



International Center of Maritime Industries



**Ports, Marine Supply, Shipbuilding
and Ship Repair, Recreation, Research,
Education and Services.**

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Did You Know?

Water depths for the Ports of Seattle, Everett and Tacoma reach up to 400 meters?

The University of Washington has one of the world's finest oceanography departments and Seattle Central Community College runs the acclaimed Seattle Maritime Academy?

Greater Seattle is a major center for environmental companies that consult for the prevention of oil and hazardous waste spills?

Together, the Ports of Seattle and Tacoma are the second-largest volume container center in the United States?

Greater Seattle is the homeport to the U.S. North Pacific fishing fleet, and that Seattle is the point of entry for 50 percent of the seafood caught in the United States?

Ports of Greater Seattle

The ports of Greater Seattle provide one of the most efficient and economical gateways to the world. These ports serve not only the U.S. Pacific Northwest, but also the major cities of the Midwest, East Coast and Canada. Seattle is one sailing day closer to Asia than California ports, offering time and cost savings to importers and exporters alike.

Together the Ports of Seattle and Tacoma represent the second-largest container load center in the United States. The Port of Seattle's facilities include five marine container terminals with 25 container cranes; on-dock and near-dock rail yards linked to two transcontinental railroads; an on-dock fresh fruit facility for export of Washington apples, pears and other produce, and for imported produce from all over the world.

The Port of Everett has developed into a bustling import-export center. Its 36,000 square-foot refrigerated warehouse stores goods destined for South America, the Russian Far East and Europe.

A highly diversified port, the Port of Tacoma handles a wide variety of cargoes, from containerized and general cargoes to bulk and breakbulk cargoes.

Cargo Shipping

Greater Seattle is one of the great gateways of the world. Port cranes and containers are a part of the region's landscape and livelihood. Washington is one of the top states in the nation in terms of waterborne commerce.

Numerous steamship lines call on the ports of Greater Seattle. [Westwood Shipping](#), [World Logistics](#) and [FESCO](#) all offer scheduled breakbulk shipping. [MacMillan-Piper](#) and [APL](#) are just two companies in the region which provide worldwide container transportation.

The Port of Seattle's recently renovated Terminal 5, managed by [Eagle Marine Services](#), is a 160-acre, state-of-the-art facility. Terminal 18, expanded in 2002, is port of call for eleven steamship lines including [CCNI](#), [China Shipping \(CSCL\)](#), [CMA CGM](#), [CSAV](#), [Hamburg Süd](#), [Hapag-Lloyd](#), [Maersk Line](#), [Maruba Line](#), [Nippon Yusen Kaisha \(NYK\) Line](#), [Orient Overseas Container Line \(OOCL\)](#), and [ZIM](#).

[Stevedoring Services of America](#) (SSA) and its affiliates, which have operated Terminal 18 since 1984, have grown rapidly from a Northwest base to become a diversified worldwide operator of shipping terminals and provider of cargo-handling services.

The region is also home to numerous harbor services companies. [Crowley Marine Services](#), which has its operating headquarters in Seattle, owns and operates the largest fleet of tugs, barges and specialized marine equipment in the world. Headquartered in Seattle, [Foss Maritime](#) operates the largest tug fleet on the west coast and provides a full range of marine transportation services, including harbor services, ocean towing, environmental services, shipyard and terminal services

Stevedoring services also abound in the region. Established in 1858, [Jones Stevedoring](#) provides professional cargo handling and terminal management services along the U.S. West Coast. Seattle-based Stevedoring Services of America (SSA) provides stevedoring in approximately 40 U.S. ports. SSA International, a branch of SSA, specializes in worldwide port and rail operations and has projects and offices in countries such as South Africa, Thailand, Panama and New Zealand. [Marine Terminals Corporation \(MTC\)](#) handles more containers on the west coast of the United States than any other stevedore. In Seattle, MTC provides stevedoring services at both Terminal 30 and Terminal 46.

Shipyards, Repairs and Design

There are eight major shipyards and over 20 smaller yards in the Greater Seattle area. These facilities concentrate on ship repair and the construction of ferries, tug boats and tourist vessels.

Greater Seattle is an important center for ship repair. Fresh water inways connecting to the salt water sound provide an advantage for our shipyards and repair facilities. The fresh water kills salt water marine growth on boat hulls and allows vessels to be worked on without the inconvenience of tidal action.

Among the shipyards in Greater Seattle are:

Todd Pacific Shipyards Corporation	<u>Todd Shipyards</u> , a full service shipyard located on Elliott Bay, has the largest dry dock in the Greater Seattle area. Todd’s three dry docks and six deep water berths can service ships up to 800 feet long and up to 120 feet wide.
Lake Union Drydock Company	Established in 1919, <u>Lake Union Drydock</u> is a full service shipyard specializing in ship repair. With three dry docks, including two 1,200 ton dry docks, Lake Union repairs military vessels, tug boats, fishing boats and pleasure craft. Lake Union has conducted business internationally including work on Russian fishing vessels.

Foss Maritime	Foss Maritime has two floating dry docks with up to 2,000 ton capacity. The shipyard handles underbody maintenance, hull repairs, shaft repairs and modification, hull cleaning and emergency repairs.
Kvichak Marine Industries	Kvichak is one of the country's premier aluminum boat builders with expertise in oil spill response, enforcement, commercial fishing, passenger ferries, dive boats and general commercial use.

Naval Architects and Marine Engineers

Before a ship can be repaired in the first class shipyards of Greater Seattle, it must be built. A number of firms in the Greater Seattle area specialize in the design and engineering of marine vessels. From pleasure boats to naval ships to fishing vessels, these companies conduct work for clients all over the world. Some examples of these companies include:

<u>Art Anderson Associates</u>	Marine services provided by Art Anderson include naval architecture services, marine transportation studies and marine facilities design.
<u>The Glosten Associates, Inc.</u>	This 30-year-old firm provides designs, refurbishments and overhauls of tugs, barges, research ships and ferries. Glosten Associates pioneered work in cargo transportation analysis, inelastic collision modeling and innovative platform design.
<u>Guido Perla & Associates, Inc.</u>	Guido Perla & Associates is one of the nation's largest engineering firms providing complete turnkey design, construction, support and project management for marine vessels. Guido Perla has international clients in Norway, Japan, Hong Kong and Germany.

Support Services

A flourishing marine industry is only as good as its support services. First class support infrastructure is found in the Greater Seattle area. From suppliers to custom brokers, from legal assistance to accountants, businesses with years of experience and expertise in maritime trade are located throughout the Greater Seattle region.

There are more than 100 maritime law and fisheries attorneys operating in the region. In addition over 60 customs brokers and 100 freight forwarders provide logistics services to the maritime industry in Greater Seattle. Fedex Trade Networks Transport & Brokerage Inc. provides customs brokerage; freight forwarding; air, ocean and surface transportation; warehousing and distribution and a variety of other services.

Local financial and accounting companies also offer expertise in the maritime industry. Kueckelhan, Crutcher & Company serves the seafood and maritime industries. Clients

of the firm include fishing companies, a major cruise line, shipyards and other marine and seafood support businesses. In insurance, the London-based Sedgwick Group, has maintained an office in Seattle for over 50 years.

Publications

Numerous maritime publications are based in the Greater Seattle region covering the varied and dynamic industry.

<u>Marine Digest</u>	Published since 1922, Marine Digest is the Northwest’s largest maritime industry publication. The monthly magazine focuses on the cargo shipping industry covering ports, government regulations, steamship lines, labor issues and shipyard activity. The Marine Digest also publishes annually the Western Washington Ports Handbook and weekly updates on West Coast shipbuilding and ship repair contracts. The Marine Digest is distributed overseas to Asia.
<u>Pacific Fishing</u>	Pacific Fishing magazine presents the latest information on seafood resources, technology, markets and politics. The magazine is internationally linked through its editorial coverage and subscription bases.
<u>Pacific Maritime</u>	This monthly magazine covers marine transportation, construction, terminals and ports in the Pacific Northwest and the Pacific Rim.

Suppliers

The strength of the local cargo shipping and commercial fishing sectors has attracted a concentration of first class marine suppliers to the Greater Seattle area. Products manufactured by marine suppliers include electronics (encompassing nautical and navigational instruments), hydraulics, engines, boilers, refrigeration, life-saving equipment, deck machinery and a host of other equipment. Smith Berger Marine, Inc. manufactures and supplies deck hardware such as fairleaders and mooring systems. MARCO’s Puretic Power Block changed the way net fishing is conducted.

Commercial Fishing and Recreation

Commercial fishing is one of the oldest industries in the Greater Seattle area and remains an important part of the marine business in the region. The commercial fishing sector provides for approximately 10,000 jobs in the Greater Seattle area and accounts for gross annual sales of more than \$3.5 billion.

The Washington state fishing industry harvests and processes fish from international, federal and state waters of the North Pacific and off the West Coast. Seattle functions as the service center of the sector. The North Pacific fleet, the collective name for the region’s largest complement of commercial fishing vessels, is based in Seattle.

The Port of Seattle's Fishermen's Terminal, the West Coast's premier commercial fishing homeport, provides moorage for over 700 fishing and commercial workboats. Additional moorage is available through private shipyards and the Port of Seattle. Commercial fishing operators choose Seattle as their homeport because of the concentration of products and services available in the region, including financing, crews, shipbuilding, repair, and maintenance, marine suppliers, and professional services. Seattle is also home to the [Fish and Pacific Marine Expo](#), the world's largest commercial fishing trade show. Salmon, pollock, cod, halibut and crab are among the principle seafood species caught in the healthy and abundant waters of the North Pacific. Annual harvests top five billion pounds, which represents half of all seafood landed each year in the United States. Washington state accounts for much of the harvest and Washington-based processors perform value-added primary and secondary processing. The biggest overseas markets for processed fish and seafood products produced by the Washington seafood industry are Japan and Europe, although our region's companies look for markets worldwide.

Not a Fish Tale: Washington State Commercial Fishing Facts

- Washington state fishing industry catches more fish annually than any other state;
- Washington state purchases and processes more fish annually than any other state;
- Washington state exports more fisheries products, in value and weight, than all other states combined;
- More American fishing vessels of over 85 feet are registered in Washington than in any other state;
- Many large fishing boats registered in Alaska are actually owned by residents of Washington state;
- The at-sea processing fleet, based in Washington state, has an annual seafood production of over \$1 billion, more than half of which is exported;
- Fish processing is Washington state's second most important food processing industry, behind apples, in terms of economic impact and job creation.

Recreation and Cruise Ships

The waters of Greater Seattle make it a boaters' paradise. With one boat for every five people, we boast the highest per-capita concentration of boaters in the United States. Shilshole Bay Marina provides first-class moorage for up to 1,500 sail and powerboats. Boaters seeking access to downtown Seattle need look no further than Bell Harbor Marina. In addition, great cruises start at Bell Street Pier, the Port of Seattle's new multi-use complex and premier cruise ship terminal.

Education and Resources

Greater Seattle's citizens value education and provide first class educational resources in a variety of disciplines. An educational infrastructure with specific maritime programs supports Greater Seattle's extensive maritime industry.

From research to technical training, programs in the area cover a multitude of subjects and needs of the maritime industry. Community colleges, universities, technical schools and the Port of Seattle all provide programs focused on various maritime disciplines.

University of Washington School of Marine Affairs

The School of Marine Affairs (SMA) at the University of Washington offers an internationally recognized master's degree program for launching careers in marine policy and administration. SMA's strength lies both in its rigorous academic program and its faculty research in marine and coastal issues.

Students at SMA learn creative approaches to resolving marine problems and conflicts and may concentrate in a variety of subject areas from coastal zone management to marine environmental protection to port and marine transportation management. Those interested in the international marketplace are encouraged to participate in the interdisciplinary Global Trade, Transportation, and Logistics Studies program, which prepares students for careers in international trade and transportation systems.

Seattle Central Community College's Seattle Maritime Academy

Seattle Central Community College's Seattle Maritime Academy is a fully accredited maritime college offering a variety of maritime educational and training opportunities. While the Center's best-known program is its marine engineering technical program, the school also offers certification for refrigeration technicians and continuing education courses on maritime topics. The Maritime Academy operates one of only fifteen marine fire fighting schools in the United States. In addition, the Center provides customized contract training to military groups, unions, and private companies on topics such as fisheries techniques and equipment and vessel operation and engineering.

The Maritime Academy works with organizations such as the World Bank and the International Monetary Fund marketing their customized contract training to developing countries.

Green River Community College

Green River Community College, located in Auburn, offers a variety of maritime industry-related programs. The Port Administration and Transportation Program, one of the college's international programs, offers training in specialized English, transportation, international business, port administration, water supply technology, hazardous waste management, and computer training. In addition, the program includes visits to a number of ports in the United States and Canada. The college also offers customized programs addressing specialized port administration needs and concerns.

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