

THE MARIPORT GROUP LTD.

REPRESENTATIVE PROJECTS IN OIL, CHEMICALS AND GASES

Trafficability Study – Navarin Basin¹

Analyzed options for the shipment of crude oil from a deep water well in icing conditions. Prepared cost analyses and transshipment options for conventional, ice strengthened and ice breaking tankers and tug/barge systems.

Canadian Atlantic & Great Lakes Oil Trades

Produced a detailed analysis of Crude and product trades within the Canadian Atlantic, Gulf of St. Lawrence and Great Lakes on behalf of a US oil company. Analyzed the existing fleet and costs of purchase, conversion or newbuilding for suitable vessels for Canadian Trade.

Delivery of Oil to Proposed Power Station in Ghana²

Provided a preliminary analysis of sourcing and delivery costs to proposed new Gas Turbine power station in Ghana. Recommended a review of oil specifications to permit cost reductions. Recommended import of the oil by an offshore SPM.

Marine Emergencies Manuals

On behalf of the principal Canadian Arctic inland waters carrier, rewrote their Marine Emergencies Manuals, including extensive site visits. This work included: shipboard manuals, establishment of a management crisis team and methods for dealing with a marine emergency. These manuals were later updated and expanded. Also prepared a draft Marine Emergency Plan for Canadian Shipowners Association for the Great Lakes region.

Double Hull Tanker Shipbuilding Project

On behalf of a US shipyard proposing to bid on a new class of coastal double hull tankers:

- Identified offshore yards for technology transfer
- Reviewed US yard capability
- Reviewed the project and means of responding

Shipment of LNG From Iran to USEC¹

Undertook a comprehensive costing exercise for a proposed movement of LNG from Iran to the US East Coast. The analysis included capital and operating cost calculations for different containment systems, shipyards and financing options.

US Coastwise Tanker Trades¹

On behalf of a US oil major, analyzed the US coastwise oil trades and provided quarterly projections of tanker supply and demand. Developed a predictive model for rate forecasting that generated forward rates with a good degree of accuracy.

Arctic Oil Supply and Vessel Acquisition²

On behalf of a major player in Canadian Arctic resupply, analyzed costs and opportunities for oil resupply to the Canadian Arctic. Assisted in putting together the winning bid and in implementing the oil supply and tanker chartering scenarios.

¹ Projects undertaken by Mariport principals prior to formation of the company.

² Work undertaken jointly with other consultants.

ATB Market Analysis

For a company planning to build a new dual purpose ATB, analysed the Canadian clean products trades with a specific emphasis on cargo opportunities under 10,000 tonnes.

Arctic Tanker Operations Manual

For a carrier of resupply fuel to the Eastern Arctic, prepared a comprehensive operations manual for chartered tankers. The manual covered all activities, from on-hire to off-hire including spill contingency planning during transit and community transfer, which is primarily by floater hose with the vessel anchored off-shore.

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EXPERTISE IN OIL, CHEMICALS AND GASES

Mariport's principal has considerable experience in the oil and chemicals trade extending over many years. This experience covers trade and economics as well as practical operational matters.

Costing expertise covers newbuilding, resale market, charter and voyage markets, and cost of operation under different jurisdictions.

Operational experience covers all matters from insurance, contracts, trading, regulations, and arbitration to physically administering shipyard work and negotiating accounts.

Mariport has undertaken many trade and forecasting studies as well as the economics of shipping oil and products in a range of tanker types, including tug/barge systems.

Work has covered chemicals & products trades as well as crude oil, natural gas (as LNG) and pressurized gases (LPG's).

Operating experience was most recently with a tug and integrated 21,500 dwt tank barge trading Caribbean/US Gulf and East Coasts/Canada over a 15-month period.

Entities for whom oil, and related studies have been undertaken include:

Acres International	Government of Nova Scotia
Alaska Petrochemical	Hamersley Iron
American Energy	IMODCO
Bender Ship Building	Lexmar Corporation
Canadian Coast Guard	Mobil Oil
Diamond Shamrock	Navios Corporation
El Paso Natural Gas	Northern Transportation Co. Ltd.
Exxon Chemical	Philipp Bros.
Getty Oil	Suncor
Ghana Oil Co. Ltd.	Transport Canada-Shipping
Guam Oil & Refining	Policy
Gulf Oil & Trading	Tri-Ocean