



Kontzamanis . Graumann . Smith . MacMillan Inc.
CONSULTING ENGINEERS & PROJECT MANAGERS

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PRINCIPALS:

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STAFF

The KGS Group has built a diverse and competent professional and technical staff by attracting people from varied backgrounds. This has enabled the Firm to offer clients a depth of academic and practical experience. The Firm currently employs a staff of 100, which includes 45 Engineers and Scientists. The high percentage of experienced professionals allows the Company to maintain a consistently high level of service to its clients.

SENIOR STAFF

R. Bodnar, B.Sc., ME, P.Eng.
Senior Mechanical Systems Engineer
R. Carson, B.Sc., CE, M.Sc., P.Eng.
Manager Water Resources Services
T. Crilly, M.Sc., CE, P.Eng.
Geotechnical Engineer
M. DeGagne, B.Sc., CE, M.Sc., CE, P.Eng.
Municipal/Water Resources Engineer
R. Derksen, B.Sc., ME, P.Eng.
Senior Mechanical Engineer
J. Frank, B.A. Env. Sc.
Environmental Geoscientist
A. Gerrard, B.Sc., ME, M.Sc., P.Eng.
Project Manager, Manager - KGS International
R.B. Guppy, B.Sc., EE, P.Eng.
Senior Electrical Engineer
M. Friedman Hamm, M.Sc.
Senior Hydrogeologist
T.D. Holding, CET
Project Manager
R. Houston, B.Sc., CE, P.Eng.
Municipal Projects Manager
R. Kamo, P.Eng.
Senior Mechanical Engineer

R.M. Kenyon, B.Sc. CE, Ph.D. Geot., P.Eng.
Senior Geotechnical Engineer
R.J. Long, B.Sc. M.Sc., P.Eng.
Senior Structural Engineer
R. Martin, B.Sc., P.Eng.
Senior Structural Engineer
L.J.V. Mayell, M.Eng., P.Eng.
Project Manager
G. McPhail, B.Sc. CE, M.Sc., CE, P.Eng.
Senior Hydrotechnical Engineer
K. Merkle, B.Sc., ME, P.Eng.
Senior Mechanical Engineer
K. Osiowy, B.Sc., M.Sc., Geo., P.Eng.
Senior Geotechnical Engineer
W.W. Rempel, B.Sc., P.Eng.
Senior Structural Engineer
G. Siebert, B.Sc., P.Eng.
Project Manager
R.D. Sinclair, B.Sc., Geological, M.Sc. Hydrogeology
M.Sc. Environmental, P.Eng.
Manager Environmental Services
R. Svazas, B.Sc., ME, P.Eng.
Senior Mechanical Engineer
T. Tikka, M.Sc., P.Eng.
Senior Structural Engineer
R.E. Willms, B.Sc. EE, P.Eng.
Senior Electrical Engineer, Project Manager
R. Wisniewski, B.Sc., ME, P.Eng.
Senior Mechanical Engineer

HISTORY OF THE FIRM

KGS Group is an employee owned, multi-disciplined Engineering Consulting Firm, with its head office in Winnipeg and a branch office in Thunder Bay. Since KGS Group's incorporation in 1986, the Firm's client base has consistently grown in diverse market areas due to the experience and capabilities of the senior staff. In order to provide a high level of service to its clients, the Firm has always maintained a high percentage of experienced professionals amongst its employees. Associated companies include KGS

International Ltd., that undertakes international projects and K-Mac Projects Ltd., that undertakes design-build projects.

ENGINEERING DISCIPLINES/SERVICES

Structural/Civil

- Industrial/Commercial and Institutional Buildings
- Waterfront Developments
- Hydraulic Structures and Generating Stations
- Bridges
- Condition Assessments and Rehabilitation

Geotechnical/Geological

- Site Investigations for Soils and Bedrock
- Slope Stability/Riverbank Stability
- Water Retaining Structures
- Foundation Design
- Instrumentation/Monitoring
- Dam Safety Reviews/Inspections

Hydrogeology/Environmental

- Municipal and Industrial Landfills
- Hazardous Wastes
- Groundwater Supply Systems
- Environmental Licence Proposals/Permits Collection
- Environmental Impact Studies/Audits
- Contamination/Aquifer Remediation

Mechanical/Process

- Pulp and Paper Mills
- Sewage and Water Treatment
- Water Distribution
- Industrial Process Piping
- Food Processing
- Commercial/Industrial HVAC and Dust Collection
- Steel Mills

Hydraulics/Hydrology

- Fisheries Mitigation Studies
- Design of Hydraulic Structures
- Hydraulic Impact Assessments
- Hydrological Studies
- Hydroelectric Planning/Design
- Dam Safety Reviews
- Ice Engineering

Municipal

- Municipal Sewer and Water Systems
- Sewage and Water Treatment Systems
- Land Drainage
- Road and Pavement Design, Airport Runways
- Parking Facilities

Electrical/Controls

- Power Studies
- Power Distribution and Protection

- Instrumentation and Controls
- Lighting and Grounding System
- Energy Audits
- PLC & DCS Design and Programming
- Building Electrical Services

Building Science

- Building Envelope Evaluation
- Reserve Fund Studies
- Energy Audits/Indoor Air Quality
- Facilities Renewal/Maintenance Management

Construction/Project Management

- Contract Administration
- Quality Control
- Schedule/Cost Control

TYPICAL PROJECTS

Industrial

- Propellant Mixer, Bristol Aerospace Ltd., Stoney Mountain
- Canola Oil Refinery, CanAmera Foods, Harrowby, Manitoba
- Mill Expansion, Manitoba Rolling Mills, Selkirk, Manitoba
- Materials Handling Facility, Port of Churchill
- Grain Elevator Design-Build, Manitoba Pool Elevators, Letellier
- Cement Plant Conversion, Lafarge Canada Inc., Winnipeg
- Secondary Effluent Treatment Expansion, Boise Cascade Canada Ltd. (Stone-Consolidated), Fort Frances, Ontario
- Particleboard Plant, Palliser Furniture, Winnipeg
- Buffer Containment Model, AECL, Pinawa, Manitoba
- Feedwater Demineralizer, Boise Cascade Canada Ltd. (Stone-Consolidated), Fort Frances, Ontario
- Secondary Effluent Treatment, Pine Falls Paper Company, Pine Falls, Manitoba
- Environmental/Technical Laboratory, Boise Cascade Canada Ltd. (Stone-Consolidated), Fort Frances, Ontario
- Greenwood Mill Electrical Distribution Centre, Boise Cascade Canada Ltd. (Stone-Consolidated), Kenora, Ontario
- Federal Paper CoElectrostatic Precipitator, Environmental Elements, Baltimore, MD.
- Hazardous Waste Management Facility, Manitoba Hazardous Waste Management Corporation

Commercial/Institutional

- Z-Block Addition, St. Boniface General Hospital
- Building Envelope Study of Nine Winnipeg Swimming Pools
- Fort Frances Curling Club
- Southdale Community Centre, City of Winnipeg;

- Toronto Dominion Place, Winnipeg (Construction Quality Control)

TYPICAL PROJECTS (Continued)

Commercial/Institutional, continued:

- Split Lake School, Split Lake Manitoba
- Linear Accelerator, St. Boniface General Hospital

Geotechnical/Environmental/Municipal

- Phase I and II Site Assessments, CN Real Estate
- River Crossing and Hydrogeological Study Update, Centra Gas
- Landfill and Geotechnical Investigations, Pine Falls Paper Co., Pine Falls
- Environmental Review, Port of Churchill
- Hydrocarbon Contamination Investigation and Remediation, Manfor, Manitoba Environment
- Hazardous Waste Site Assessment Studies, Province of Manitoba
- Recycling study for City of Winnipeg
- Riverbank stabilization for City of Winnipeg and private clients
- Municipal and Industrial Landfills, City of Thunder Bay, City of Winnipeg and Boise Cascade Canada Ltd.
- Waste Management Studies - Fort Frances and Kenora, Ontario, Ministry of Natural Resources
- Groundwater Supply Development for Commercial and Municipal Use
- Assiniboine River Walkway, Deacon Reservoir, Wilkes Reservoir, City of Winnipeg

Municipal Infrastructure

- Dauphin Water Treatment Plant, Dauphin
- Municipal Airport Upgrading, Town of Deloraine
- "Portagescape" Streetscaping City of Winnipeg
- Asphalt Resurfacing, Concrete Streets and Thin Bituminous Overlay, Winnipeg
- Municipal Services, Goldeyes Stadium, Winnipeg
- Lac Brochet Water Treatment Plant and Distribution System
- Booster Pumping Stations, City of Brandon
- Water Storage Reservoir and Pumping Station, Village of Arborg
- Omands Creek Footbridge, City of Winnipeg
- Outfall Condition and Assessment Study, City of Winnipeg
- Assiniboine Riverwalk, City of Winnipeg
- Riverbank Truck Route, Boise Cascade Canada Ltd., Fort Frances, Ontario
- Main Street Bridge, City of Winnipeg
- Wilkes Reservoir, City of Winnipeg
- Waterfront Development, City of Thunder Bay
- Churchill Drive Subdivision, City of Thunder Bay
- Sewer and Water System, Town of Beausejour

Water Resources/Hydroelectric

- Hound Chute Spillway Rehabilitation, Ontario Hydro

- Snare Rapids Spillway, Northwest Territories Power, Yellowknife
- Kelsey G.S. Spillway Gate and Guide Rehabilitation, Manitoba Hydro
- Limestone Generating Station Spillway Gates, Manitoba Hydro
- Oldman River Spillway Gates, Alberta Environment
- Chamera II Radial Spillway Gates, Dominion Bridge, Quebec
- Lac Seul Dam, Major Dam Rehabilitation, Ontario Hydro
- Fish Passage Study - Red Rock Dam, Ontario Ministry of Natural Resources
- Flood Protection Study for City of Winnipeg, International Joint Commission
- Ste. Agathe Structure and Winnipeg Floodway Expansion Study, Province of Manitoba
- Decision Support System for Operation of Seine River Hydro System, Abitibi-Consolidated
- Flood Manual Preparation, City of Winnipeg
- Study of Habitat Mitigation Methods and Instream Flow Needs for Hydrotechnical Projects, Federal Department of Fisheries and Oceans
- Intake Gantry Crane, Ear Falls Generating Station, Ontario Hydro
- Sechelt Creek Generating Station, Conwest Development
- Powerhouse Rehabilitation, Spillway Rehabilitation, Turbine Base Repairs and Realignment, New Straflo Turbine Replacement, Pointe Du Bois Generating Station, Winnipeg Hydro
- Flood Control Adequacy Study, City of Winnipeg
- Spillway Gates and Stoplogs, Powerhouse Gate Guide Rehabilitation, Beauharnois Generating Station, Hydro Quebec