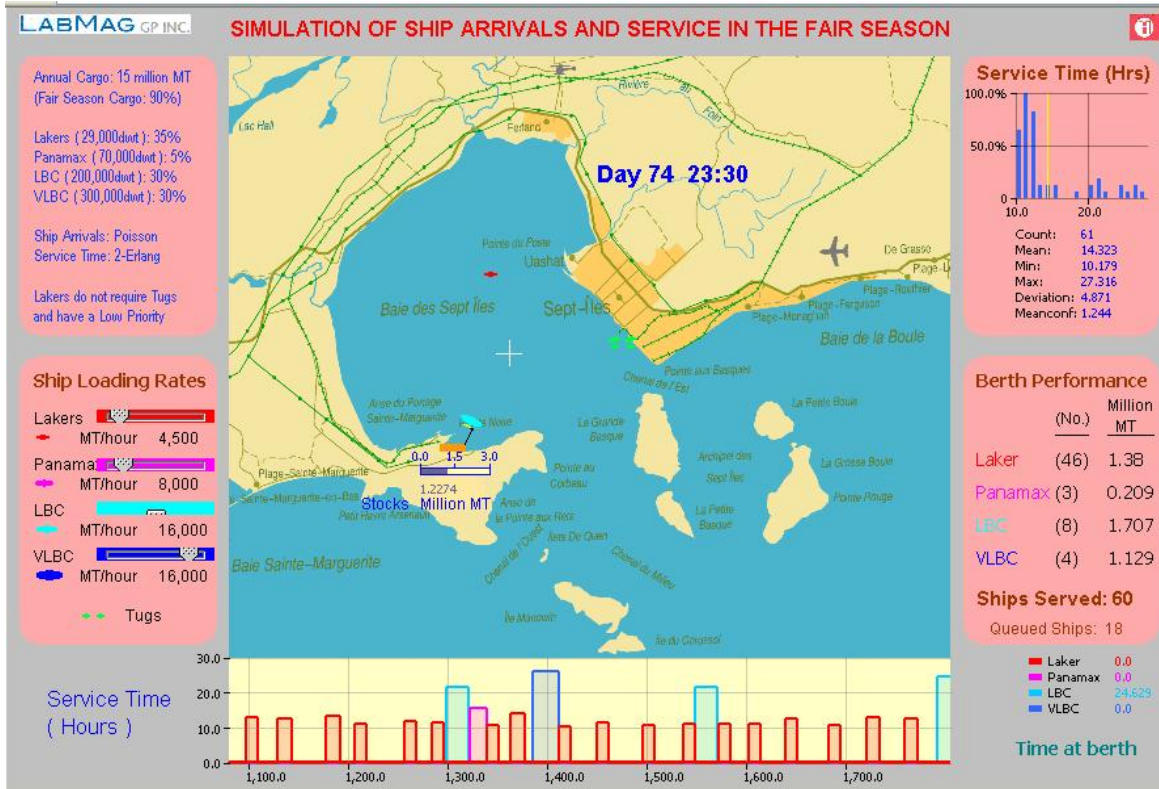




PROJECT: GREENFIELD IRON ORE PELLET TERMINAL
CLIENT: NEW MILLENIUM CAPITAL CORP., Canada
LOCATION: POINTE NOIRE. SEPT ISLES. CANADA



A Pre-feasibility study has been completed by HOWE for the proposed iron ore pellet shipping terminal for the Labmag Iron Ore Project promoted by New Millennium Capital Corp., Canada estimated at US\$2.75 billion Total Project Capital Cost.

The iron ore mines are located in Newfoundland and Labrador, from where the product will be transported to the proposed shipping facility at Pointe Noire. A high capacity mechanized material handling and storage system will receive and stock pellets for loading in to ships up to 350,000 DWT size at 16,000 TPH, throughout the year.

The pre-feasibility study included selection of the preferred location from the potential sites identified during preliminary reconnaissance. The alternative locations, layouts and system configurations were evolved through engineering design and analyzed using computer aided simulation and animation tools.

The alternative proposals were presented in sufficient details with costs based on international procurement to arrive at comparative assessment and decision making.

Some of the key considerations were:

- Annual shipments: 15 million MT
- Ship size range: 27,000 – 350,000 DWT
- Reduced shipments under winter ice cover
- Optimum requirement of stacking, reclaiming, conveying and ship loading equipment.
- High handling rates for competitive ship turnaround times