and Security
- Cisco Design and Integration
- Help desk Support

The group is further sub-divided by technical competency in the areas of Data Networks, Video Networks, Voice Networks, IP Networks, Enterprise Networks, and Wireless Networks.

### The Service Process

LTI DataComm processes customer requirements by conducting an initial thorough evaluation of the customer's network, mission, and need. Further analysis of the customer's network may involve detailed evaluations on physical and logical network configurations, legacy applications, network addressing, security and vulnerability assessment, reliability and availability analysis, network optimization, disaster recovery, survivability, and storage area network and off-site backup systems analysis.

Our project engineering processes include network analysis, requirement analysis, network design, interoperability testing, deployment, integration, system testing and commissioning, quality control, as-built drawings and baseline network configuration. The LTI DataComm Technical Services team takes great care in providing a first-rate turn-key solution for the customer.



## Services Overview



LTI DataComm has a **proven track record** of quality service.

With satisfied customers in every branch of the U.S. DoD, LTI has received **excellent ratings** in each contract fulfilled to the Federal Government.

## Contract Overview



LTI's On-Site Engineers

### Case Studies:

#### Eagle Vision

Eagle Vision is a program within the DoD to provide critical satellite imagery to various agencies within the state and local governments, military agencies and various intelligence agencies. Satellite imagery is downloaded from various satellites throughout the world and processed for dissemination to agencies requesting the data. This data is used for various purposes ranging from natural disaster warning and relief to targeting and threat assessment of terrorist activities world-wide.

#### U.S. Air National Guard

The Air National Guard hosts one of the Eagle Vision units in South Carolina. This installation is responsible for providing advanced warning weather data to the state and local governments. With virtually no infrastructure existing to transport this data, LTI and its subcontractor performed on-site baseline modeling of possible solutions and provided a cost benefit analysis to the customer for the best overall solution.

The accepted solution was then designed and implemented by bringing together the systems architects, engineers, installation teams and quality assurance best practices from LTI, its subcontractor, and partner vendors. The end result was a total turn-key solution that combined resources from the Air National Guard, local utilities, tower collocation services, and integration with the Air Force's existing network. A total system design included seamless integration between disparate networks through the use of copper, fiber, and wireless transport mechanisms.

#### Specializations:

##### Wireless Networks

- PCS & Cellular full site builds
- Television & Radio broadcast communications
- Two-way communications
- Microwave radio design and installation
- Tower installation
- Communication & power extension
- Link alignment & adjustment
- Product & technical training
- Extended service & maintenance

##### Voice, Video & Data Networks

- Site survey & wire verification
- Installation, testing and commissioning
- Systems design & engineering
- Power and grounding system analysis
- Integration of additional service transport
- Complete "As Built" drawing package
- Baseline performance test results
- Product & technical training
- Extended warranty & help desk support

##### IP & Enterprise Networks

- Network design/integration
- Scope definition, vision documentation
- Design specification & master project planning
- Test plan and specifications
- Facility and platform installation planning
- Software/data setup and conversion planning
- Operational specifications
- System, network, & directory admin.
- Security admin. procedures
- Security architecture & design
- Help desk procedures
- Contingency planning procedures

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