

TOPOGRAPHIC AUDIT OF LARGE VOLUMES OF AGRICULTURAL PRODUCTS

Case Study: Topographic Audit – Agricultural Corporation

An agricultural organisation needed a solution to **complete inventories** of large volumes of products stored in silos and warehouses

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TOPOGRAPHIC AUDIT OF LARGE **VOLUMES OF AGRICULTURAL PRODUCTS**

Case Study: Topographic Audit – Agricultural Corporation

An agricultural organisation based in Brazil, required the support of RGIS. The corporation supplies agricultural products and services and employees approximately 1,700 staff, with more than 6,000 members. It operates in the grain storage segments such as corn, soy, peanuts and others. It also has supermarkets, gas stations, fuel distributors, insurance companies, hardware stores and department stores.

REQUIREMENT

The agricultural organisation had no solution to carry out inventories of their products with any reliability. With large volumes, any loss or deviation meant very large losses. The company needed bespoke technology to complete inventories of large volumes of products stored in silos and large warehouses, so required RGIS to provide the following:

- Conduct an inventory of all products across four locations in Brazil
- · Complete a topographic inventory on the following products:
 - · Bulk products in 6 silos including corn, soy and wheat
 - Bulk products in 18 warehouses including peanuts and sugar
 - Products stored in bags including peanuts, rice and beans
- · Complete the inventory efficiently and in a timely manner

SOLUTION £

The agricultural organisation partnered with RGIS to complete the topographic inventory project, and RGIS provided the following:

- The process consisted of a laser scan that produced a cloud of points that reproduced the scanned object. The process used techniques common to conventional topography
- Scheduled a team of two RGIS experienced auditors to complete an inventory of a inventory a warehouse or silo per day
- Specialised laser scanners were used that were rented from a third party
- · A laboratory completed density and moisture tests

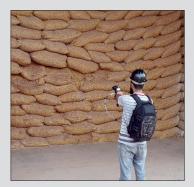
RESULTS

The agricultural organisation found by outsourcing the topographic inventory project to RGIS, the following results were achieved:

- Teams accurately measured and inventoried products at all locations requested by the customer, in silos, warehouses and bags
- RGIS teams delivered an accuracy of 99.8%
- The customer was very satisfied with the process and receiving results in one day



By partnering with RGIS, the agricultural organisation was able to complete topographic inventories of large volumes of products stored in silos and warehouses accurately and efficiently



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Topographic Audit

Information Gathering



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