



# **EXECUTIVE SUMMARY**

The Ports & Terminals report is researched and written by PrismTeck Inc. This report includes major provinces of Canada such as British Columbia, Nova Scotia, Quebec, Ontario, Newfoundland, and New Brunswick. Secondary research was conducted through various online mediums to collect the required data for this research. The process took five to six weeks' time. It started with identification of various Ports & Terminals across Canada in each specific province. After the identification process, diverse information with respect to the description of the Ports & Terminals was extracted through the respective websites. Moreover, special emphasis was placed on the ongoing and potential projects at the site along with the engineering companies, crane manufacturers, contacts, and shipping lines at each respective location. At the end, the collective information was compiled in a report format.

\*Electrical cost for projects is estimated based on industry defined criteria mentioned on page 151



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## **CANADA PORTS AND TERMINALS**

Ports and terminals play significant role in the economy of Canada. There are 6 provinces in Canada which have a total of 18 ports and several terminals under each region. The most significant ports include Port of Vancouver, Port of Montreal, Port of Prince Rupert and Halifax Port Authority. Port authorities in Canada generate billions of dollars in revenue and employ hundreds of thousands of people. The tonnage they carry and the people they employ make Canada Ports Authorities strong wealth producers. In 2020, they handled over 340 million tons of cargo, traded with over 170 countries and produced billions of dollars in economic production. Ports are a significant source of tax revenue, with around \$2.1 billion contributed to all levels of government by companies and employees at Canada's ports, as well as the port authority itself. These ports also employ a large number of people. About 71,000 Canadians are directly employed for ongoing day-to-day activities. They are employed as terminal operators and longshoremen. They are also employed in operations linked to tugging, shipping, rail transportation, trucking and freight forwarding. Along with the supply chain, port authorities also produce additional jobs. For every one million tonnes of cargo transported, 300 jobs are created. Passengers on cruise ships are also welcomed. Canada's port authorities welcome about 1.3 million cruise ship passengers each year, producing over \$3 billion in revenue for the economy.

# **REGIONS - PORTS & TERMINALS**

### **BRITISH COLUMBIA**

#### PORTS

• Port of Vancouver	••••••	08
Prince Rupert Port	••••••	11
Nanaimo Port	••••••	13
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TERMINALS		
Fraser Surrey Docks	·····	17
Annacis AutoMobile Terminal		19
Cascadia Terminal		19
GCT Vanterum		20
GCT DeltaPort		24
Nanaimo - Duke Point	·····	25
Vancouver Centerem Terminal	·····	26
• Prince Rupert Terminal (Fairview Container Terminal)		27
• Kinder Morgan Vancouver Wharves		28
Port Alberni Terminal	••••••	29
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• Shellburn	••••••	33
Canpotex Terminals Ltd	••••••	34
Chemtrade Chemicals	••••••	36
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Alliance Grain Terminal	••••••	38
BC Ferries	••••••	39
• Canada Place	••••••	40
Cargill Grain terminal		41
• IOCO (Imperial Oil/Esso Petroleum Co)		43
• Lynnterm Terminal (East & West Gate)		45
Nanaimo Cruise Terminal		46
Nanaimo Assembely Wharf	·····	47
Neptune Bulk Terminals	••••••	48
Pacific Coast Terminal	••••••	50
• Pacific Elevators (Viterra)	••••••	51
Richardson International Terminal	••••••	52
Ridley Terminal		53

Suncor Burrard Products Terminal	••••••	55
Univar Canada Terminal	······	56
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Cowichan Terminal	••••••	60
G3 vancouver terminal	••••••	61
Greater Victoria Harbour Authority	••••••	63
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# British Columbia

British Columbia (BC) is the western-most province of Canada, as it is situated between the Pacific Ocean and the Rocky Mountains. With an estimated population of 5.2 million as of 2021, it is Canada's third-most populous province. The capital of this province is Vancouver which is the third largest in area. British Columbia has businesses related to agriculture, chemicals, ports & terminals, cruise ships, ferry terminals, forest products and so on. British Columbia's economic system is based on forestry, mining, cinematography, and tourism. It also has the advantage of high property values and being a center for maritime trade. Although less than five percent of its territory is arable land, a lot of agriculture is harvested within the Fraser Valley and Okanagan due to the hotter climate. It is the fourth-biggest province or territory with respect to GDP.



**REGION** British Columbia

LOCATION 999 Canada Pl, Vancouver, BC V6C 3T4, Canada

WEBSITE https://www.portvancouver.com/



#### ABOUT

The Port of Vancouver, on British Columbia's southwest coast, stretches from Roberts Bank and the Fraser River up to and incorporating Burrard Inlet. The Port of Vancouver spans over 16,000 hectares of water, 1,500 hectares of land, and hundreds of kilometres of shoreline, touching 16 municipalities and connecting the traditional territories and treaty areas of many Coast Salish First Nations. The port has the widest range of cargo handling capabilities in North America, including bulk, containers, breakbulk, liquid bulk, autos, and cruises.

#### **OVERVIEW**

#### **PRODUCTS**

- Wind Energy Products
- Forest Products
- Steel and Aluminum
- GrainsClay

- Agricultural Bulk
- Mineral Ores
- Fertilizers
- Bauxite

#### VESSELS

- Cruise Ships
- Cargo Ships
- Container Ships

- **CRUISES**
- Azamara Cruises
- Carnival Cruise Lines
- Celebrity Cruises
- Compagnie du Ponant
- Crystal Cruises
- Cunard Cruise Line
- Disney Cruise Line
- HAPAG LLOYD Cruises
- Holland America Line

- Hurtigruten Cruises
- Marella Cruises
- Noble Caledonia
- NYK Cruises
- Oceania Cruises
- One Ocean Expedition
- P&O Cruises
- Peace Boat Cruises
- Phoenix Reisen

- Princess Cruises
- Regent Seven Seas
- Royal Caribbean International
- Seabourn Cruise Line
- Silversea Cruises
- Star Cruises
- The World
- Viking Cruises
- Windstar Cruises

### UTILITY COMPANIES

- BC Hydro Andrew Watson Director, Design Engineering, Site C Clean Energy Project andrew.watson@bchydro.com 1 800-224-9376
- Fortis BC

Doyle Sam Executive VP, Operations & Engineering doyle.sam@fortisbc.com 1-866-436-7847

### SHIPPING LINE COMPANIES

- Cosco Shipping
- Maersk Line
- Yang Ming
- Westwood Shipping Lines
- "MSC (Mediterranean Shipping Company)"
- Evergreen

#### **PROJECT INFORMATION**

#### **EPC COMPANIES**

PCL Construction

#### **CRANE MANUFACTURING COMPANIES**

- Zhenhua Port Machinery Co.
- Liebherr Marc-André Roger Director, Des Ventes EST Du (Canada) marc-andre.roger@liebherr.com

<ul> <li>Centerm Expansion Project and South Shore Access Project</li> </ul>	The Vancouver Fraser Port Authority is building the Centerm Expansion Project and South Shore Access Project to help meet increasing demand for containers shipped through the Port of Vancouver.			
	<b>TOTAL COST</b> \$454 million	INFRASTRUCTURE COST \$413.14 million	*ELECTRICAL INFRASTRUCTURE COST \$40.86 million	
<ul> <li>Commissioner Street Road and Rail Realignment Project</li> </ul>	The Vancouver Fraser Port Authority is undertaking a roadwork project to widen and realign Commis- sioner Street to the north between Nanaimo Street and Slocan Street in order to make room for Cana- dian Pacific Railway (CP) to add additional rail tracks. The objective of this project is to help support the capacity needed on the south shore to move goods, and improve port operations.			
<ul> <li>Mountain Highway Underpass Project</li> </ul>	The Vancouver Fraser Port Authority is leading a project to improve the roads accessing Lynnterm Terminal in North Vancouver. The Mountain Highway Underpass Project will deepen the existing underpass under the rail tracks, which will allow the road to accommodate oversized cargo, such as heavy machinery. The project will increase import and export capacity and trade opportunities at Lynnterm Terminal, while also improving pedestrian access and safety by adding a sidewalk.			
	<b>TOTAL COST</b> \$200-million	INFRASTRUCTURE COST \$170 million	*ELECTRICAL INFRASTRUCTURE COST \$30 million	
Terminal 2 Project	The Roberts Bank Terminal 2 Project involves the construction of a new three-berth marine container terminal in the Port of Vancouver in Delta, British Columbia. The terminal would be located in deep subtidal waters to minimize environmental effects. The project would be funded by the financial self-sufficient port authority and private investment.			
	<b>TOTAL COST</b> \$2 billion	INFRASTRUCTURE COST \$1.7 billion	<b>*ELECTRICAL INFRASTRUCTURE COST</b> \$0.3 billion	





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