

CASE STUDY

Philly Shipyard Low Stroke Platform System

CLIENT SITUATION

Philly Shipyard (formerly Aker Philadelphia Shipyard) asked Rhoads to install a Low Stroke Platform System in their hull assembly area designed to move sections of the ship's hull along a rail system to be easily assembled and welded.



RHOADS SOLUTION

For this project, Rhoads set a 54-foot wide rail system consisting of eight 208-foot rails, leveling them and ensuring they were parallel within a 2mm or 0.080 tolerance to each other using a Brunson optical tool. Eight carriers, or hydraulic lifts, would travel on top of these rails to lift sections of the ship's hull and move them along to be assembled and fully welded in the final section of the system. After the rails were set, leveled and anchored, grout was poured under and around the rails to provide support and prevent movement. 41 large tables were placed in between the rails to provide support to the sections of the ship, also leveled to a 0.080 tolerance to each other.

RESULT

To see this project to completion, the Rhoads team worked two 10-hour shifts, six days a week for six weeks. Rhoads' solution was a dynamic system that allowed successful hull assembly for the Philly Shipyard team.

**Contact us today to
learn how Rhoads
Industries can help
with your next project.**

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