



BRISBANE



CONSTRUCTION



LASER SCANNING

Hutchison Builders

BRONCOS TRAINING FIELD



PROJECT SUMMARY

Location: Brisbane Broncos Training Field

Service: 3D Laser Scanning, Flatness Reports

Hutchison Builders engaged HoloVision to produce accurate floor flatness reports during the re-laying of the Brisbane Broncos Football Club's training field.

Using 3D laser scanning technology, we were able to scan the training field to ascertain the differing levels of the field.



PROJECT CHALLENGES

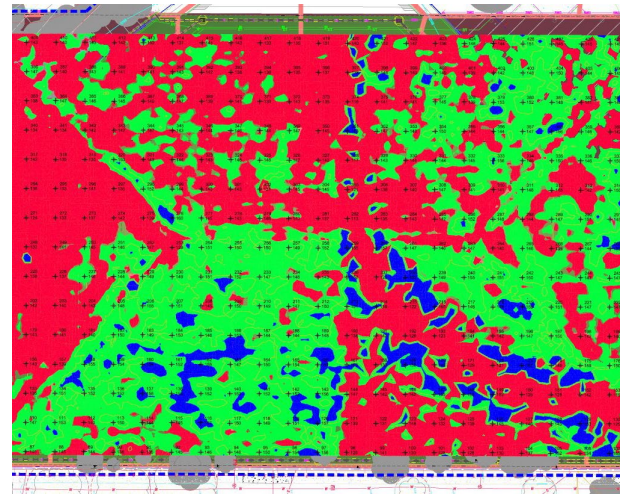
- The field consisted of 4 layers that each had to be quality tested before moving onto the next.
- The resulting data needed to be handed over on the same day of the survey.
- The date needed to capture approximately 1 point for every 1000mm.

OUR SOLUTION

Using **3D Laser Scanning** technology, we could easily isolate the floor area and determine its levelling.

The different levels of the training field surface are portrayed by the colours as shown on the above map output . The map output is based on the tolerances selected.

Surveyors would usually use a total station to complete this project, which may take a few days for only one layer. Using 3D Laser Scanning technology, we were able to complete the scan and process the data on the same day, as requested by Hutchison Builders.



Project Name: floorlevel

Length Measurement Units: Millimeters
Coordinate System: X, Y, Z
Coordinate Frame:

General Information

Grid Spacing	4000.00
Inspection Map Resolution	400.00
Reference Elevation	11.26
Tolerance	10.00

Volumes

Above Reference (Cut)	5.58
Below Reference (Fill)	-123.82
Exceeds Tolerance Above Reference (Cut)	0.78
Exceeds Tolerance Below Reference (Fill)	-76.16

Areas



PROJECT OUTCOMES

We were able to produce the floor flatness reports by capturing the data on site. The report provided accurate data and measurements of the field.

Using 3D Laser scanning technology our client was able to have an accurate analysis on the field's surface and it's levelling.

Hutchison Building were able to mitigate the risk and expensive costs that could have occurred without a thorough understanding of the field's surface.

3D Laser Scanning technology not only reduces cost, due to time saved, but also improved accuracy.



CONTACT US

PHONE (07) 343 7414

EMAIL info@holovision.com.au

www.holovision.com.au

QLD | VIC | NT



SCAN ME

