

500 TPD MOBILE SHIPLOADING SYSTEM



Client: Prince Rupert Port Authority

Value: \$500,000

Description: The flexibility of the new 500 tonnes per hour portable shiploader & conveying system means it is capable of loading a ship almost anywhere on the dock face. The materials handling system embodies three separate conveyors, set up as a "stacking system" beginning at the receiving hopper (fed by a loader) and ending at the ship's hold. The head end of the final section of conveyor (the shiploader) is supported over the ship's hatch by the ship's tackle. The conveyor is re-positioned on the dock face using the port's mobile equipment.

Scope: SDE provided Complete Civil, Structural and Mechanical and Electrical design services for the detail design and concept review of the materials handling system.