

# Alta Telecommunication Solutions



## The Alta Edge

Let our team of experts provide you with state-of-the-art technologies and solutions for your telecommunication network.

Today, the business world has never been more competitive in virtually every industry. Companies and organizations are placing more significant energies to increase profits and outperform the competition. In support of these efforts, Groupe Alta has developed unparalleled technologies and solutions that your organization can count on to increase customer service. By providing the most professional and customer-oriented engineering services being offered on the market today and by using the most advanced and state-of-the-art design tools, Groupe Alta is the technological expert for your cable distribution network design.

To ignore your company's rapidly becoming obsolete cable distribution network can mean a loss of revenue and wasted time for your staff and employers. It is imperative that your company make every effort to control costs and increase productivity.

One thing to remember is that a cable distribution network is a major investment that should be able to grow with the company. Therefore, your network system should be designed by a team of professionals who can provide you with the right solution at the right time.

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Groupe Alta's telecommunication solutions and services focus on creating a competitive advantage for our customers. We determine what actions will create the most advantage, and then implement strategies accordingly. Groupe Alta is a leading service provider offering a wide spectrum of customer-focused engineering solutions within the Cable Distribution Industry.

## Consulting

- Customized evaluation of customer requirements
- Electronic and electro-optic equipment planning and design
- Analysis of existing infrastructures and negotiation of retaining structures and servitudes
- Inspection and quality control on project and contract management

## Systems Architecture

- Preliminary engineering analysis and planning
- Field inspection of construction or structures
- Engineering design of network architecture

## Network Design

- Fiber, coaxial and copper network design including inside plants
- Complete evaluation and analysis of existing Hybrid (HFC) networks
- State-of-the-art design tools
- Electronic equipment planning

## Network Documentation Management

- Management through use of diverse application software (Smallworld, Bentley's platform)

Videotron Ltd, a division of Quebecor Media Inc., is an integrated communications company specializing in the distribution of cable television, development of interactive multimedia, Internet access services and residential telephony. Our Telecommunications Division supports Videotron in the areas of network design for commercial and residential customers, on several projects including their most important modernization projects. Our team has successfully completed the design of their Cable Distribution Network for their Quebec Province Modernization Project. At present, network design activities are currently in progress for the Greater Metropolitan area of Montreal including the surrounding suburbs.

### Customer's Objectives:

- Obtain an increase bandwidth capacity
- Improve reliability to 99.99% to offer telephony over Internet Protocol
- Reduce design costs
- Maximize the use of equipment up to 16 hours per day
- Optimize Human Resource and Project Management

### Groupe Alta's Actions:

- Quickly implement a multi-disciplinary team of specialists
- Validate system architecture drawings
- Prepare permit requests for structure owners
- Update databases - design drawings and structures
- Design network in accordance to existing structures and customer requirements
- Inventory of required equipment and BOM Creation
- Prepare drawings required for construction
- Finalize "as-built" drawings

### Results:

- Professional, reliable and quality results
- A reduction of 25% in design and implementation costs
- Effective and efficient project management
- On-time delivery and 100% budget compliance
- Successful application software transition



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