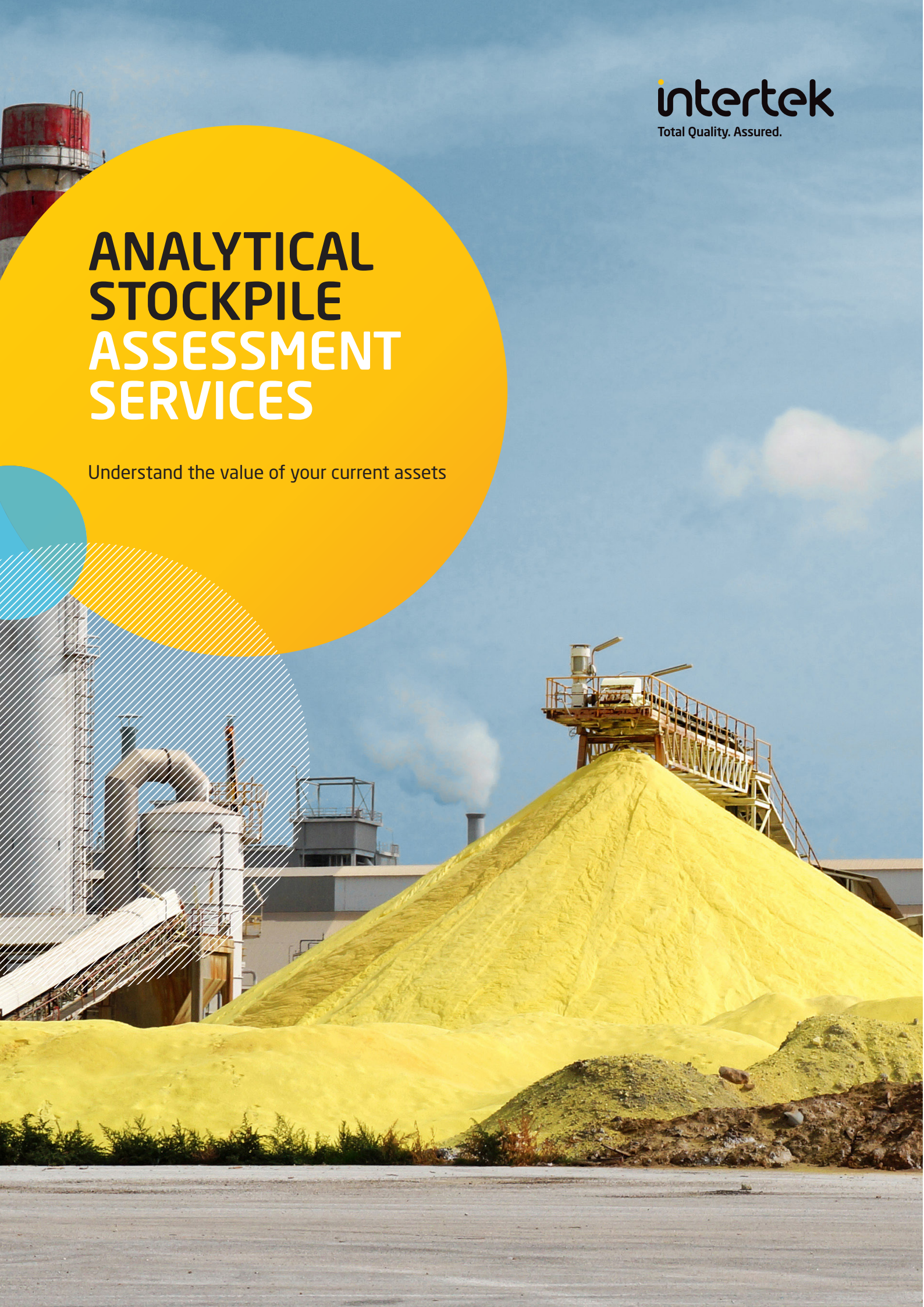


# ANALYTICAL STOCKPILE ASSESSMENT SERVICES

Understand the value of your current assets



# Improving asset control and information management

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Effective stockpile inventory management is critical to understanding the value of your current assets. Whether you are acquiring another company, buying or selling assets, transporting bulk materials or trialling a new product, the ability to apply an accurate tonnage value to your stockpile is a key factor in executing a successful and timely transaction.

Stockpiles can be made up of various commodities or particles such as coal, iron ore or other minerals, chemicals or fertilisers, grains, rock material or shifted earthworks. As a tangible asset, stockpiles frequently require independent or third party assessment to confirm the value and quantity on-hand at any one time.



Intertek's stockpile evaluation services provide you with greater asset control and improved data management.

#### Accurate tonnage evaluations

Intertek's accurate tonnage evaluations provide the following benefits to a variety of industries:

- Support decision making
- Optimise resource consumption
- Improve financial reporting and taxation compliance
- Support IPOs and capital raisings
- Ensure compliance with government regulations
- Meet national and international standards

#### Scientifically proven measurement techniques

We are pioneers of science-based, analytical methodologies for the accurate measurement of stockpile tonnage and subsequent determination of value, awaiting patenting of our innovative, scientifically-based technology (patent application # GB1614223.4). Our unrivalled experience enables precision based volume and bulk density estimates of particulate stockpiles (up to 0.2-1.6% accuracy). The results of our proven measurement techniques may provide significant financial gains, often adding up to millions of dollars.

Determining the bulk density is an important part of the tonnage calculation. When measuring bulk density, we consider a range of variable factors such as compaction, height and depth, storage environment and conditional factors including humidity.

We engage advanced technologies for volume measurement, including laser scanning techniques, Total Station and global positioning system equipment.

#### The Intertek difference

We tailor our approach to your unique business requirements and partner with you to achieve your

operational and financial targets with precision and pace.

Our reputation for confidentiality and quality makes us the partner of choice within the mining, agricultural, power generation, financial, insurance, government and private sectors.

Intertek is a Total Quality Assurance provider to various industries worldwide, going beyond testing, inspection and certification.

Among our clients are Energy Australia, Synergy Energy, NSW Government, Delta Electricity PS, Vales Point Power Station, Mount Piper Power Station, ANZ Group, Cargill Grain, Viterra, Macrofertil Australia, Louis Dreyfus, Orica and Newcrest.

Our clients benefit from an international network of experts, the latest technological developments in stockpile assessment and scientifically proven results.

#### From project entry to exit, our analytical services stack up

Our independent stockpile management services extend beyond tonnage assessment. Our services can be engaged at any point in your project lifecycle and scaled to support a single function, or an entire operation.

Intertek's stockpile inventory management services include:

- Volume determinations using the latest laser technologies
- Particulate sampling across the stockpile
- Product quality assessment in our NATA accredited laboratories
- Measurement of product density distribution
- Analytical assessment of data for improved stockpile management
- Comprehensive reporting tailored to your needs

**Scientifically proven results.**  
**Total Quality. Assured.**





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