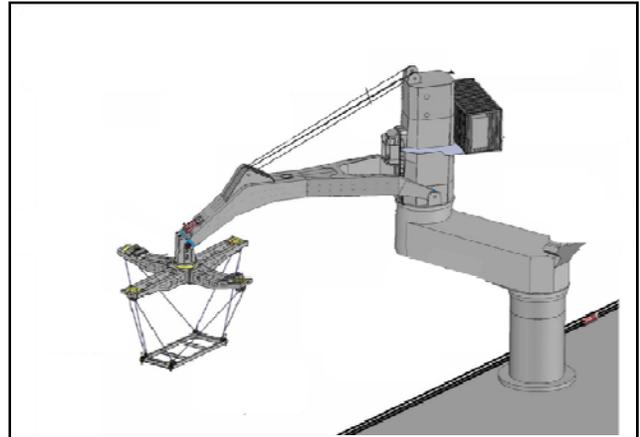




USTRANSCOM Science and Technology

Large Vessel Interface Lift On/Lift Off (LVI Lo/Lo)

Project Summary: Enables selective retrieval of on-deck cargo and the transfer of containers from the below-deck selective retrieval system to the alongside ship by its skin-to-skin or dynamically positioned. The LVI Lo/Lo technologies and crane will enable at-sea transfer that optimizes flow totally around a port node in the supply chain by allowing a commercial containership to supply a sea base while at sea through sea state 4. This capability enables a number of logistic network configurations without the need for a friendly port. It can also improve transfer throughput in unimproved ports.



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Return on Investment: The ability to transfer materiel from any ship to any other provides an extremely flexible solution to deliver sustainment on time.

Duration of project: FY09 - 10

Participants: United States Transportation Command (USTRANSCOM) and the Office of Naval Research (ONR)

Project advocacy (funding or otherwise): ONR, USTRANSCOM

Transition: The transition program of record with which a signed Technology Transition Agreement (TTA) has been accomplished is Program Executive Office (PEO) Ships Maritime Preposition Force (Forward) (MPF(F)) program.

USTRANSCOM POC office code: TCJ5/4-AJT/(618) 229-1109