

BRITISH COLUMBIA OFFSHORE OIL AND GAS 2006 DIRECTORY

SERVING THE OFFSHORE INDUSTRY



British Columbia Offshore Oil and Gas Division

This Directory was prepared for the Offshore Technology Conference, May 2006, Houston, Texas. It lists BC based companies and organizations that participated in the BC Booth at OTC. Many of the companies profiled in this directory are working in the international offshore industry and are interested in working with you, both in British Columbia and abroad.



BRITISH COLUMBIA OFFSHORE OIL AND GAS 2006 DIRECTORY

SERVING THE OFFSHORE INDUSTRY



Message from Minister Neufeld

British Columbia is a remarkable place to live, work and play. We have incredible natural resources and significant energy opportunities. As Canada's gateway to the Pacific, we are strategically placed to reach key Asian and other growing marketplaces.

Our government has made significant strides in opening up B.C. for business and letting the world know we are here and ready to do business.

Offshore oil and gas is one of many potential economic opportunities for B.C. While a moratorium on offshore drilling still exists on the west coast of Canada, we continue to lobby the federal government of Canada to lift it. We are also putting money into research and teaming up with our universities to enable offshore exploration and development to occur in an environmentally responsible and scientifically sound fashion.

Another important resource is our people—their knowledge, skills and business acumen. B.C. has supplied products and services to the offshore industry around the globe for a number of years. The businesses in this directory are working in every part of the world, competing successfully in a highly technical and challenging industry.

I'm happy to provide you with this resource guide to introduce you to a number of exceptional B.C. companies working in the offshore industry.

Please take the time to visit the British Columbia booth at this conference. British Columbia is open for business and I look forward to developing long-term relationships with you in this industry.

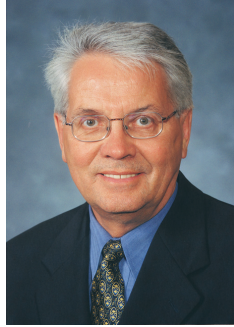
For more information on our offshore program please visit our Web site at:

www.offshoreoilandgas.gov.bc.ca

Sincerely,



Richard Neufeld
Minister of Energy, Mines and Petroleum Resources
Province of British Columbia



Message from Ocean Industries BC

On behalf of the membership of Ocean Industries British Columbia I welcome you to OTC 2006 and our booth. We invite you to look around and ask questions about many Ocean Industry opportunities that British Columbia has to offer. The people of British Columbia are proud of their ocean heritage and the industries we represent remain dedicated to protecting that heritage.

Ocean industries in British Columbia have a history of being broad based and well diversified. They continue to offer their services around the world, and continue to develop and grow as new opportunities present themselves.

Ocean Industries British Columbia is the only broad based organization promoting all facets of our marine related industries. We are proud of the many accomplishments of our membership and we look forward to introducing them to you.

Please visit our Web site:
www.oceanindustries.ca

Sincerely,



W.J. Belsey
Chair
Ocean Industries BC



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ASL Environmental Sciences Inc.



Physical oceanographic products and services for the offshore oil and gas industry

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Ice measurements in
Cook Inlet, Alaska

For over 28 years, often under demanding environmental conditions, **ASL Environmental Sciences** has carried out over 560 projects in the Arctic, Atlantic and Pacific Oceans.

Our services include:

Field Measurement Programs
Tidal Analysis & Predictions
Environmental Impact
Assessment and Monitoring
Extremal Analysis
Numerical Modelling
Ice Data Gathering and
Analysis
Wave Measurement
Tactical Ice Forecasting
Remote Sensing

Our products include:

Ice Profiler
Water Column Profiler
Image Recorder for
Imagenex Sonar

* Extensive Lease Pool of
Oceanographic Equipment

Our latest projects include measurements of ice, currents, and waves in:

Atlantic Ocean, Trinidad (currents)
Cook Inlet, Alaska, USA (ice, currents)
Equatorial Guinea, Africa (currents & waves)
Pechora Sea, Russia (ice, currents, waves)
Caspian Sea, Kazakhstan (ice, currents, waves)
Sakhalin Island, Russia (ice, currents, waves)
Beaufort Sea, Canada (land-fast ice movement studies)

Advanced Subsea Services Ltd.



Commercial Diving – ROV Services
Ocean Technology Support Services

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Coded wetwelder/
diver repairing marine
structure

Advanced Subsea Services Ltd. is western Canada's most innovative and resourceful commercial diving, personnel and R.O.V. supply company. In our commitment to meeting our clients' needs, we are dedicated to the highest standards of technical proficiency, marine safety, environmental awareness and professionalism.

Advanced Subsea's global experience comes from working throughout Canada and offshore in such diverse environments as Hibernia, Sable Island, Russia, the Caspian Sea, China, Japan, India, Thailand, Indonesia, Straits of Malacca and the South China Sea.

Advanced Subsea provides a range of services to the civil and offshore marine industries, including vessel maintenance, port and vessel security inspections, oil and gas platform support, pipeline and cable lay support and protection, subsea construction, coded wet welding, marine salvage, trenching, shoreline and structure erosion control and protection. Our diving capabilities include surface-supplied, air-mixed gas and saturation diving. Our ROV capabilities include both light observation and work-class ROV services. We also offer barge/crane services and project planning and logistic support.

Our website www.advancedsubsea.com will give you a sense of our capabilities and our resources.

Aker Yards Marine Inc.

Naval Architects & Marine Engineers



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Ron Pearson, Manager

Aker Yards Marine Inc., a subsidiary of the Aker Yards shipbuilding group, employs a total of thirty people in Houston, Texas and Vancouver, British Columbia, offering more than 20 years of innovative ship design experience to the offshore oil and gas industry.

Our experience with linear static, non-linear and dynamic FEA has been applied to the design of offshore structures including platforms and LNG containment facilities. Our expanded capabilities in computational fluid dynamics (CFD), have provided our clients with a cost-effective means of analyzing and solving complex fluid flow problems.

Recent examples of Aker Yards Marine's involvement in the offshore market include: design of a series of offshore support vessels for Eastern Shipbuilding; concept development for a semi-submersible construction support vessel (shown above); development of a new LNG containment system for shipboard applications; support of Aker Kvaerner during Blind Faith pre-FEED studies; assisting Aker Yards Project (AYP) of Norway in the development of their new generation of offshore vessels for the North Sea and Brazilian markets.

Autoship Systems Corporation



Market Leader in Marine CAD/CAM,
On-Board Stability and Strength
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Systems

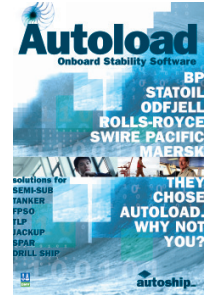
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Autoship Systems Corporation (ASC) provides leading-edge CAD/CAM software for vessel design and construction, and customized load planning solutions called *Autoload*®.

Autoload accepts both automatic and manual data input for tank levels, SCR loads, etc. The program reports vessel condition and performs data tracking. Improve your cargo handling efficiency and vessel stability control with *Autoload*.

Jim Rohr and Associates, LLC, (JRA), located in Houston, Texas, is an authorized Dealer of ASC software and services. JRA is a leader in the development of advanced stability solutions. Some clients include BP, Shell, BMT-SMS, and Kongsberg Simrad.

JRA serves business, offshore oil and gas, and various shipping market interests in the GOM, Africa, South America and Asia.



BMT Fleet Technology Limited



BMT Fleet Technology Limited

Engineering with Vision

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BMT Fleet Technology Limited (BMT) performs applied research and development and engineering, consulting and design in support of the marine and energy industries. The company operates offices in British Columbia, Alberta and Ontario. BMT Fleet Technology is part of the BMT group of companies, a leading, multi-disciplinary engineering and technology consultancy with offices around the world.

BMT provides engineering design services ranging from concept and feasibility studies through to production engineering. The company also acts in a "customer friend" role in construction oversight and delivery of assets.

BMT Fleet Technology's services to the offshore industry include risk assessment, operational and emergency simulation, supply and support vessel design and structural and hydrodynamic analysis. The company has particular expertise related to environmentally challenging areas, ranging from the Canadian Grand Banks to the Caspian Sea.

BMT maintains a fully equipped materials testing laboratory and provides reliability and integrity services to both the onshore and offshore pipeline operators. The company is CWB certified and develops advanced welding procedures and fabrication techniques to optimize quality and production.



Barrodale Computing Services Ltd.



At BCS we let the actual tasks that our clients are trying to accomplish guide our solutions, rather than producing software that dictates how clients can perform their work.

PO Box 3075 STN CSC
Victoria, British Columbia
Canada V8W 3W2

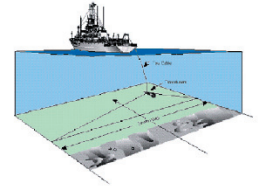
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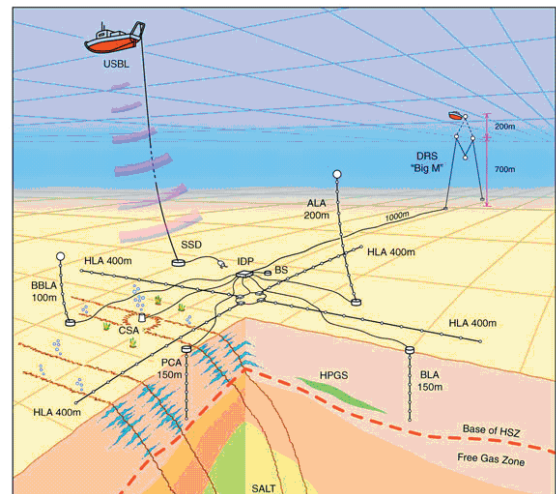
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BCS has been providing software solutions for offshore technology since 1978. We are currently assisting the University of Mississippi in their development of a multi-sensor Seafloor Observatory in the Gulf of Mexico. BCS has designed a data management and archiving system for the Observatory, and is developing processing software for its hydrophone array data. This will provide both a data repository and a means of detecting changes in the sub-bottom gas hydrate deposits.



Hydrates Sea Floor Observatory – Gulf of Mexico

Blake, Cassels & Graydon LLP

**BLAKE,
CASSELS &
GRAYDON LLP**
BARRISTERS & SOLICITORS

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Blakes is a leading Canadian business law firm with over 500 lawyers in offices across Canada and in New York, Chicago, London, and Beijing. Serving a diverse national and international client base, Blakes provides a full spectrum of capabilities in virtually every area of business law.

Blakes energy law practice provides expert legal advice and services associated with all aspects of the energy industry including: mergers and acquisitions, property acquisitions and divestitures, and regulatory matters related to onshore and offshore exploration and development of petroleum and natural gas assets, title and lease issues, green energy development, joint venture arrangements, major facility and infrastructure projects, co-ownership and operational issues.

Blakes is regularly retained to prepare purchase agreements, carry out due diligence, review title, give advice on structuring, taxation, competition, regulatory, environmental and aboriginal issues, and negotiate industry agreements including operating, farmout and royalty agreements, joint venture agreements, facility construction, ownership and operation agreements, gathering and processing agreements, and storage and transportation agreements.

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EBA Engineering (EBA) provides a range of engineering and scientific consulting services to Oil and Gas clients in both domestic and foreign markets.

EBA has pioneered innovative solutions to the challenges of the oil and gas industry for over 30 years. From early work on pipelines and roads, to the latest technology advances, in extreme climatic and terrain conditions in Arctic regions, we have built an international reputation for creative, practical approaches to oil and gas engineering projects. Our experience includes site investigation and foundation design development for North America's arctic offshore exploration and production facilities. We also specialize in oceanographic studies, coastal and marine engineering and environmental impact assessment for marine facilities.

EBA, in 2006, celebrates its 40th anniversary and has a staff of more than 550 engineers, scientists, technologists, and support personnel situated in offices across Western and Northern Canada.



Foundex Explorations Ltd.



A world class provider of offshore geotechnical services to the consulting and oil industries

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Vice President of Operations

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Foundex Explorations Ltd. has been providing offshore geotechnical drilling services since 1981. From the arctic to the tropics our highly experienced personnel and specialized equipment have demonstrated our ability to successfully complete a wide range of challenging projects.

We offer our clients state of the art in situ testing capabilities including wireline CPT, vane and sampling systems for water depths up to 200 metres and conventional offshore systems for shallower water applications.

We are committed to continuing the development of innovative drilling solutions to better serve our global clients.

Fraser Milner Casgrain LLP



FRASER MILNER CASGRAIN LLP

Fraser Milner Casgrain LLP is one of Canada's leading business law firms. With over 500 lawyers in six Canadian offices - in Montréal, Ottawa, Toronto, Edmonton, Calgary and Vancouver - FMC is a national firm with strengths in each of the country's key business centres.

Fraser Milner Casgrain is a key player in all legal aspects of Canada's energy sector. Members of the firm have been involved in the drafting of legislation and regulation on behalf of provincial and federal governments, the preparation of specific regulatory instruments on behalf of regulatory agencies, and have appeared before every energy regulatory agency in Canada including the National Energy Board, the Canada-Newfoundland Offshore and the Canada-Nova Scotia Offshore Petroleum Board.

FMC has provided advice on the development of offshore oil & gas projects including preparing a sustainable framework for investment in, and development of, gas exploration, production, shipping, storage, marketing and retailing of oil & gas originating offshore.

For more information on FMC's energy experience, please visit our website at www.fmc-law.com or contact:

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French Creek Boat Sales Ltd.



International Boat Brokers

Our team of professionals is committed to providing a network of consulting, marketing and sales initiatives to meet the needs of our clients

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French Creek Boat Sales Ltd. the largest commercial vessel brokerage on the West Coast of Canada has direct global contact and strategic alliances with industry experts, on location and supply of:

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- * Offshore Anchor Angling
- * Drilling Equipment
- * Jack up vessels
- * Ocean going Tugs & Barges
- * Modular Components
- * Offshore Exploration & Equipment
- * Accommodation modules & barges
- * Production Equipment
- * Patrol & Rescue Vessels
- * Research Vessels & Subs
- * Shipyard liaison for new builds

Our staff has a full range of experience in marine transportation. With our unique understanding of marine service, we can assist you in acquiring your exact needs, whether leasing or buying.

InDepth Marine Ltd.



InDepth Marine

*Control/Monitoring Systems
Tooling Skids
ROV Personnel*

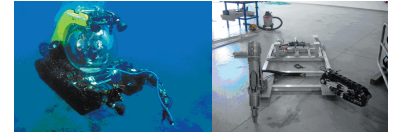
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Tim Bulman

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tim@indepthmarine.ca

www.indepthmarine.ca



Control Systems:

InDepth Marine Ltd. builds PLC based control systems for new and upgrading ROVs and manned submersibles. We can design new systems for ROVs of any size. We recently replaced the entire control systems in the pair of Deep Rover manned submersibles.

Tooling Skids:

We can build control schemes for tooling skids to interface with ROV systems through existing copper and/or fiber optic umbilical. Tell us what tools and sensors you want interfaced, and we can manufacture it onto your existing equipment. We have added manipulators, HPUs, torque tools, CP probes, and many other pieces of gear onto older ROVs, for a fraction of the cost of replacing the ROV or umbilical.

Personnel:

We can provide experienced ROV people to run your job, or augment crews as necessary.

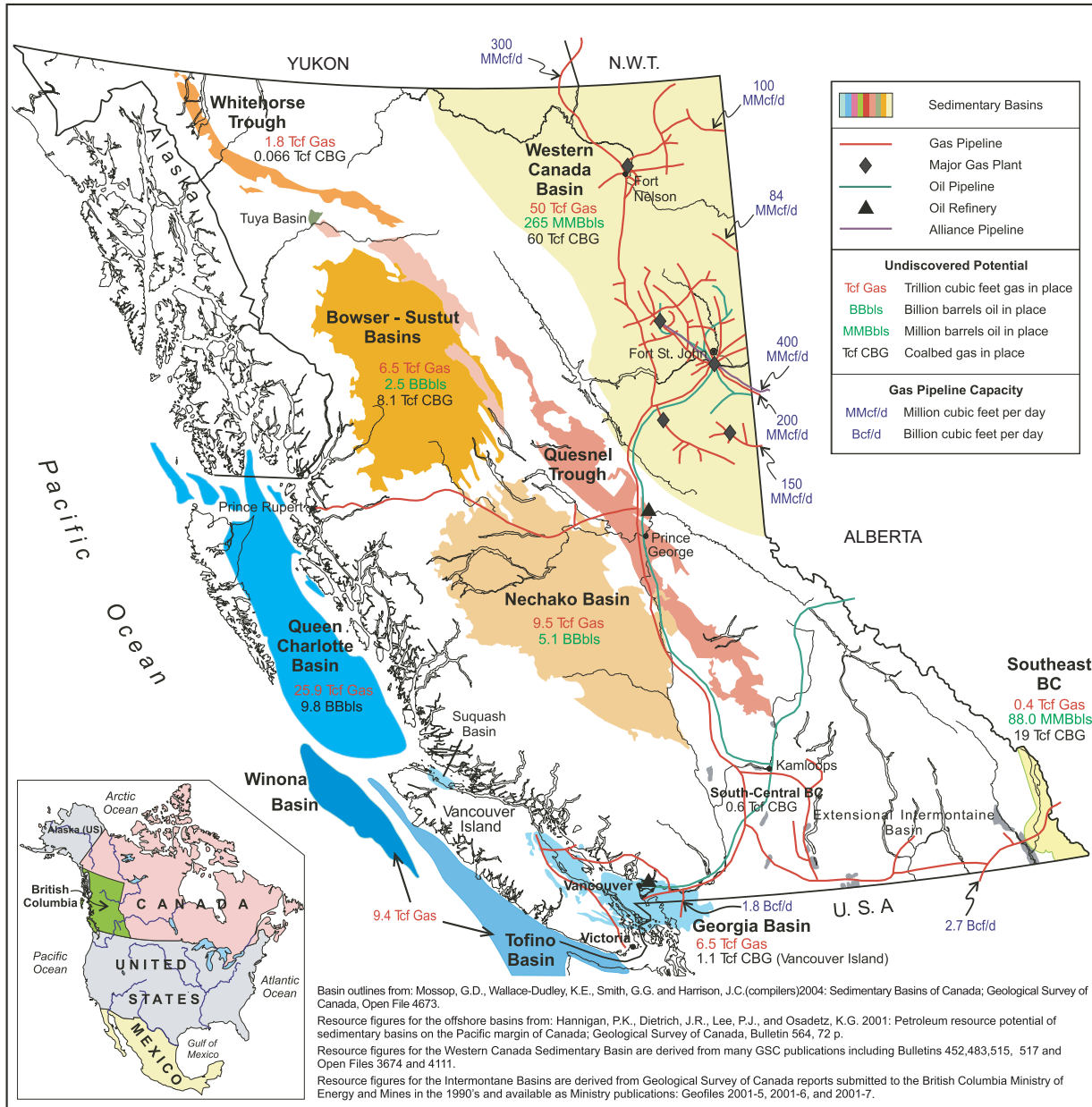
Other:

ROV repair and maintenance, control systems, power distribution systems, high definition video distribution, fiber optics, and hydraulics. We have extremely cost effective methods for replacing copper based systems with fiber optics to 10,000 psi.

Although we specialize in ROV systems, we work on PLC process control systems for topside equipment and plants as well. Please give us a call for more information.

Opening Up British Columbia – Serving the Offshore Industry

British Columbia Oil and Gas Resources



JASCO Research Ltd.

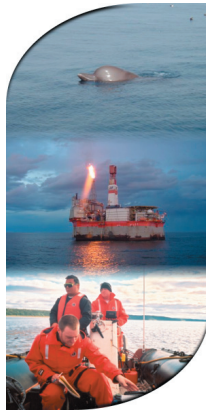


Environmental Acoustics Services

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JASCO Research Ltd. provides leading edge acoustics consulting services worldwide to industry, government agencies and the environmental community. We specialize in underwater and atmospheric noise and vibration modelling and monitoring, and associated research and development.

OIL & GAS SERVICES:

Acoustic Modelling (Noise Prediction)

- Seismic Exploration
- Construction / Installation of Platforms, Pipelines and Related Facilities
- Drilling and Operations
- Vessel, Aircraft and Vehicle Activities
- Decommissioning and Removal of Obsolete Structures

Acoustic Monitoring (Noise Management)

- Noise Monitoring Programs
- Marine Mammal Detection Using Towed Arrays

Research & Development

- Marine Operations Noise Model
- Source Models (Source Level Prediction)
- Atmospheric Noise Propagation Model
- Airgun Array Noise Models
- Passive Acoustic Monitoring Systems (Towed Array)

K.T. Industrial Development Society

The K.T. Industrial Development Society supports industrial and economic development within the region of Kitimat and Terrace

K.T. Industrial Development Society

Phone: 1-250-639-9614
ktids@telus.net



Kitimat Harbour

The region is home to a significant land base that has infrastructure available for industrial and secondary manufacturing.

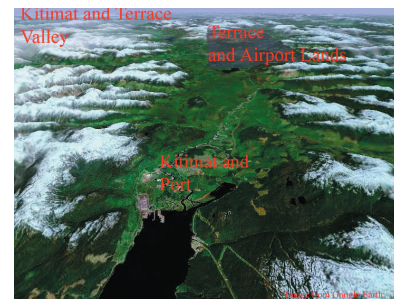


Terrace Airport Lands

Shipping can be made easy with rail and road to tidal water. The port is ice free all year. Industrial suppliers and support is located right in the region.

The Port is suitable for importing and exporting petrochemical, forestry and other break bulk and bulk products.

One of North America's Closest Shipping Ports to the Asian Market



Contact the **K.T. Industrial Development Society** for more information.

LGL Limited



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LGL Limited provides state-of-the-art ecological research, biological and GIS services for oil and gas exploration, development and production companies. Operating for over 30 years, we have successfully designed and conducted leading-edge multinational Environmental Assessments (EAs) and monitoring programs for nearshore, offshore and land-based developments including seismic exploration and drilling.

LGL's biological experts for oil and gas projects have contributed to nearly 100 multinational EAs in the US, Canada, and Russia. Some of these include the Arctic pipelines; White Rose, Terra Nova and Hibernia on the Grand Banks; Buccaneer, Pompano and Holstein in the Gulf of Mexico and Sakhalin in the Sea of Okhotsk.

An international leader in monitoring the effects of noise on marine animals, LGL offers seismic operators unique expertise gained through years of evaluating the effects of industrial disturbance on marine mammals and fish in the world's oceans.

LGL has contributed to Environmental Assessments for several major oil spills, including the North Pacific Ocean (Nestucca, Valdez) and was a major partner in developing an acclaimed Oil Spill Response Information System in Canada for the Arctic Coast and British Columbia.

MI Swaco



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Judy Matkaluk

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We are a worldwide company representing a broad array of businesses involved in drilling, reservoir drill-in and completion fluids and services for the petroleum industry; solving the problems of deepwater drilling, solids-control equipment and environmental services; and separation and screening products and services for the municipal and industrial markets.

Staffed with self-starting, multi-talented people in 210 locations in 50 countries, we help our customers around the world through locally operated, affiliated companies. These **MI Swaco** companies have the financial and technical support of the entire MI Swaco organization behind them. Our strong local presence gives customers an added degree of reassurance that we understand the region, its economics and its petroleum market. MI Swaco is committed to training and employing the people of the region.

As a company involved in the activity of helping to extract natural resources from the earth, we have an obligation to protect everyone and everything involved in the process. To ensure this is done, MI Swaco has a formal, company-wide Health, Safety and Environmental (HSE) program. Result is to *protect our customers, our people and the world around us.*

McElhanney Consulting Services Ltd.



With over 90 years of experience, we bring together engineering, surveying and mapping to deliver a seamless service to our clients

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Operating from our head office in Vancouver and 11 regional offices throughout British Columbia and Alberta, including Prince Rupert, Nanaimo, Courtenay and Campbell River, **McElhanney** has provided integrated surveying, mapping and engineering services to the resource industry since 1910.

Marine survey services in support of exploration and resource development have been provided in the Arctic, on the west and east coasts of Canada, the Gulf of Mexico, and South East Asia.

McElhanney provides survey, engineering and mapping services in:

- Offshore positioning and navigation
- Offshore lease surveys
- Pipeline and cable route surveys
- Topographic and construction surveys
- Port infrastructure design
- Hydrographic charting
- Airborne and satellite imagery/mapping
- Transportation, structural and municipal engineering
- Water resources engineering

Nausch Hogan & Murray (West) Inc.



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Nausch Hogan & Murray Inc. specializes in the placement of Property, Liability, Marine & Reinsurance risks through our network of offices located in New York, London, Rotterdam, St. Thomas, Miami, Rio de Janeiro, Singapore and Vancouver.

Founded 30 years ago in New York, we are licensed in most US states, Canada, The Netherlands and the US Virgin Islands and are an approved Lloyd's Broker in London with direct access to the Syndicates at Lloyd's, as well as the Institute of London Underwriters.

We are renowned for our expertise in Marine Insurance including Hull, Cargo, Builder's Risk, Marine Liability, Long Shore & Harbour Workers and Jones Act Compensation coverage. We also have extensive experience in subsurface communication and power cable projects.

Our experienced staff of Insurance professionals, Engineers, Accountants and Marine Officers is the basis upon which we have developed our worldwide reputation as experts in providing innovative solutions for sophisticated insurance problems.

Nuytco Research Limited



Nuytco Research Limited is a world leader in the development and operation of atmospheric diving systems and specialized undersea technology

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Nuytco Research Ltd. designs, builds, and operates atmospheric diving suits, submersibles, remotely operated vehicles, HMI lights (200W, 600W and 1200W) and specialty equipment for underwater applications.

Nuytco's 'DeepWorker' series of 2000' depth-rated, one- or two-person micro submersibles have been used all over the world for scientific, survey, construction, salvage, oilfield, tourism, film and photographic work.

Nuytco's latest project has been the atmospheric diving system (ADS) 'Exosuit' – a light weight, free-swimming one atmosphere suit.

Whether for scientific research, commercial diving projects or for movie work, Nuytco offers state of the art diving technology and services with a reputation solidly built on underwater innovation and satisfied customers.

Pelican Software Inc.



Providing scalable pipeyard inventory management software for the OCTG industry

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Pelican Software Inc. provides database-process control software to streamline the inventory, invoice, dispatch, and inspection process for pipe and tubing joints for pipeyards across the oil patch. **Tallys!** is in use at over 90% of the pipeyards in the Canadian oil patch, as well as at a number of large international onshore and offshore drilling enterprises.

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Kitimat is Western Canada's Coastal Energy Hub handling LNG, ethane, propane, butane, condensate and petroleum. Current energy investment is in the billions for terminals, tankfarms and pipelines.

The deep-sea harbour (54°N 128°41'W) nestles at the mouth of the Kitimat Valley; remarkably, one of only two wide flat valleys on the Pacific Coast of Canada.

Designed by industry for industry and international trade, Kitimat is surrounded by virgin oil and gas basins. When these are developed, Kitimat has room for a coastal refinery sector-serving the Pacific Rim. We are ready whenever refiners need a new global location.

Adjacent BC's offshore oil and gas reserves, Kitimat is the industrial trade and supply port of choice.

- Industrial-based economy and labour force.
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Robert Allan Ltd. is a 75-year old company that provides consulting services to the Offshore Industry. Projects include the design of major towing, anchor-handling (AHTS), and supply vessels, seismic vessel conversions, work barges, caisson stability analysis, pipeline risk assessment studies, module transportation studies, and FSO conversions. The company specializes in designs for unique operating environments, including ice covered or extreme shallow draft regions.

Robert Allan Ltd. staff are experienced in many aspects of offshore operations, and relate that understanding into our design projects. An extensive suite of software enables the staff to perform structural Finite Element Analyses, stability and ship performance calculations.

Robert Allan Ltd. project capabilities include:

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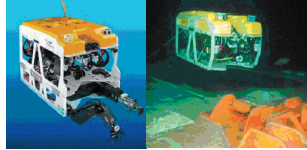


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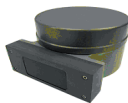
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Sandwell provides engineering services in the marine and offshore industries including specialist expertise in cold regions. Recent offshore work includes the two major projects off Sakhalin Island in the Russian Far East with continuing work in the Russian arctic. Developing work in ice covered waters includes the development of floating structures for drilling and production.

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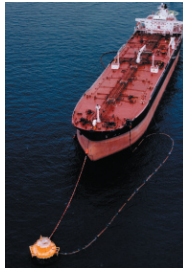
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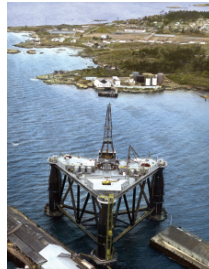
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SEDCO 135-F semi-submersible drilling rig; photo courtesy of Shell Canada Limited

Ocean Industries BC is an industry association that ensures international participants in British Columbia's ocean industries are fully informed regarding the supply capabilities of British Columbia businesses. Ocean Industries BC helps British Columbia businesses become fully prepared to capitalize on all supply and procurement opportunities. OIBC is the main spokesman for the British Columbia ocean industries in discussions with governments and international ocean industry participants.

Ocean Industries BC promotes the responsible development of British Columbia's ocean industries. OIBC works to ensure that the people and businesses of British Columbia obtain the maximum possible benefits from the opportunities presented by the development of ocean industries on the Pacific Coast.

We encourage and support communication, coordination and developing synergies within the province's ocean industries. OIBC also assists British Columbia businesses to prepare for participation in the economic opportunities that will become available as British Columbia's emerging ocean industries are created and grow.



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BC Innovation Council is the province's lead organization supporting applied research and commercialization of science and technology to foster province-wide economic development.

A Crown Agency of the Province of British Columbia, BC Innovation Council serves as a one-stop point of access and support to companies, educational institutions, technology industry and awareness groups, federal science and technology agencies, and university research labs.

The BC Innovation Council encourages innovation in the province's maritime economy by supporting working groups overseeing ocean technology development in areas such as deep ocean science and remote sensing, maritime and port security, renewable ocean energy systems, aquaculture science and offshore oil and gas. These groups share the goal of developing technological tools and expertise to enhance sustainable coastal communities and generating wealth for British Columbians by providing the technology-based goods and services to customers around the world.

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On the Cover

Front Cover, Back Cover-left:

The SEDCO 135-F semi-submersible drilling rig. The rig was constructed for Southeastern Commonwealth Drilling Limited by Victoria Machinery Depot in Victoria, B.C., between 1965 and 1967. At the time of its launch the vessel was the largest offshore drilling rig in the world. It was leased to Shell Canada Limited between 1967 and 1969 during which time it was used to drill fourteen exploratory wells in the offshore Queen Charlotte and Tofino Basins. Photographs courtesy of Shell Canada Limited.

Back Cover-right:

The Canadian built JOIDES Resolution riserless drillship. The Joides was converted from an oil exploration vessel to a scientific research vessel for the Ocean Drilling Program in 1985. It has drilled over 1800 holes in all of the world's seas, including Saanich Inlet in 1996. Photo taken in Victoria Harbour in 2005 following a drilling leg to study gas hydrates off the west coast of Vancouver Island.