

Kurloo transforms Productivity and lowers Risks & Environmental Impact at the Port of Brisbane Sea Wall



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Background & Problem

The main challenge encountered by consulting surveyors at Land Solution Australia and their client, Hall Contracting (Australia's largest dredging civil contractor), was the difficulty of accessing a site that posed safety hazards for both surveyors and construction workers.

They needed to devise a way to obtain frequent, precise displacement measurements without putting personnel or the environment at risk. Hall Contracting wanted a project outcome with fewer assumptions to mitigate the risk of strategic rock replacement of the outer sea wall at the Port of Brisbane.

Solution

Land Solution Australia recommended an innovative hybrid of various remotely operated spatial technology to meet this need. Over a period of 12 months, Land Solution Australia surveyors supplied 3D construction models, drone mapping and Kurloo IoT GNSS monitoring system to transform the way Hall Contracting performed high risk rock wall placement.

These innovative methods deployed by Land Solution Australia empowered Hall Contracting to improve their rock placement method and realise improved profitability and productivity gains, through fewer assumptions and reduced safety and environmental risk.

CHALLENGES:

- Hazardous environment with limited access
- Risk to personnel on site if entering these sites
- Environmental sensitivity to protect the natural environment and Marine life

BENEFITS:

- Improved safety
- Increased Productivity
- Reduced environmental impact

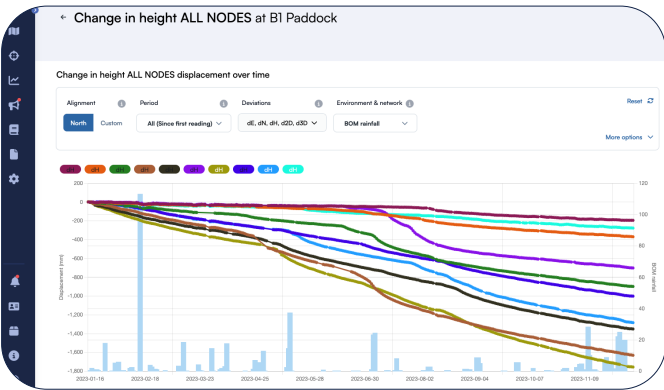


Kurloo x Port of Brisbane: Sea Wall Stability & Settlement Project

Accurate | Affordable | Autonomous



Overview of sensors in Kurloo Nest platform



Port of Brisbane Overview Dashboard, Australia



Typically for a project of this nature we would have had to infrequent measurements by surveyors in an extremely challenging working environment.

Having Kurloo meant we got more knowledge around the performance of our works than we have ever had before. That gave us and our client greater certainty and confidence we were meeting the specifications for the project in a safe and accurate way.

Jacob Restall
Operations Manager Marine / Pacific
Port of Brisbane



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Ready to get started?

Let's talk about how Kurloo can help you achieve results like these too.

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