Wharf to Vessel Transfer - Cargo Loading

ROBORIGGER

SeaSwift

Project Overview:

Client: Sea Swift

Project: Wharf to Vessel Cargo

Location: Queensland, Australia

Date: 2021 onwards

Unit: ARM1500-35 (35t WLL)

Usage: Controlling the orientation of cargo remotely, eliminating taglines, making lifts reliable and safe in windy conditions.

Cargo transfers with precise load control, no taglines needed

Sea Swift owns and operates an extensive independent fleet of transport vessels and delivers scheduled freight and cargo services across Australia. Roborigger's ARM1500-35 is used on the MV Trinity Bay for loading and unloading cargo. The vessel does a weekly run from Cairns to Weipa in tropical North Queensland. The cargo is usually 20ft containers, 28 tonne LPG bullets and top loaded deck cargo.

Cargo such as LPG bullets and refrigerated containers usually need to be rotated during loading; eg to ensure the valves of the bullet are directed outwards or to have the refrigeration units at the aft end for access. Typically, these types of lifts would need 2 personnel with taglines to control and rotate the load into position in the air before landing on the vessel. With Roborigger most loads can be positioned and oriented without the assistance of personnel. Around 100 containers are now loaded within 7.5 hours.

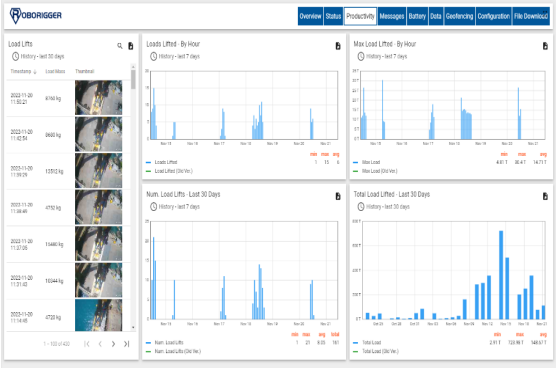
Keeps loads under control in windy weather conditions

Sea Swift uses Roborigger to improve the efficiency and safety of vessel loading operations. Roborigger's "Hold Heading" load control mode prevents cargo from spinning during windy weather conditions. Roborigger has no problem maintaining orientation in strong wind gusts. The remote-controlled load orientation allows cargo to be precisely positioned onto the vessel without the use of taglines.

Sea Swift uses Roborigger with a spreader frame to lift containerised cargo on and off the vessel. Roborigger is also used to lift non-containerised cargo by connecting the slings directly to the load.

"Before Roborigger, Sea Swift needed multiple personnel holding taglines to control cargo onto the vessel. Using Roborigger's remote control load orientation technology has improved safety for our personnel, increased efficiency of the lifting operations and reduced the impact of wind on heavy cargo. We are very happy with the technology and will continue using Roborigger."

Matthew Fairley, Mobile & Fixed Maintenance Manager



Snapshot of Roborigger lift analytics