

The variety and complexity of Marine Tankers and Bunkering ships is increasing. Whether it is giant super-tankers for LNG or canal bunkering vessels, there is a need to get operators onto and off of the deck of those vessels when moored at the jetty. Legislation for Health and Safety of operators is also tightening. Jetty owners face an increasing need to allow safe operations at their facilities without hindering the primary purpose of the jetty – to receive or deliver bulk fluids or powders.



Loadtec Engineered Systems Ltd. works with Carbis Inc to deliver a wide and innovative range of solutions to meet the needs of their clients. All the systems are designed and manufactured to exceed the prevailing, national, regional and client standards. They are also compliance tested and certified.



The barge and small ship access ladders can be powered by spring, hand-winch, electricity, air or hydraulic power. In some cases they can be manoeuvred by a crane, which is also used to transfer goods to the ship. The method and extent of powered movement is determined by close consultation with the client to establish frequency of use and ambient conditions.



All systems have the ability to elevate, extend and rotate to compensate for ship and tidal movement. The step-off arrangement at the end of the jetty can vary widely, depending on the deck and handrail arrangement of the vessel. In many cases, customers are opting for the *Marine Tread* on the gangways. This has a more secure walking area when the ladder is elevated or lowered at high angles.

Larger vessels being un/loaded at jetties with wide tidal elevations, can have extremely large variations in deck height. There is a need to provide facilities that can cope with that and possible extremes of weather. These systems are sometimes located in regions where force 10 winds can be expected. This impacts the design and operational criteria of the system. These constraints are factored in to each design as appropriate to provide a suitable solution. Carbis/Loadtec also provide ship access towers that have integral staircases for the operator to access the correct level before crossing to the vessel.

Constructed in marine grade aluminium and galvanised steel, these are versatile and durable access systems. There are thousands of tankers berthing around the world each day to load or unload their cargo. Whether the cargo is transferred by hose, marine arm or crane, the constant still remains, the human operator who needs to be protected and assured.

If you have an application that needs to be reviewed or a new jetty being planned, please contact Loadtec. We will provide you with support and technical assistance to work up a design and proposal that meets your current and future needs.

