



# Introduction to



# Consortium Organization



CDI



KODE CANADA



# Introduction

SMC Consortium is a Canadian leader in engineering delivering global solutions based on global approach to projects.

We provide services for

- Studies
- Engineering and Consultancy
- Environmental
- Organizational Development & Training

# Our values

**Teamwork:** listening to our colleagues, communicating with each other and maximizing the contribution of all employees to ensure project success

**Respect:** earning the trust of our colleagues and clients through a participatory approach

**Integrity:** conducting ourselves in accordance with the principles of ethics, equity and justice

**Professionalism:** setting high performance standards while encouraging autonomy and innovation

....

# Our values



# The SMC Consortium

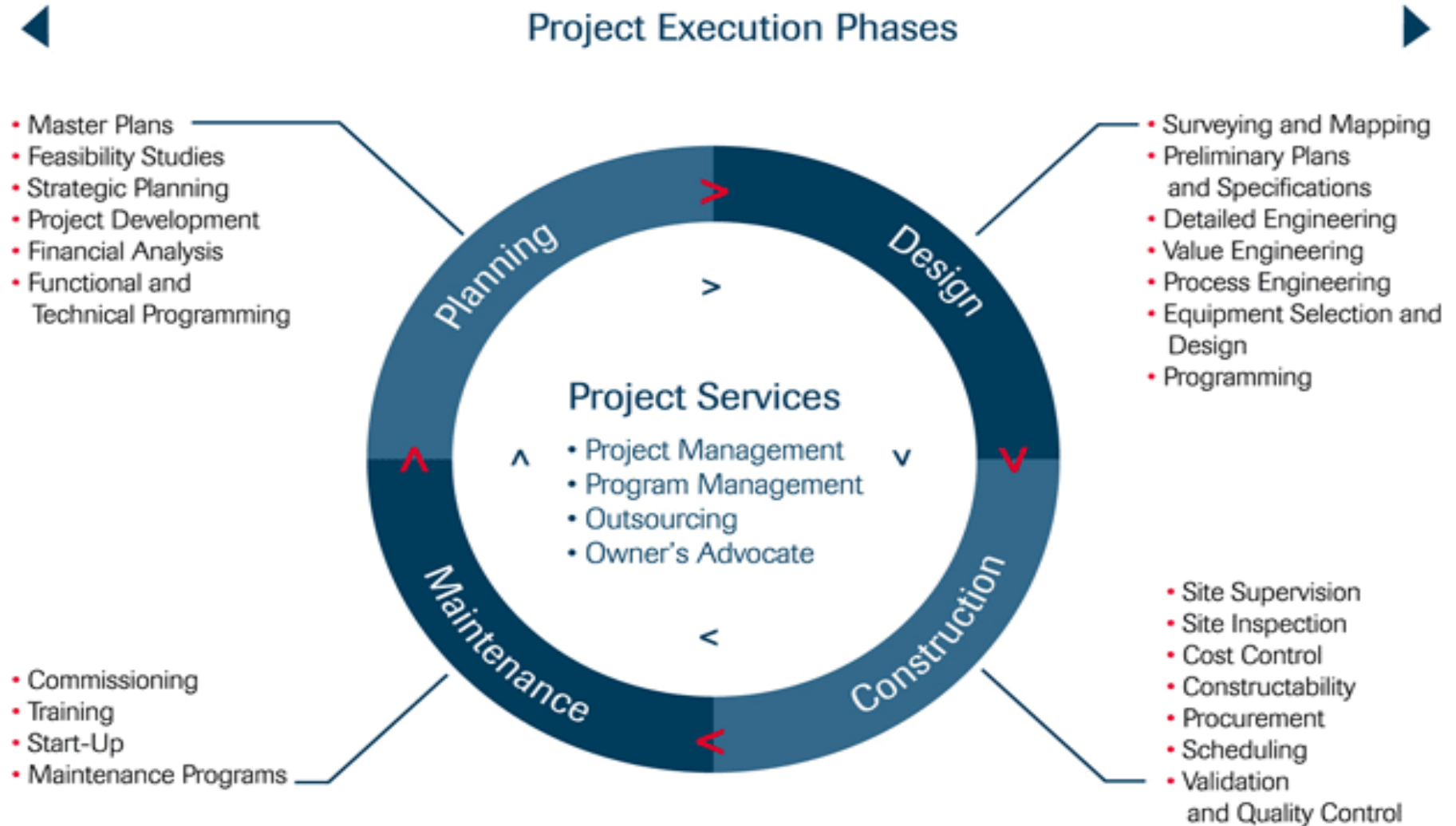
Has been a strategic partner of municipalities for more than 45 years. From planning to the construction of civil engineering structures, our solutions are innovative and cost-effective and facilitate optimal territory management.

Partner's combination of municipal engineering specialists and multidisciplinary expertise allows it to deliver environmental, traffic and highway engineering solutions adapted to municipalities' needs.

# Expertise

We cumulate more than 65 years, as engineering consultants this have been the foundation of our reputation and success. We serve a large client base in several markets by providing multidisciplinary services in studies, engineering and environment. Our employees are recognized experts who deliver exceptional projects for our clients. When a client selects our services, it is assigned an experienced project manager who can access the knowledge and skills of the entire SMC team.

# How does your project are doing ...



# Firm Philosophy / Methodology

**GENIVAR-CDI Joint-Venture (SMC Consortium)**

**SMC Consortium**

# Firm Philosophy / Methodology

## **GENIVAR-CDI Joint-Venture (SMC Consortium)**

**SMC Consortium** is accountable for ensuring that the allocated resources are used appropriately to complete the project. We work to understand and respect the project goals and requirements of each of the team members, while focusing on completing the project within budget and on schedule.

**SMC Consortium** puts in place the necessary resources to ensure that the interests of the Client are protected at every stage and that a superior quality project is delivered.

# NEW AFFILIATED

**Nove Environnement inc**  
**GLD Experts-Conseils**

Environment and land use planning  
Civil Engineering, Transportation  
Building, Environment

**Kazmar Associates,Ltd.**  
**Cochrane Design Group**  
Transportation,

Building Engineering  
Building,Civil Engineering,

**Martoni, Cyr and**  
Telecommunications  
**Associates inc.**  
**MacViro**

Power, Industrial, Processing  
Building Engineering,

Water&Waste Water  
Treatment,Solid Waste  
Management,Environment, Power

**Labelle-Ryan Génipro inc.**

Civil Engineering,  
Mechanical&Electrical,  
Structure, Environment.

**Sokkia**  
**Promine Consultants Inc.**  
**Groupe Conseil Aiguebelle**  
Engineering,Industrial  
**Day & Behn**

Mechanical&Electrical  
Mining Engineering, Geology  
Environment,Civil

**Léandre Gervais & Associés**

Mechanical & Electrical,  
Lighting design of Building  
Mining&Forestry Engineering,  
Mechanical &  
Electrical,Structure,  
Civil Engineering,Industrial.

**Génium Consultants**

Building & Maritime  
Engineering, Urban  
Infrastructure, Transportation  
Mechanical Engineering

**ADeB Consultants**  
**AMEC**

**(Industrial-Quebec City)**

Steel Detailing and  
Engineering for Fabricators

**AMEC(Industrial –Montreal)**

Pulp and paper,  
Pharmaceutical and Biotechnology  
Power.

**Savoie & Associates**

Mechanical and  
Electrical (Food Services)

**Les Consultants de L'Outaouais**

Urban Infrastructure  
Mechanical and Electrical,

**STRON Consultants Inc**

Pharmaceutical Sector

**CEM Consultants**

Industrial

**Hydro-Terra**

Industrial

# STUDIES AND ENGINEERING

**Our strong client commitment creates value and generates tangible and measurable advantages, including:**

- Design flexibility on all projects
- The skills necessary to be involved at every stage, from needs analysis through
  - commissioning.
- Adherence to budgets and schedules.
- The ability to work in “fast track” mode while allowing facilities to remain in use.
- Online computerized management tools to facilitate communication and the sharing of
  - documents
- The application of strict health and safety standards
- In-house “Centres of excellence” accessible to all our clients

# STUDIES AND ENGINEERING

- 16th Avenue Trunk Sewer Phase I, Markham



Client  
McNally/AECON  
Joint Venture

Location  
Markham, Canada

Construction cost  
\$24,000,000

Year  
2001-2004



# STUDIES AND ENGINEERING

- BC Place Stadium, Vancouver
- E-Commerce Place, Montreal
- Erie Shores Wind Farm, Port Burwell
- Ethanol Plant, Belle Plaine, Saskatchewan
- Highway 15 North and South Rehabilitation, Blainville, Sainte-Thérèse

# STUDIES AND ENGINEERING

- Victoria Memorial Museum, Ottawa



Client  
Canadian Museum of  
Nature

Location  
Ottawa, Canada

Construction cost  
\$100,000,000

Year  
2004-2009

# STUDIES AND ENGINEERING

- Highway 15 North and South Rehabilitation, Blainville, Sainte-Thérèse
- Highway 30 Extension, Saint-Constant, Quebec
- Highway 40 East-West Rebuilding, Reconstruction from Highway 520 to St-Jean Boulevard, Phases I-IV, Montreal
- Highway 640 and Highway 15 Interchange Reconstruction, Boisbriand
- Le Vistal, Nun's Island

# STUDIES AND ENGINEERING

- Quartier international de Montréal inc.

Location

Montréal, Canada

Construction cost

Phase 1 : \$63,000,000

Phase 2 : \$10,000,000

Year: 2000-2003

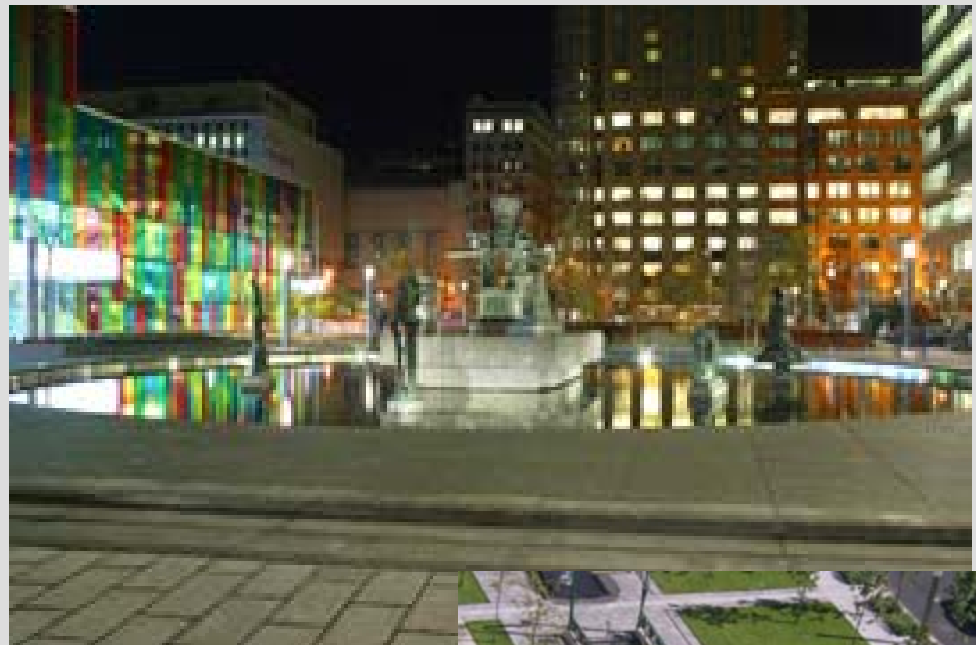
Services:

Preliminary studies

Surveys

Plans and specifications

Services during construction



# STUDIES AND ENGINEERING

- Maisonneuve-Rosemont Hospital, Emergency Room Expansion, Montreal
- Montreal Convention Centre Expansion
- Mulets River Bridge, Sainte-Adèle, Quebec
- Ottawa International Airport Expansion
- Ottawa International Airport, Phase II
- Magpie Hydroelectric Project, Minganie, Quebec

# STUDIES AND ENGINEERING

## Maisonneuve-Rosemont Hospital, Emergency Room Expansion, Montreal

Client

Maisonneuve-Rosemont Hospital

Location

Montreal, Canada

Construction cost  
\$60,000,000

Year

1999-2005



# STUDIES AND ENGINEERING

- Mulets River Bridge, Sainte-Adèle, Quebec
- Ottawa International Airport Expansion
- Ottawa International Airport, Phase II
- Quartier international de Montreal  
Development
- Taschereau Interchange - Highway 10,  
Brossard

# STUDIES AND ENGINEERING

Client: Ottawa International Airport

Authority

Location: Ottawa, Canada

Construction cost: \$200,000,000

Year: 2001-2004



# STUDIES AND ENGINEERING

- Tohu - Chapiteau des arts, Montreal
- Victoria Memorial Museum, Ottawa
- Wastewater Rehabilitation Project, Trinidad and Tobago
- Water and Wasterwater Masterplan for the City of Montreal

# INFRASTRUCTURE PROJECTS

Port-of-Spain Waterfront, Trinidad & Tobago

Client  
Urban Development Corporation  
of Trinidad & Tobago Ltd.

Location  
Port of Spain, Trinidad & Tobago



Construction cost  
\$US300,000,000

Year: 2004-2007

Services: Project management,  
construction, management

# INFRASTRUCTURE PROJECTS

Water and Wastewater  
Masterplan for the City of  
Montreal

Client  
City of Montreal

Location  
Montreal, Canada

Construction cost  
\$2,000,000,000

Year  
2005-2010



# INFRASTRUCTURE PROJECTS

South Peel Water & Wastewater Treatment Plants Expansion,  
Region of Peel

Client  
Regional Municipality of Peel

Location  
Mississauga, Canada

Construction cost  
\$450,000,000

Year  
2004



# CONSTRUCTION SERVICES

- Work site supervision
- Contract administration
- Schedule planning
- Cost and timetable control
- Estimates
- Value analysis
- Document control
- Constructibility reviews
- Inspection and quality assurance
- Commissioning

# CONSTRUCTION SERVICES



BC Place Stadium  
Roof Repair,  
Vancouver

Client  
BC Pavilion Corporation

Location  
Vancouver, Canada

# CONSTRUCTION SERVICES

- Canadian War Museum, Ottawa
- Concordia University Richard J. Renaud Sciences Complex, Montreal
- Concordia University, Faculty of Engineering, Computer Science & Visual Arts, Montreal
- Haiti Republic Bank
- Renovation, Brockville

# CONSTRUCTION SERVICES

LeBreton Flats Development, Ottawa

Client  
National Capital Commission

Location  
Ottawa, Canada

Construction cost  
\$100,000,000

Year  
2001-2006



# CONSTRUCTION SERVICES

E-Commerce Place,  
Montreal

Client  
E-Commerce Place

Location  
Montreal, Canada

Construction cost  
\$200,000,000

Year  
2003



# CONSTRUCTION SERVICES

- Magpie Hydroelectric Project, Minganie, Quebec
- Montreal Convention Centre Expansion
- Port-of-Spain Waterfront, Trinidad & Tobago
- Ryerson University, The George Vari Engineering and Computing Centre, Toronto
- St. Lawrence Valley Correctional Centre Renovation, Brockville

# CONSTRUCTION SERVICES

Quebec National Police School, Nicolet

Client

École nationale de police du Québec, Société immobilière du Québec

Location

Nicolet, Canada

Construction cost

\$45,600,000

Year

2001-2003

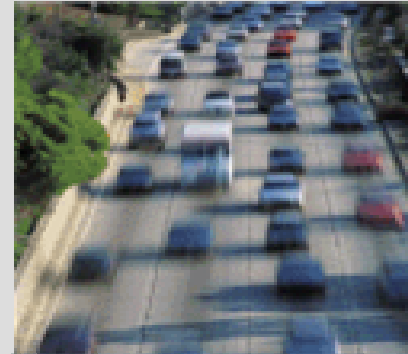


# ENVIRONNEMENT

SMC multidisciplinary environmental team through its on-line network can access the knowledge of specialists working in other disciplines, to effectively handle all projects that integrate human and biophysical aspects, in addition to the design and construction as well as operation.

The firm serves the following markets:

- Energy
- Transportation
- Municipal
- Commercial and residential
- Institutional
- Healthcare  
and education
- Industrial
- Construction



# ENVIRONMENT

Our Services include:

- Aquatic and terrestrial ecology
- Habitat management
- Environmental impact and monitoring
- Water, soil and sediment contamination
- Restoration of contaminated sites
- Sanitary engineering
- Solid waste management
- Environmental monitoring and surveillance programs
- Marketing, finance and economics
- Geomatics, visual simulations and mapping

# ENVIRONMENT

Biological control of incompatible vegetation, Joliette

Client

Hydro-Québec Distribution – Environment Division

Location

Joliette, Canada

Year

2003-2004

Services



\* Technical expertise

Conducting of surveys (natural environment)

# ENVIRONMENT

## Saint-Georges Neighbourhood Characterization and Decontamination, Baie-Comeau

Client: Alcoa

Location:

Baie-Comeau, Canada

Construction cost  
\$2,700,000

Year: 2002-2004

Services

Soil characterization

Job supervision

Site rehabilitation



# ENVIRONMENT

- Bank stabilization program, Québec side of the Ottawa River
- Bird Fishpass, Jacques-Cartier River
- Frampton sanitary landfill site, Phase I, MRC La Nouvelle-Beauce
- Hydrology Study Rio Chancay, Trujillo
- Pulp and Paper Industry Environmental Effects Monitoring Program
- Romaine River Hydropower Complex, Lower North Shore
- Salmon restoration project in the Betsiamites River, North Shore region, Quebec
- Wind Power Facility, Setting up, Assessment and Selection, Magdelen Islands

# ENVIRONMENT

Magnola Commercial Magnesium  
Plant

Client  
Noranda

Location  
Danville, Canada

Construction cost  
\$750,000,000

Year  
1998



# ENVIRONMENT

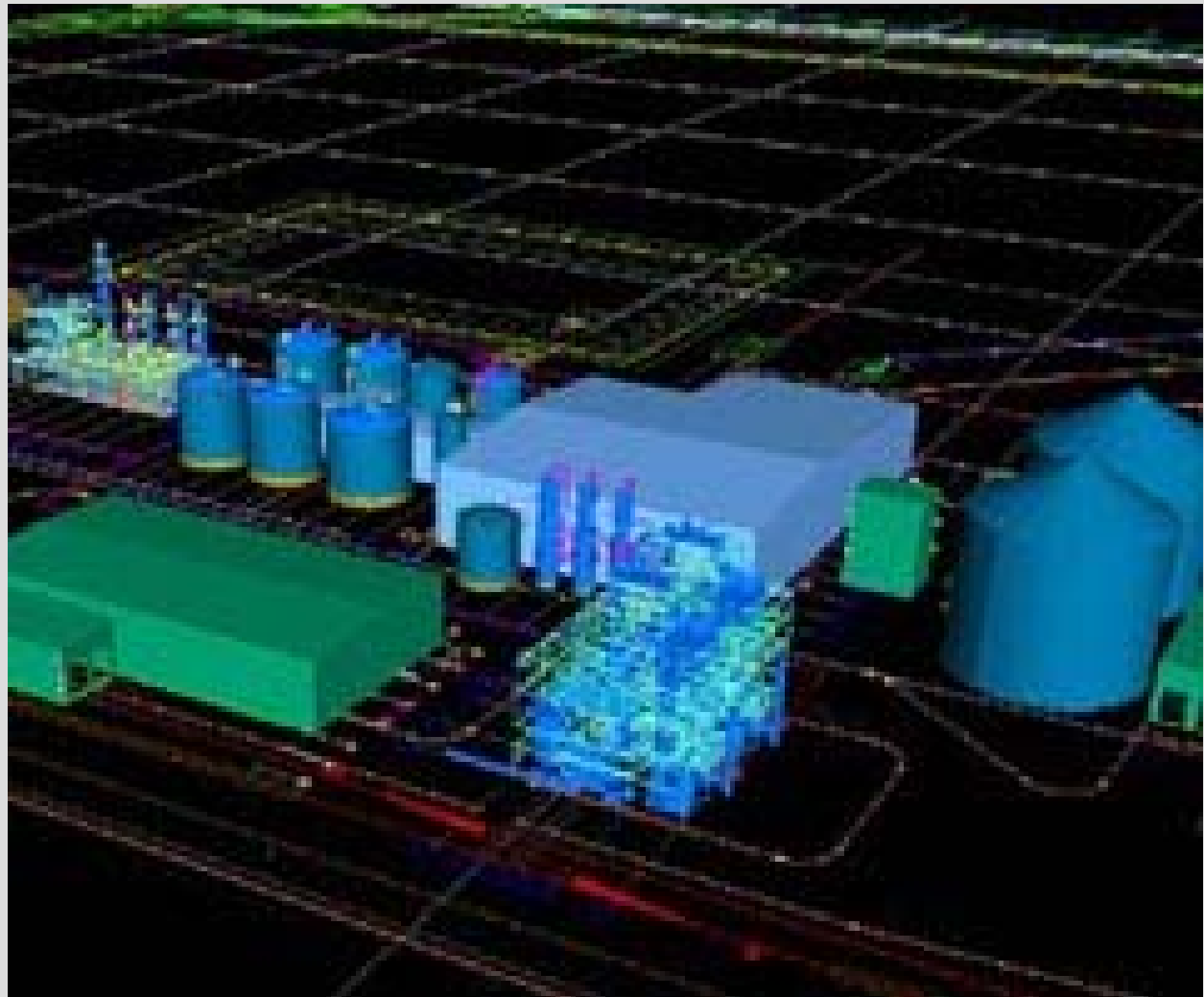
Ethanol Plant, Belle Plaine, Saskatchewan

Client  
Terra Grain Ltd.

Location  
Belle Plaine, Canada

Construction cost  
\$140,000,000

Year  
2006-2008



# ENERGY EFFICIENCY

- Centralization of controls
- Heat recovery
- Energy source conversion
- Dehumidification
- Building envelopes
- Installation of high-performance lighting systems
- Cogeneration
- Use of sustainable resources



# ENERGY EFFICIENCY

Erie Shores Wind Farm, Port  
Burwell

Client  
AIM PowerGen Corporation

Location  
Port Burwell, Ontario, Canada

Construction cost  
\$186,000,000

Year  
2005-2006



# ENERGY EFFICIENCY

Eastmain-1-A Powerhouse and Rupert Diversion,  
Construction of two weirs, Baie-James

Client  
Hydro-Québec

Location  
Baie-James, Canada

Construction cost  
\$4,000,000,000

Year  
2004-2009



# TRANSPORTATION

Grandview Cut Bridges,  
Vancouver

Client  
Rapid Transit Project 2000 Ltd.

Location  
Vancouver, Canada



# TRANSPORTATION

Highway 185 Construction,  
Dégelis

Client  
Quebec Ministry of  
Transportation

Location  
Dégelis, Témiscouata, Canada

Construction cost  
\$25,000,000

Year  
2002-2007



# TELECOMMUNICATIONS



Guyed Tower



Self-supporting Tower



Monopole Tower



Aesthetic tripole structure



Ice-shield for microwave antennas



Tower exposed to in-cloud icing

Building on its extensive expertise, SMC offers a wide array of telecommunications services. The company's reputation in the field stems from its mastery of the design and creative process. SMC's engineers have developed state-of-the-art techniques aimed at reinforcing existing telecommunication towers and extending their useful life, resulting in lower reconstruction costs. SMC's expertise covers infrastructure analysis, design and maintenance for PCS cellphone, microwave, radio, television and mobile radio networks.

# Contact informations



The SMC Consortium

18 Lakeshore Rd  
Pointe-Claire, QC  
CANADA H9S 5X9