

# THE MARIPORT GROUP LTD.

## REPRESENTATIVE PROJECTS IN THE PACIFIC REGION

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### **Application of Tug–Barge Systems to Grain Handling in South Australia**

Undertook a detailed analysis into the operational and economic feasibility of using self-unload tug–barge units to lighter grain to deep sea vessels. Also analyzed transshipment by the TBU's to one or two deep draft ports from five or six shallower ports in South Australia.

### **Passenger Ferry Service Pusan - Yeosu (South Korea)<sup>1</sup>**

On behalf of the operator, undertook a thorough review of existing hydrofoil operations and made recommendations relative to new vessels to upgrade their existing service. Also outlined data collection needs to enable the company to undertake a market study.

### **Bougainville Copper Mine - (Papua New Guinea)<sup>1</sup>**

Investigated the total inbound logistics for one of the largest open pit copper mines in the world. Analyzed costs and management support at the mine and in Japan, U.S.A., Canada and Australia. This analysis covered all mine support materials including foodstuffs.

### **Analysis of Hong Kong Cement Berth<sup>1</sup>**

On behalf of Kaiser International, undertook an analysis of a proposed berth for Hong Kong Cement that was required to handle inbound and outbound commodities. Proposed solutions to minimize congestion problems and demurrage costs.

### **World Bulk Trades Review - (Australia)<sup>1</sup>**

As part of an 11-year retainer to a major Australian ore shipper, reviewed world bulk trades, with particular reference to the balance between Atlantic and Pacific basins in the dry and liquid bulk trades. Keynote papers were written at regular intervals on different major and minor bulk trades and ship size groups.

### **Transportation Analysis - Yangtze River - (People's Republic of China)<sup>1</sup>**

Analysed traffic, costs and capacity between Wuhan and Chonqing. Designed a specialized river navigation model to determine the current upbound and downbound capacity of the river, principally in the Three Gorges area. Modified the model to permit analysis of disruption during the construction of the Three Gorges Dam, and the impact of ship lifts and locks following completion.

### **LNG Vessel Operations and Costs<sup>1</sup>**

For a major Australian company provided input values to in-house model designed to model LNG shipping projects.

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<sup>1</sup> Undertaken wholly, or in part, by Mariport principals prior to formation of company.

### **Ocean Shipping Study for Major Automobile Manufacturer<sup>1</sup>**

As part of a worldwide study of company shipments of built up, CKD vehicles and parts analysed their Pacific shipments. The analysis covered movements of parts, body and transmission components, and engines, with particular reference to unitised transport systems that could be taken directly to the assembly line.

### **Self-Unloader Collier Cost Estimates<sup>1</sup>**

For a major oil company developing coal reserves in S.E. Asia, provided a comparative cost analysis for conventional bulkers and self-unloaders on a number of regional and long haul trades.

### **Acquisition of Scrap Carrying Vessel<sup>1</sup>**

For an Australian shipping company, reviewed the market for small vessels suitable for regional scrap trades.

### **Bauxite Shipment from Australia<sup>1</sup>**

For a major Australian shipper, analysed relative costs for conventional, shallow draft, coal fired and energy efficient vessels for European and Australian deliveries of bauxite. Review included an analysis of specific vessel size groups and charter positions.

### **Concentrate Shipments from Australia**

For a proposed new concentrate movement, worked with one of the bidders to develop a transshipment concept that was cost effective within existing draft constraints, and eliminated environmental risk due to product spillage.

### **Strategic Review of Marine Transportation**

For a major cement producer in Australia, undertook an in-depth review of marine transportation operation, costs and contracts. Recommended several areas of improvement that could reduce costs and enhance company oversight. These are being implemented.