

LPDOC

LASER PARTIALLY DUMPED ORE CAR
DETECTION 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).
- Conveyor Bulk Measurement System (CBMS).
- Mobile Machine Collision Avoidance System (CAS).
- Radar Reclaimer Stockpile Faceup System.
- Stockpile profiling system.
- Ship loader Berth Monitoring.

And ...



LPDOC

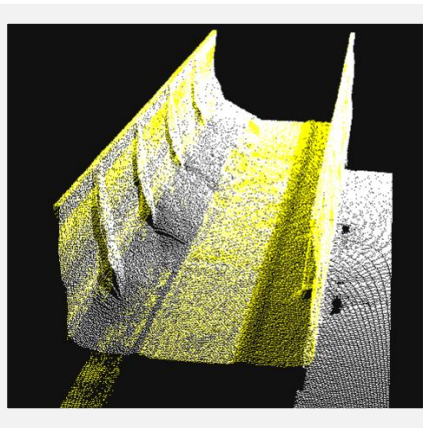
The system provides an innovative solution to the problem of accurately measuring the residual volume of ore in a wagon following the dumping cycle.

Key Features



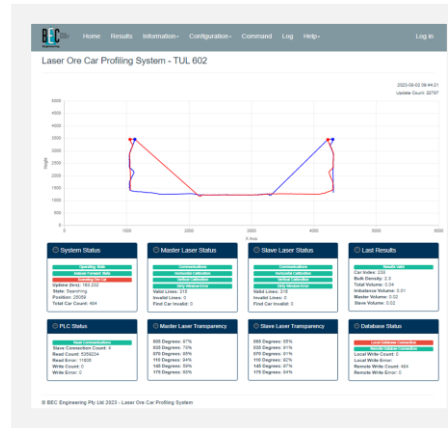
High Accuracy

High accuracy volume estimate using industry-proven LIDAR technology.



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.



Proven

With the initial installation in 2011, LPDOC has now been adopted across major ore-handling facilities in the Pilbara.



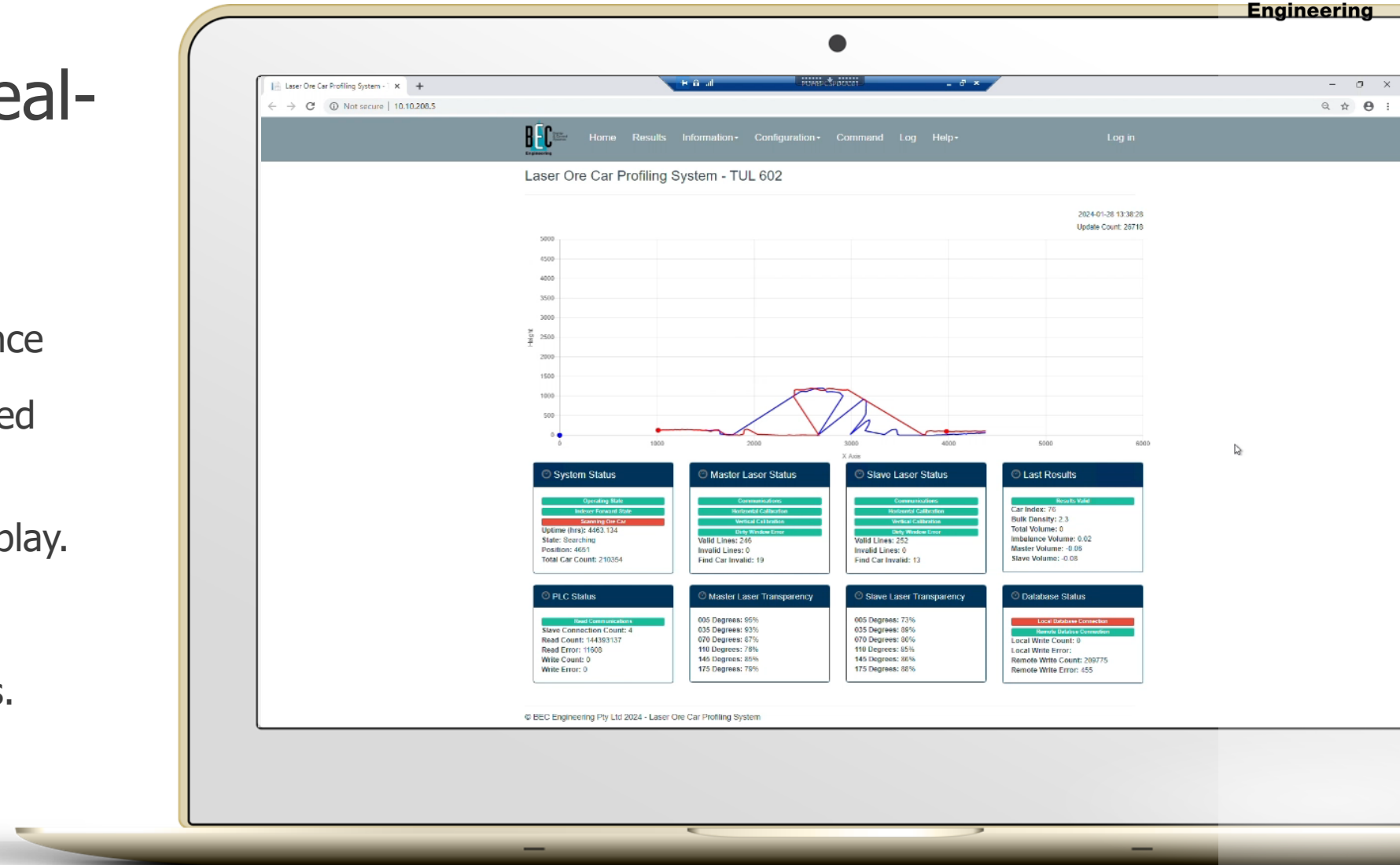
Support

Ongoing remote technical support available.

Web-Based Visualisation

LPDOC provides real-time display of all critical data.

- Residual Volume and Imbalance
- Ore car statistics for misaligned bogie.
- Laser scan data graphical display.
- Status and alerts.
- Configuration and diagnostics.

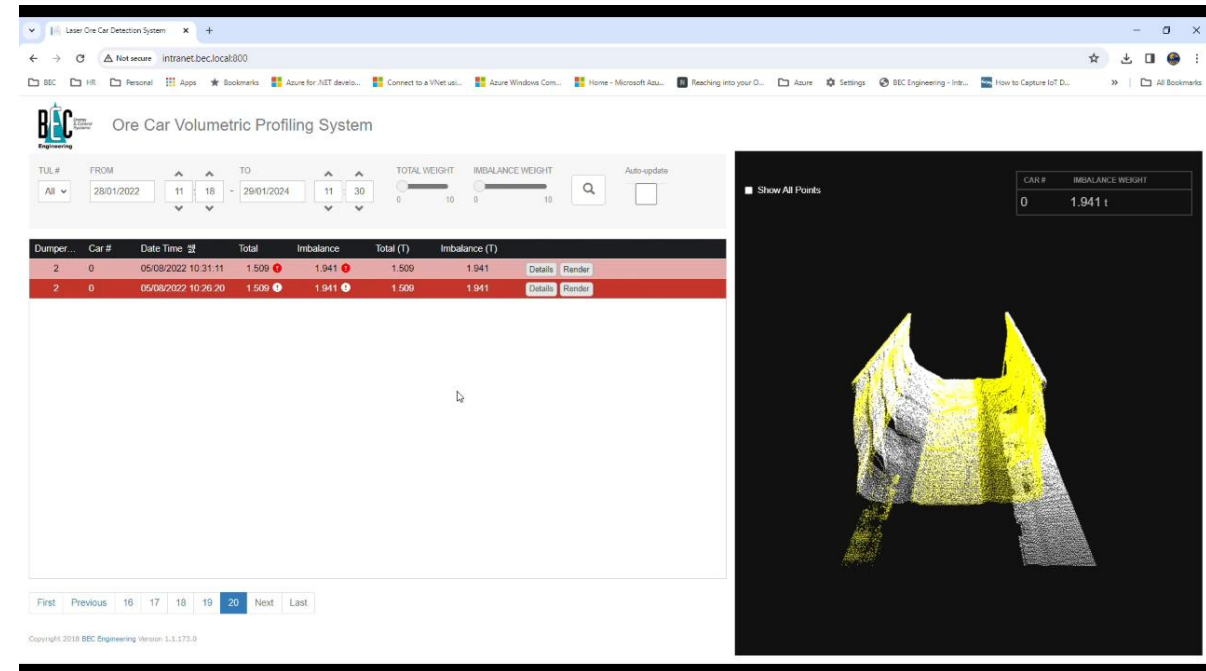


With the additional 3D Visualisation Server, all ore car data can be logged and rendered in 3D to a central database server for individual ore car verification or fleet analysis.



3D Visualisation

Remote operator 3D tools for verification or subsequent event analysis.



Turn-Key Installation

BEC can provide a complete turnkey solution, including:

- System supply, including mechanical 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

 Michael Drake-Brockman

 +0457 002000

 mdrake-brockman@bec-engineering.com.au

 <http://www.bec-engineering.com.au>

