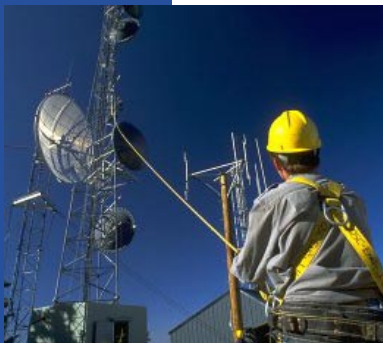


Consulting Services



Questar InfoComm telecommunication projects have involved many technologies including a variety of microwave, fiber optic, mobile radio/data, telephone, paging, and telemetry systems.

Available Telecommunications Engineering Services:

- Network design and specifications including vendor and equipment selection.
- System optimization.
- Management of FCC licensing requirements.
- Equipment installation.
- Site design and construction for buildings, towers, and site grounding.
- Design and specifications of power and backup power systems.
- Obtaining construction and conditional use permits from appropriate government entities.
- Project Management.

For over 50 years, our engineering group has been responsible for providing a highly reliable voice and data telecommunication system that supports the business objectives of the Questar companies. Some examples of typical projects are listed below:

- Converting 75 paths of analog microwave to state of the art digital microwave radios.
- Provide engineering and project management to deploy 150 miles of optical fiber to support a metropolitan area network (MAN) in Salt Lake City, Utah.
- Design and build an integrated statewide SMR system which features the advantages of telephone interconnect and centralized dispatch.
- Building and acquiring additional successful SMR systems throughout the Western United States that were eventually purchased by Nextel in 1994.
- Developing a regional paging network that is integrated with Questar's e-mail and voice mail messaging systems and that has superior coverage when compared to any commercial system in that area.
- Engineering and installing a telephone system upgrade for Questar that integrated 15 Nortel PBX's in Utah and Wyoming so a central location can handle incoming customer calls.