

# Ronin



**BINS**



**BUNKERS**



**STOCKPILES**

**MOMENT IN TIME**

# Ams

WE PROVIDE THE FOLLOWING SOLUTIONS  
BULK COMMODITY INVENTORY MANAGEMENT / PROCESS & QUALITY CONTROL (NIR/NIR/FT-NIR/CAPACITANCE)  
QUANTITY SURVEYING AND MOMENT-IN-TIME AUDITS / PRECISION FARMING  
YIELD MONITORING, WEIGH LOAD MANAGEMENT & CAMERAS AND ALERTS.



**WWW.RONINGMS.COM** **WWW.RONINIS.COM**



A FAST, ACCURATE AND COST EFFECTIVE BULK QUANTIFICATION SOLUTION



# 3D SURFACE MAPPING BULK QUANTIFICATION SOLUTION

Accurately determine the exact volume of collateral bulk in storage.

By choosing the **AIMS** solution you can obtain accurate moment in time audits, displacement audits as well as supply verification audits. These audits are of great value to all bulk commodity handlers since ships, railway and road transport can be planned with ease and reconciliations can be done with accuracy.

## THE AIMS REPORT

Once a survey has been completed an AIMS audit report will be generated.

Typically an AIMS report will contain a 3D surface map and height graphs along with relevant information such as bulk densities, tonnages and volumes. Depending on scope of work reports are usually generated within 24 hours.



BINS



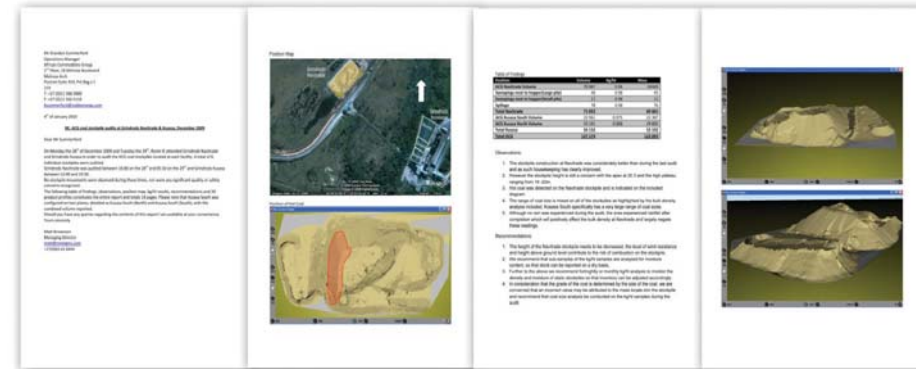
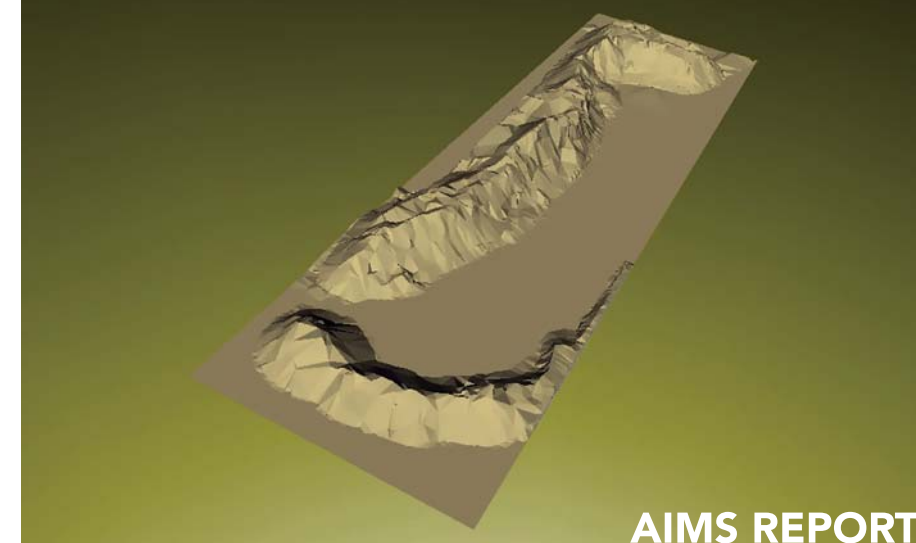
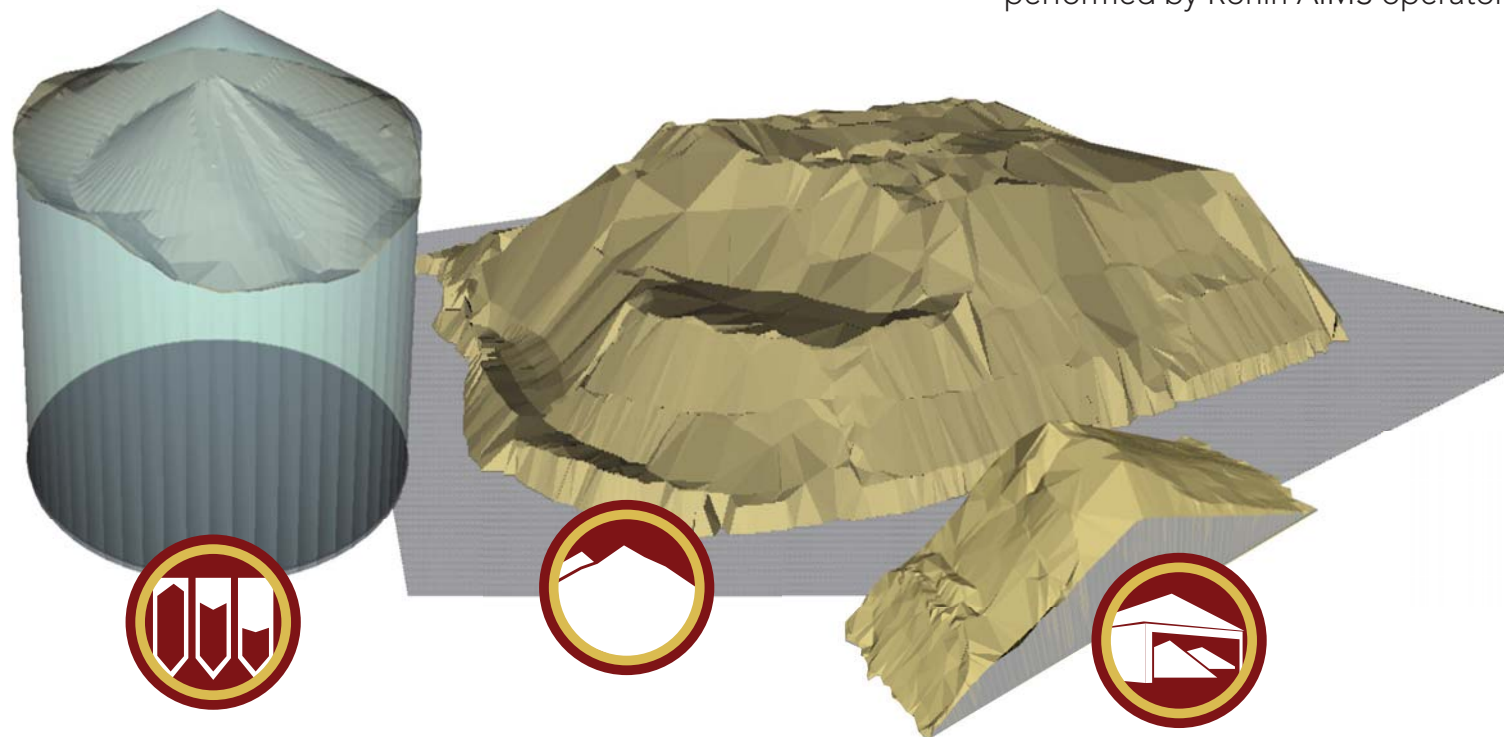
BUNKERS



STOCKPILES

## BINS, BUNKERS & STOCKPILES

Below are examples of actual bin, bunker and stockpile AIMS moment in time audits. All of the 3D surface scans presented here were performed by Ronin AIMS operators.



**AIMS** is the ideal solution for bulk quantity surveying and the moment in time audit of bulk commodities stored within silo bins, on stock piles and in bunkers or warehouses.

### AIMS GIVES YOU:

- Volumetric Audits
- Bulk Density Verifications
- 3D Surface Maps
- Height Graphs
- Volume & Mass

AUDIT EXAMPLES



For further information or a quote please contact us on +27 (0) 11 608 3666 or e-Mail: office@roningms.com or office@roninis.com. Visit our websites for this and other Ronin solutions: WWW.RONINGMS.COM • WWW.RONINIS.COM • WWW.RONINGMS.COM • WWW.RONINIS.COM • WWW.RONINGMS.COM

# Ronin

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## RONIN SOLUTIONS

A quick guide



INVENTORY  
BINS



INVENTORY  
BUNKERS



INVENTORY  
STOCKPILES



CONSTITUENT  
ANALYSIS



CAMERAS  
& ALERTS



PRECISION  
FARMING



ON-BOARD  
WEIGHING



PORT SIDE  
SERVICES



MARINE  
SERVICES

**MOMENT IN TIME & QUANTITY SURVEYING**