

## GRAIN TERMINAL UPGRADES AND MODIFICATIONS



Client: Prince Rupert Grain

Description: SDE provided a multitude of services for Prince Rupert Grain Ltd., from bin design, to silo reinforcement, new cleaner battery installations for wheat, barley, canola and other grains. Our work improved the throughput of the world-class grain elevator from 3.5 Million tonnes per year, to over 6 million tonnes per year, at a fraction of the cost of a new terminal.

### **3<sup>rd</sup> Conveyor to Storage**

SDE provided complete mechanical and structural engineering for the design of a third bin top conveyor system (1200 tonne per hour) to carry grain from the workhouse to the storage bins. The additional conveyor system provided greater flexibility and efficiency in the storage of incoming grain products.

### **Refuse Bin and Pellet Plant Modifications**

Installation of a new 30m high x 8m diameter steel storage bin, new hammermills and product conveying systems to increase production rates at the pellet plant.

### **New Railcar Indexer**

Installation of 6 new Stamler railcar indexers and associated trackwork modifications to automate the spotting of incoming railcars over the receiving pit.

### **Cleaner Battery Replacement Programs**

Complete project management services including procurement, construction contracting, site supervision, and structural & mechanical design changes to 5 grain cleaner batteries. Programs involved the removal of existing grain cleaning equipment and transport systems and their replacement with new, higher capacity, grain cleaning equipment and transport systems.

### **Truck Unloading Station**

Conceptual designs and cost estimates for changes to receiving system to accommodate delivery of grain products by truck

