

DirectPort

Next-Gen Technology for Port & Logistics Infrastructure



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Revolutionary **DirectPort** technology, transforms an existing port into a next-Gen Port. DirectPort can multiply capacity, enhance performance, add new capabilities and at the same time reduce operating costs. It has the capability to add flexibility for the location of a green field port as it eliminates linkage of draft, and land/space on shore as well as hinterland connectivity.

DirectPort transforms transportation and logistics infrastructure in a port and its connectivity to the hinterland to make them better than the best. It incorporates state-of-art automation based on BC, AI, IOT, IT, Telecom, Signalling & control systems to the transportation & logistics infrastructure to transform the port ecosystem. Technology achieves this transformation with commercial, economic and environmental viability and affordability without dependency on Land acquisition.

Innovative systems & automation of DirectPort & e-FTS will truly be benchmark for Port 2.0. DirectPort redefines port by reducing energy intensity up to 90%, space requirement up to 70% and operational cost up to 70%. It can improve wharf productivity up to 4 times. DirectPort reduces greenfield project cost by 30-60% compared to conventional design, while removing key constrains of land, water & environment degradation.

Features

e-FTS

e-FTS is an ultra-high capacity & performance connectivity infrastructure system between port and its hinterland, CFS & MMLP capable of providing evacuation capacity of more than 20mTEU or 500m Tons of Bulk.

The advantages of e-FTS are its ability to reduce dwell time of a container and bulk inside a port from days to minutes. The quick evacuation and intelligent track switching results in the reduction of yard space needed to almost nil. e-FTS Infrastructure system with its commercial viability and almost nil dependency on land makes it ideal for private investment. e-FTS design complies with Customs and other regulatory and statutory requirements.

e-FTS

- Evacuation capacity more than 20mTEU or 500m Tons bulk or mix.
- *24x7 operations without causing congestion outside ports and hinterland*
- Zero PM pollution and 90% lower Carbon footprint (GHG)
- Enables port connectivity in any terrain

Carri-Port & DirectPort

A next-generation container handling system at loading/unloading points at the port and hinterland capable of efficient transfer of containers for journey between hinterland and port through e-FTS.

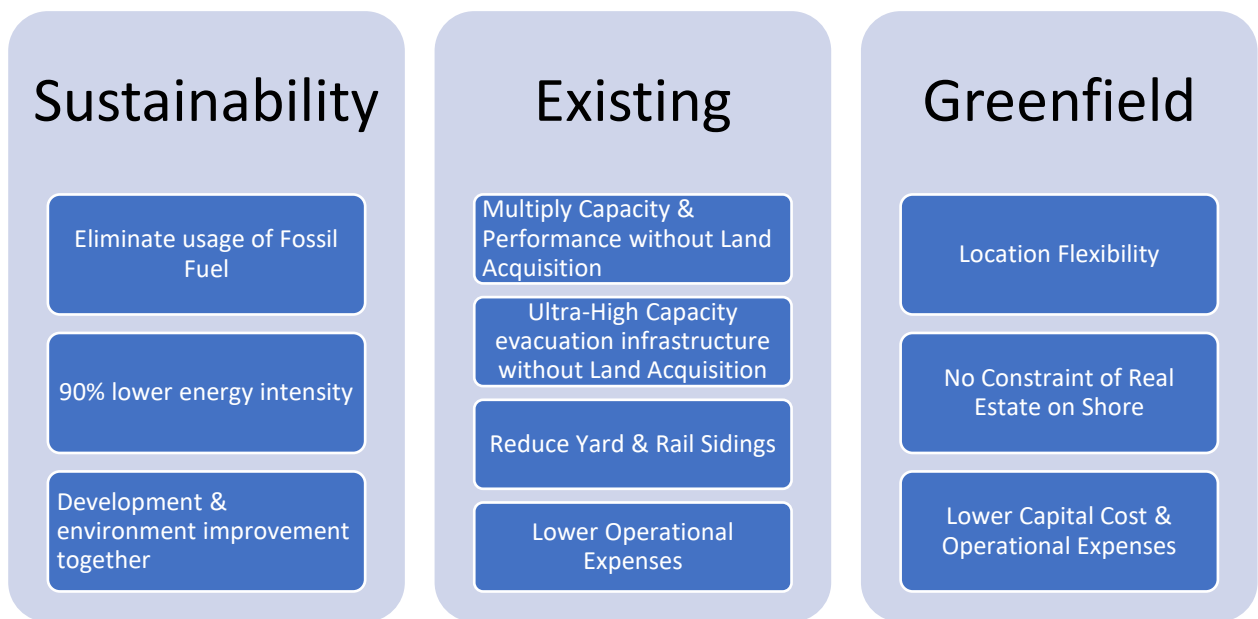
Carri-Port & DirectPort

- Transfer of Containers to Hinterland without waiting & without any Land footprint
- Reduces Yard requirement at port and hinterland
- 24x7 operations with e-FTS
- Zero PM pollution and 90% lower Carbon footprint (GHG)
- Enhances port Productivity

Advantages

DirectPort creates space at the existing ports by reducing stacking and storing bulk or containers within port premise. It reduces equipment required for stacking, storing and segregation. The unique capability results in eliminating of the constraints of yard and evacuation capacity for an existing port to enhance its capacity, performance and reduce operating and logistic cost.

More space inside port with an efficient, predictable and secure connectivity with the hinterland enhances its capability to handle more Exim Cargo add capabilities to handle transshipment and coastal cargo.



The technology is modular and can be adapted to different needs at existing or greenfield ports.

DirectPort is a vision for an efficient & sustainable world.

