



USTRANSCOM Science and Technology

Operator Assistance Technologies for Rough Terrain Container Handler (RTCH) Operations

Project Summary: This effort will develop and deliver field-ready appliqué kit prototypes that will dramatically improve the speed, efficiency, and safety of RTCH operations at logistics nodes within the Department of Defense's distribution system. The appliqué system can be added onto currently fielded RTCH's that, through the use of sensors, cameras, semi-automated alignment assistance, and in-cab information, will allow a single operator to perform the standard container movement operations quicker, safer, and without the need of the safety spotter.



Current Status: Approved FY15 USTRANSCOM funded effort.

Return on Investment: Qualitatively, this effort will integrate relatively mature technology into a system that will increase productivity while reducing man hours required for RTCH operations. This will both avoid cost in the form of man-hour expenses and reduced injuries while at the same time increase throughput velocity and reduce damage to cargo. The savings incurred by utilizing this system results in approximately \$371M saved over the lifecycle of the system.

Duration of project: FY15-FY16

Participants: US Army Armament Research, Development and Engineering Center (ARDEC)

Project advocacy (funding or otherwise): Military Surface Deployment and Distribution Command, ARDEC, USTRANSCOM