

# Stockpile Auditing & Volume Estimating

## 50% faster

Than traditional quarry surveys



## AT A GLANCE

### DETAILS

**Company:** PricewaterhouseCoopers

**Location:** Global

**Industry:** Professional Services

**Activity Type:** using drone technology for efficient stockpile auditing

### BENEFITS

- Traditional quarry surveys can take a whole day whereas using a drone only takes 1/2 a day.
- Safer as the team needs to be in the field for less time

“PwC acknowledges the significant role of drone technology in aligning with International Auditing Standards and enhancing audit quality. Drones have been crucial in safely and accurately measuring inventory volumes, especially in challenging environments like mining sites. This technology is becoming an integral part of PwC's future inventory audit approaches.”



## ISSUE

The main challenge in the auditing and accounting profession is adapting to technological advancements and stakeholder needs. Specifically, there's a need for auditors to accurately verify volumes reported by clients, for stockpile auditing (e.g., coal, biomass, aggregates).

## SOLUTION

The solution is a tech-enabled auditing approach involving the use of drones. This method involves capturing an independent volumetric dataset via drone at the same time the client uses their counting methods. The auditor then compares the independently collected data with the client's reported volumes, ensuring accuracy and completeness.

## BENEFITS

### Continuous operations



Client operations remain uninterrupted as drones collect data from above



### Improved Safety

Data collection from a safe distance reduces health risks.



### Enhanced Efficiency

Drones capture a vast number of data points, enhancing measurement precision.



### Scale up benefits

Auditors can access accurate digital models remotely, facilitating global operations.



\*According to PwC report

