



BUILDING SMART

TELECOMMUNICATIONS CONSULTING SERVICES FOR PUBLIC
AND PRIVATE SECTOR ORGANIZATIONS ON THE MOVE



TELECOM PLANNING:

A STRATEGIC IMPERATIVE

Planning the construction or retrofit of new office space is a complex and challenging undertaking. Historically, telecommunications needs have not been part of the equation. But today, as communications infrastructure becomes increasingly important to business efficiency, productivity, security and success, careful preparation has become strategically and tactically imperative.

A well-laid plan that leverages the advantages of converged services and systems over a common infrastructure will deliver important cost savings for years to come.

Your partner for the job

For more than 14 years, the Davidson Violette team has worked closely with clients to remove the complexity from telecom-infrastructure planning. We collaborate closely with interior designers, architects, engineers, contractors and end users to integrate the voice, data and video systems you need over a single, secure platform.

When required, we undertake focused and efficient feasibility studies and needs assessments. We assist with site planning, systems design and project management.

And we apply our knowledge of the various service providers to help you structure vendor bids and choose the best equipment, while respecting the budget you have available.

Experience and range

We are industry veterans, committed to providing our clients with standards-based, innovative solutions. Primarily, we consult on Internet Protocol (IP) standards and the network physical infrastructure that supports them.

“All aspects of the project from presentation to delivery to billing have been handled professionally. Davidson Violette did exceed this customers expectations.”

Richard Langley, IS Project Manager for Data Centre Renovations

Services we offer

- wiring infrastructure
- voice systems design
- data systems design
- audio-visual services
- physical security systems design
- project management services
- outside plant design services
- wireless systems design
- bidding and rfq services

Certifications we hold

- Registered Communications Distribution Designer (RCDD)
- Telecommunications Documentation Specialists
 - AutoCAD
 - ARCHIBUS
- Outside Plant Specialists (OSP)
- Network Transport Specialists (NTS)
- Voice-over-IP Designers (VoIP)
- Audio-visual Specialist (CTS-D)



A modern infrastructure in a heritage property: Museum of Nature

In 2004, the Canadian Museum of Nature initiated a renewal project to modernize its Victoria Memorial Museum Building. DVA was tasked with replacement of the aging telecommunications and exhibit systems, the construction of a new centralized main equipment room, and the integration of various services. The design team successfully delivered a functional, easy-to-administer system.



A robust system for expanding operations: GOC

A federal government department with a key role in Canadian security operations determined it needed a new facility to accommodate its growing staff. Critical to planning its move was the requirement for continuous uptime of both networking and CATV systems. DVA designed and managed the installation of a fully redundant infrastructure for power, voice, data and video.



A multi-faceted design for an organizational consolidation: Rideau Valley Conservation Authority

Having outgrown their administrative headquarters, the Rideau Valley Conservation Authority set out to bring together staff from seven buildings into one new facility. DVA conducted a systems audit and prepared recommendations for an infrastructure that would suit the organization's new configuration. The project included outside cable plant, inside cable plant and multimedia systems design, as well as security, access control, and voice and data networking.

An intricate data network for a company on the move: CAA

For over 100 years, CAA has delivered unequalled value in automotive, travel, insurance and related services. Having outgrown their existing space, the company opted to purchase a new facility to house their data center, dispatch and call centers. As part of a multi-disciplinary design team, DVA crafted a state-of-the-art infrastructure—including a cabling and conduit framework—to ensure smooth operations while supporting the communications needs of a call center operating 24/7.

“I have been very impressed with the design, installation and technical support and knowledge that Davidson Violette has given me concerning the creation of a television broadcasting system in our school... particular experience and expertise in this area resulted in a system that is easy to use and very cost effective.”

Mary Ann Turnbull, Director, Turnbull School

MAPPING THE DAVIDSON VIOLETTE SERVICE OFFERING

Infrastructure Design

- Physical layer—pathways and spaces
- Customer-owned outside plant
- Grounding and protection systems
- Network transport systems
- Audio-visual design
- Wireless design
- Electronic safety and security
- Environmental monitoring

Internetworking Systems Design

- Strategic planning
- Physical infrastructure
- Outside plant
- Construction documents
- RFI/RFP preparation and evaluation
- Data center design
- Voice, data and video systems
- Technology migration

Data Center Design

- Project charter
- Space planning
- Equipment inventories
- Physical infrastructure
- Equipment lay-out
- Power conditioning and back-up
- Project management
- Technology relocation

Audio-Visual Systems Design

- Presentation and training systems
- Audio systems and acoustic design
- Video-on-demand
- Marketing displays
- Theatres and screening rooms
- Audio reinforcement
- Video distribution and capture

“Over the years, I’ve had the pleasure to utilizing Davidson Violette telecommunication experience and services to deliver numerous on-time & within budget turnkey projects.”

Ron G Roedig, VP of Facility Management

Contact

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