

SOLUTIONS FOR OIL SANDS

Headquartered in Geneva, the SGS Group is the world’s largest independent inspection, testing and verification organization, with over 65,000 professional staff in 140 countries. Our global coverage and multifaceted range of integrated technical solutions makes us unique. Impartiality, integrity and transparency are the ethical cornerstones that support all parts of our business thus providing you with bankable solutions that reduce your risk.

WHAT SETS SGS APART?

OUR PEOPLE

- Diversified
- Committed
- Depth of expertise
- Our independence

OUR INTEGRITY AND ETHICS

- Yearly training on strict code of ethics
- Publicly available documentation www.sgs.com/about_sgs/code_english
- Stringent HS&E programs



OUR QUALITY

- Lean program
- Superior level of QA/QC
- Global operational methods and standardization
- ISO certification audits and programs

OUR TECHNOLOGY

- Breadth of our technology
- High level of productivity
- Compliance and delivery
- IT and data service

SGS CANADA INC.

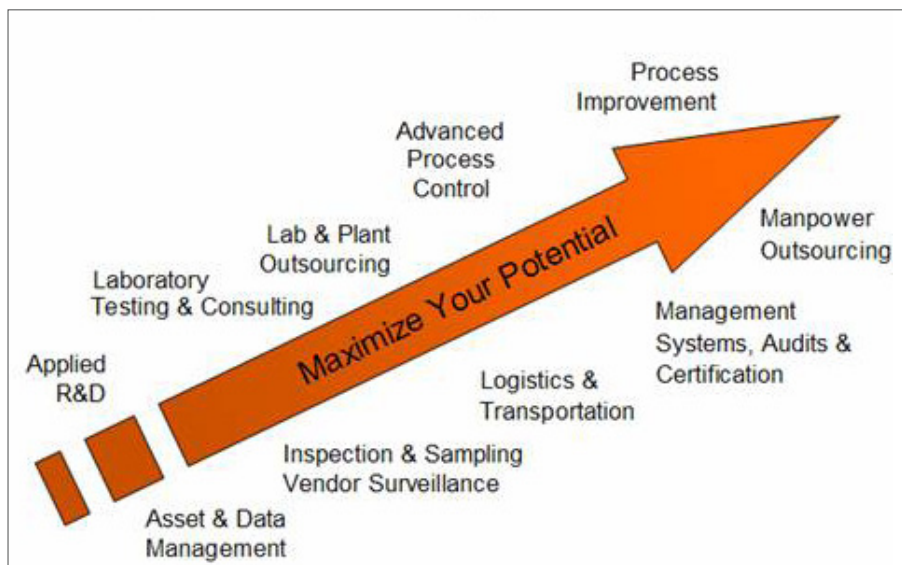
SGS has been active in Canada for over 65 years and serves the oil and gas, minerals, environmental, and industrial sectors with over 1600 employees in 40 locations. Using our combined expertise we provide you with the best solutions – ethically, safely, efficiently, on-budget and on-time.

HELPING YOU MEET YOUR CHALLENGES

RECOGNIZED PARTNERSHIP OPPORTUNITIES

SGS is well positioned to be a single source provider to the oil sands industry. Our solutions address the challenges in the oil sands industry – infrastructure development, pipeline development, extraction, production and upgrading technologies, long-term sustainable development and accountability. We bring proven expertise to these challenges.

Big projects have big challenges. SGS is a big partner with global expertise in a comprehensive range of technical disciplines. Together, we can work with you to overcome the challenges and grow a truly sustainable industry.



SGS is a Multifaceted Integrated Solution Provider



INDUSTRY CHALLENGES

- Costs and Infrastructure
- Construction cost & labor availability
- Supply & operating costs
- Pipelines and market development
- Pipelines and diluents
- Improved technologies
- Extraction, processing, upgrading
- Sustainable development
- Decrease GHG emissions
- Water usage
- Handle sulfur and coke byproducts
- Tailings and reclamation
- Accountability, transparency and third party verification

SGS BUSINESSES

- Costs and Infrastructure
- Technical Staffing Services, Oil Gas & Chemicals (OGC), Minerals, Industrial
- Pipelines and market development
- Industrial, OGC, Minerals
- Improved technologies
- Minerals, OGC
- Sustainable development
- Environmental, Climate Change, Minerals, Industrial, System Services Certification
- Accountability and transparency
- Environmental, Climate Change, System Services Certification



CHALLENGE: PROJECT MANAGEMENT & STAFFING

AVAILABILITY OF TECHNICAL AND PROFESSIONAL STAFF

Is your expansion limited by a lack of professionals?

SGS has been successfully recruiting employees and consultants in Canada for over 65 years and has the ability to recruit, support and retrain employees and consultants anywhere worldwide. Besides our 65, 000 direct employees we also have over 3,000 temporary staff and an extensive database of technical experts available to support construction, commissioning, quality reviews and operations. This ability to find and engage the required skills anywhere in the world and deploy, support and retain them where they are needed gives you the competitive advantage you require in today’s marketplace. Most importantly, our solutions are always tax and immigration compliant because our reputation and integrity demand nothing less. Services available:

- Recruitment of direct hire or temporary candidates
- Recruitment and/or consultant spend reporting
- University and aboriginal recruiting
- Transportation and logistics
- Medicals and/or substance testing
- New hire orientations and training
- Immigration and accommodation
- Payroll and insurance
- Manpower planning consulting



COSTS

IS START-UP PROHIBITIVELY EXPENSIVE?

SGS has the expertise to provide outsourcing of laboratory design and operation including:

- Needs analysis and design
- Third party laboratory management
- Equipment acquisition and/or outsourcing
- Quality assurance/quality control
- Health and safety systems

PROJECT AND LOGISTICS MANAGEMENT

SGS has the global presence to ensure projects are completed on time and budget, thus eliminating slippage in project and construction schedules. We can assess a vendor’s capabilities to meet your quality and delivery requirements and ensure that the procured material conforms to specifications. Services include:

- Vendor rating, vendor surveillance and factory acceptance tests (FATs)
- Supply chain services
- Material testing
- Product certification
- Construction and commissioning – engineering, technical support and physical inspection of workmanship

CHALLENGE: LONG-TERM SUSTAINABLE DEVELOPMENT

DO YOU HAVE CONCERNS REGARDING GREENHOUSE GASES, WATER USAGE, AND TAILINGS?

SGS has the expertise to provide integrated sustainable development services that fulfill operational and regulatory needs including:

- Analytical testing of a wide range of matrices
- Specialized testing of emissions and toxic materials
- Field applications
- Tailings operations and rehabilitation

CHALLENGE: ACCOUNTABILITY AND TRANSPARENCY

DO YOU WANT TO ENSURE HIGH STANDARDS OF ACCOUNTABILITY AND TRANSPARENCY TO MAINTAIN YOUR SOCIAL LICENSE TO OPERATE?

SGS can provide turnkey sampling, inspection, certification and verification services including:

- Third party verification and audits
- Global industrial inspections at place of fabrication or manufacture
- Independent product sampling and management
- ISO certification processes to 9000, 14000 and 17025 standards
- ISO GAP assessments
- Needs analysis for health, safety and environmental accreditations



CHALLENGE: IMPROVE EXTRACTION, PRODUCTION AND UPGRADING TECHNOLOGIES

DO YOU WANT TO IMPROVE YOUR EXTRACTION, PRODUCTION AND UPGRADING TECHNOLOGIES?

Both upstream and downstream technologies can be fine tuned to decrease operation and maintenance costs and increase bitumen recoveries. SGS has expertise to provide:

- Outsourcing of plant operation, optimization and troubleshooting
- Process modeling and distributed systems for automated process control
- Applied research and development at bench and pilot scale

CHALLENGE: PIPELINE DEVELOPMENT

ARE YOU EXPERIENCING LOGISTICAL AND TECHNICAL PIPELINE ISSUES?

SGS has the expertise to provide complete pipeline, plant terminal operation and transportation logistics services including:

- Product blending and additives
- Flow measurement and allocation modeling
- Product inspection, sampling and custody transfers
- Performance of measurement, calibration and inspection/maintenance activities
- Corrosion monitoring and testing
- Rheology assessment and flow optimization

SGS TURNKEY SOLUTIONS

SGS has the proven technical capabilities to provide industry-standard turnkey solutions for nearly every facet of your operation. We can provide you with immediate routine laboratory design, training, operation and maintenance and a depth and breadth of expertise in process, instrumentation and expert systems across many disciplines.

Benefits of dealing with the SGS Group:

- Comprehensive industrial technical expertise
- Industry-standard approach, best practices well documented and used
- Large mobile staff-base
- Operations on every continent and in every time zone
- Understanding of what is required to house and retain staff in isolated or rapidly developing areas
- Our integrity and strict code of ethics

SGS – SHORT AND LONG TERM SOLUTIONS FOR THE OGC INDUSTRY

SGS has long been a leader in bundling services for the global traditional petroleum market. Our primary goal is to provide industry leaders with operational and capital efficiency improvements. SGS' multifaceted global network of excellence has the experience and capability to provide integrated technical solutions tailored to the industry's needs.

CONTACT INFORMATION

Email us at minerals@sgs.com
www.sgs.com/mining

WHEN YOU NEED TO BE SURE

SGS