

BMS

BERTH MONITORING SYSTEM

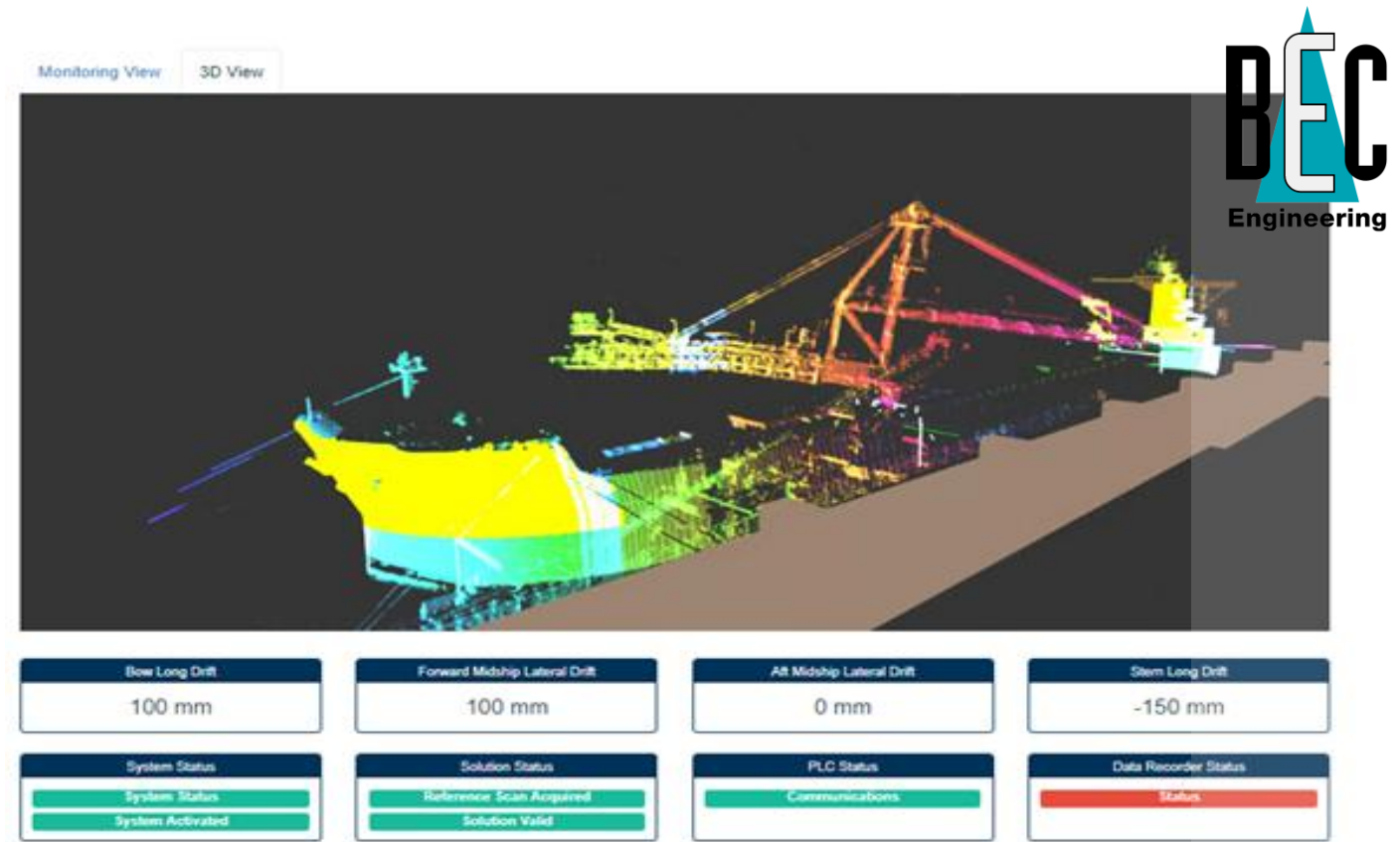
About Us

BEC has a long history of developing and supporting innovative solutions, tailored for the mining and materials handling sectors.

These include:

- Laser Gap Detection System (LGAP).
- Laser Partially Dumped Ore Car (LPDOC).
- Mobile Machine Collision Avoidance System (CAS).
- Radar Reclaimer Stockpile Faceup System.
- Stockpile profiling system.

And now...



Berth Monitoring System

The system provides real time vessel lateral and long drift data to ensure safe, reliable vessel loading operations under all conditions.

Key Features



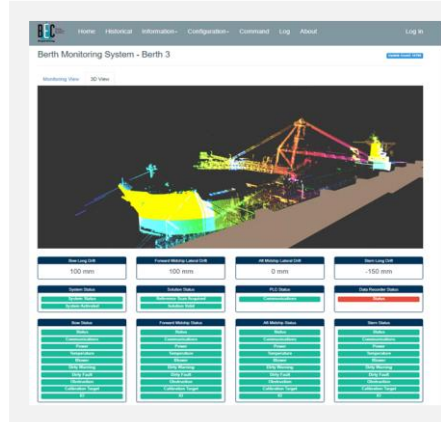
High Accuracy

Utilizes industry leading 3D lidar scanners producing high accuracy point cloud data even from low reflectivity hull



Reliable

Operates 24/7 with no operator intervention and is proven under all environmental conditions, including heat, severe dust and fog.



Full Visualisation

A real-time web-based user interface provides continual feedback, configuration and diagnostics.



Integration

Integrates seamlessly with standard PLC and SCADA systems via industry standard protocols.



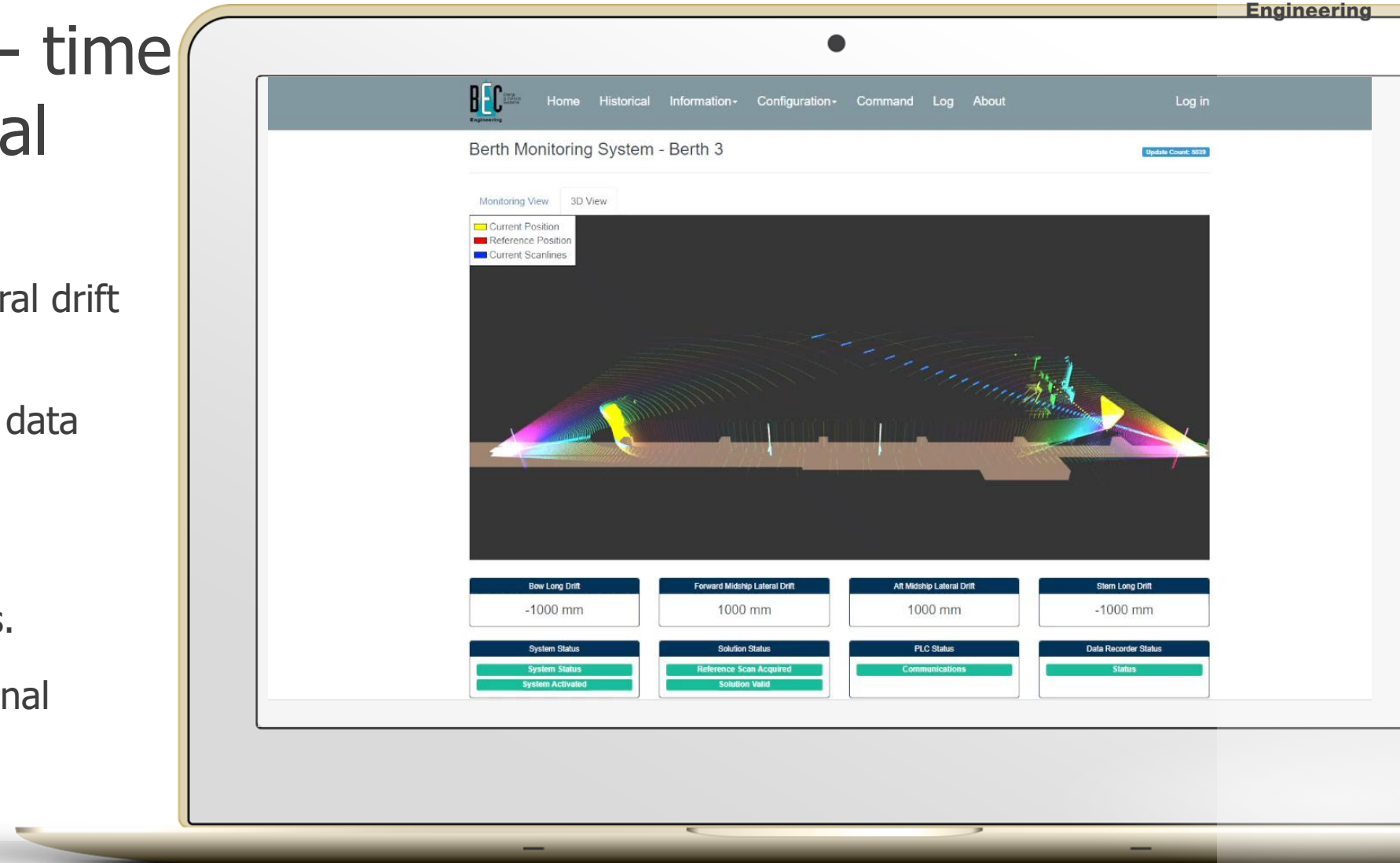
Support

Ongoing remote technical support available.

Web-Based Visualisation

BMS provides real- time display of all critical data.

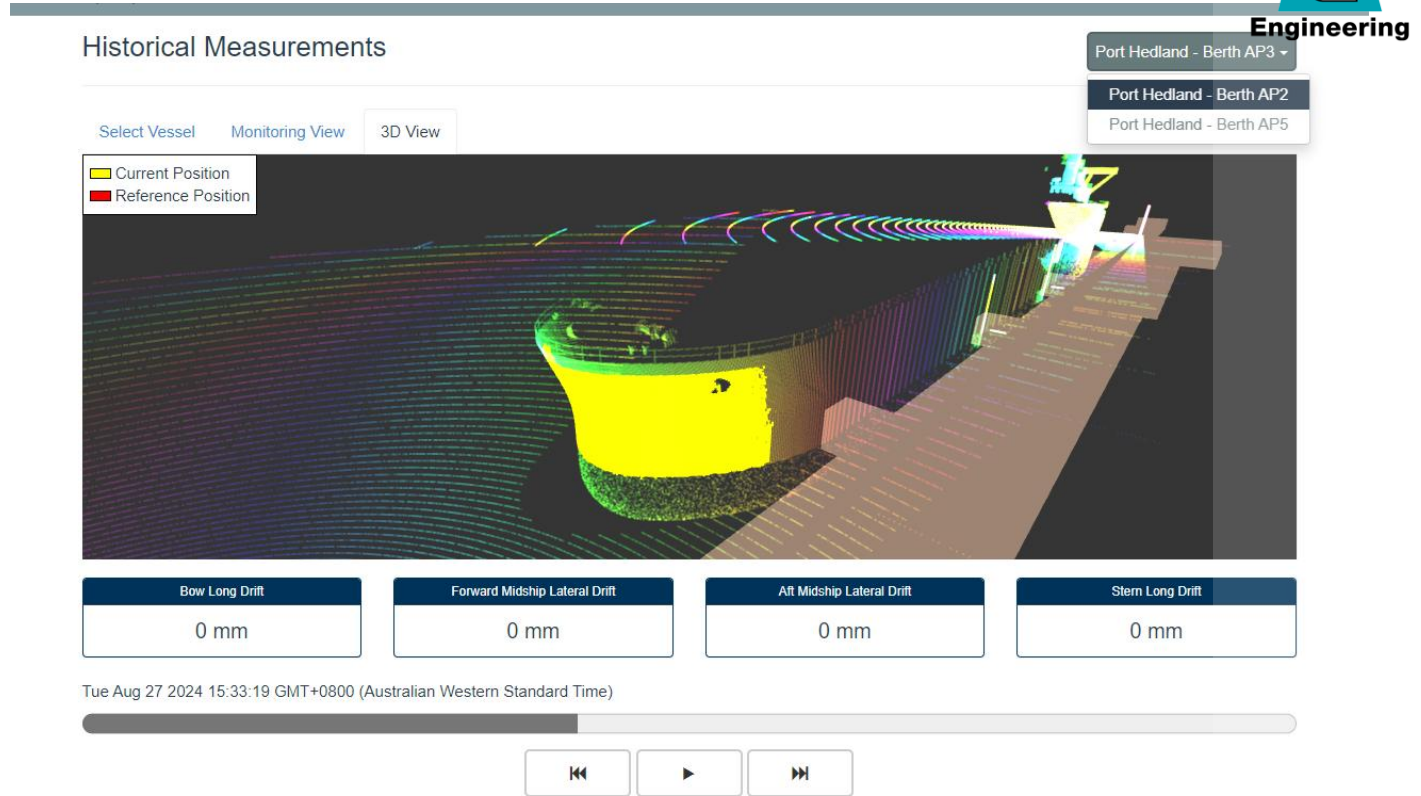
- Realtime vessel long and lateral drift data.
- 3D visualisation of laser scan data and vessel image.
- Status and alerts.
- Configuration and diagnostics.
- Browser based UI. No additional software to install.



Historical Data Recorder

Installation of the central data server provides a central repository for each berth's data which provides:

- Continuously recording of all scan data from each system
- Multi-user streaming of live berth scan data require only a HTML 5 compliant web browser.
- Time based playback of vessel position should an event occur.
- Use industry standard SQL Database
- One time installation and no client licensing.



Each berth scan data is logged to a central server for offline analysis and playback of vessel incidents

Turn-Key Installation

BEC can provide a complete turnkey solution, including:

- Full system supply, including mechanical frame and supports.
- Electrical Design and Drafting to Company standards.
- Control Systems Programming.
- Mechanical and Electrical Installation.
- Commissioning and Acceptance.
- Remote Support.





BEC Engineering Pty Ltd

Thank You

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