

# Terminal Information



## TSI TERMINAL SYSTEMS INC.

### VANTERM

**Location:** Vancouver, British Columbia, Canada.

**Status of Terminal:** A 76 acre, three berth container terminal facility operated under a long-term lease agreement from the Vancouver Port Authority, which expires in 2012.

**Equipment/Facilities:** Two container berths, 619 metres long; one combined berth, 228 metres long; one conventional berth, 183 metres long; on-dock intermodal yard consisting of five tracks totaling 2,200 metres; 9-lane inbound and 3-lane exit gate; closed circuit TV cameras via Internet to monitor truck lane traffic; five cranes including four post-Panamax at 16-wide and one Super post-Panamax at 18-wide; 12 RTGs capable of one container over 4x7 wide; eight toppicks; eight sidepicks; 29 yard tractors; 35 yard chassis; various lift trucks and truck scale; reefer points with 288 reefer outlets.

**Building Facilities:** 30,000 sq ft main office building; 125,000 sq ft transit shed; 25,000 sq ft maintenance building. The Vancouver Port Authority has approved an expansion of Vanterm's container capacity by removing the shed and office complex.

**Principal Customers:** K Line, OOCL, NYK, COSCO, Hapag Lloyd, P&O Nedlloyd, Yang Ming, Hanjin.

### DELTAPORT

**Location:** Roberts Bank, Delta, British Columbia, Canada.

**Status of Terminal:** A 160 acre, two berth container facility in which TSI is a service contractor to the Vancouver Port Authority until 2004, and thereafter under a long-term lease agreement with Vancouver Port Authority for 2004-2023.

**Equipment/Facilities:** Two container berths, 670 metres long; eight rail tracks of 3,500 ft each, providing capacity for four 7,000 ft double-stack trains (440 TEUs per train); grounded storage capacity in the Intermodal Yard of approximately 1,200 TEUs; three high-speed rail-mounted gantries (RMGs) equipped with a computerised container positional determination system; radio data controlled inbound and exit gate; closed circuit TV cameras via Internet to monitor truck lane traffic; six Super post-Panamax container gantry cranes capable of handling 18 to 20 container wide ships each with 50-tonne capacity; 18 rubber tire gantries (RTGs), some equipped with auto-steering and a positional determination system; abundant supply of multi-trailer systems (triples) and single chassis; eight reachstackers/toplifts, four empty handlers; two truck weigh scales; 24,000 TEUs storage capacity; 600 reefer plugs.

**Building Facilities:** 33,300 sq ft main office building; 22,000 sq ft maintenance building.

**Principal Customers:** Evergreen, Lloyd Triestino, China Shipping, NYK, OOCL, P&O Nedlloyd, Hapag Lloyd, Norasia, Zim, CMA-CGM.



## LONG BEACH CONTAINER TERMINAL, INC.

**Location:** Long Beach, California, USA.

**Status of Terminal:** A 104 acre, three berth container terminal facility operated under a long-term preferential use agreement from the Port of Long Beach, which expires in 2011.

**Equipment/Facilities:** Three container vessel berths; five post-Panamax quayside container gantry cranes; eight rubber-tired gantry cranes; 60 yard tractors; two top handlers; four side picks; 12 utility forklifts; 26 yard chassis; various pick-up trucks and other vehicles and handling equipment.

**Building Facilities:** 13,000 sq ft main office building; 3,200 sq ft marine operations building; 9,600 sq ft repair shop.

**Principal Customers:** OOCL, NYK, P&O Nedlloyd, Hapag Lloyd.



## GLOBAL TERMINAL & CONTAINER SERVICES, INC.

**Location:** Jersey City, New Jersey, USA.

**Status of Terminal:** A freehold 98.2 acre, two berth container facility.

**Equipment/Facilities:** 20 receiving/delivery gates; closed-circuit television system throughout the Terminal for security and monitoring of operations; two deep water container vessel berths (1,800 ft); six quayside container cranes including four Super post-Panamax cranes; eight rubber-tyred gantry cranes (RTG's) capable of stacking one over five containers high and six wide plus a truck lane. All RTG's are equipped with global positioning systems for steering and live-time container locations; 44 yard tractors; seven toploaders; nine side pickers; 24 yard chassis; various terminal vehicles for use by terminal supervision.

**Building Facilities:** 28,000 sq ft administration building; 4,000 sq ft marine operations building and 25,000 sq ft maintenance and repair building.

**Principal Customers:** NYK Line, Hapag Lloyd Container Line, P&O Nedlloyd Ltd, OOCL, Columbia Coastal Transport, the United States Military Traffic Management Command.



## Terminal Information



### HOWLAND HOOK CONTAINER TERMINAL, INC.

**Location:** Staten Island, New York, USA (Port of New York / New Jersey).

**Status of Terminal:** A 187 acre, three berth container terminal facility operated under a long-term lease agreement from the Port Authority of New York and New Jersey, which expires in 2020.

**Equipment/Facilities:** Three deep water container vessel berths; six quayside gantry cranes; four new post-Panamax cranes on order; 24 paperless computerised truck gates; 63 yard tractors; 22 full container handlers; 9 empty container handlers and other heavy forklifts; 42 stevedoring chassis; various computer equipped pickups and other vehicles; on-dock rail service (37 acre intermodal rail yard under construction); on-dock Container Freight Station; on-dock US Customs Inspections; Trac operated chassis pools of 1,700 chassis.

**Building Facilities:** 39,000 sq ft main office building, 412,000 sq ft container freight station (comprising two buildings), 28,785 sq ft equipment maintenance and repair shop, 20,000 sq ft deep freeze warehouse, 66,000 sq ft refrigerated warehouse.

**Principal Customers:** Maersk SeaLand, NYK, APL, Hapag Lloyd, P&O Nedlloyd, Chilean Lines/CSAV, CCNI, OOCL, Turkon Container Line, Crowley American Transport, CMA-CGM, China Shipping, Ecuadorian Line and the United States Military Traffic Management Command.



### KAOHSIUNG CONTAINER TERMINAL

**Location:** Pier 66 Kaohsiung Harbour, Kaohsiung, Taiwan.

**Status of Terminal:** One of the original container facilities from the Kaohsiung Harbour Bureau. Current lease expires in 2009. The entire terminal was recently modernised to have deep-water berths of 14.5 meters, newly installed light towers and fiber optics, additional rail-mounted gantry cranes and revised yard layout.

**Equipment/facilities:** Two container vessel berths (680 meters long) on a total of 66 acres. Operate on 24-hour 7-day basis for all berth and gate activities. Equipment include : Five quay cranes including three post-Panamax (16 rows); 12 rail-mounted gantry cranes (RMGs); seven straddle carriers; five empty stackers and various shipside handling equipment. Three Super post-Panamax quay cranes (18 rows) are on order for delivery in July 2003.

**Building Facilities:** 1,500 sq m main office building, 7,000 sq m CFS, 2,200 sq m maintenance building.

**Principal Customers:** ANL, COSCO, China Shipping, Hapag Lloyd, Malaysia International Shipping Co, NYK, OOCL, P&O Nedlloyd, Zim.