



# Acoustic Integrity Tester

Reliable Insights for Lasting Acoustic Integrity

**Asset  
Longevity**

**Proactive  
Maintenance**

**Performance  
Optimisation**

# Transducer Integrity Verification

The Sand Gecko produces targeted signals mimicking the noise of a sand producing well. The output of the transducer under test is then compared with the database of known transducer responses to determine the health status of a given sensor.

Over time this methodology allows for tracking the integrity of acoustic transducers and identifying those whom have either failed or are showing significant signs of degradation.



# Limitation to Traditional Methods



Separation of testing location and sensor data visualisation lowering confidence of testing methods.



Simple “rule of thumb” approach using non-repeatable methodologies e.g., sandpaper scratch test or wire brush test.



Test results rely on binary pass/fail understanding of data. Lack of proper analysis.



Reading results devoid of any context for transducer performance over time.



Sensitivity Test

# Maintaining Transducer Integrity with Sand Gecko

- ✓ On-site maintenance and troubleshooting
- ✓ Rapid verification
- ✓ Portable design tailored for quick analysis in workshop.



01

Early identification of sensors that may not be accurately reporting solids production.

02

Opportunity to replace sensors prior to an erosion event occurring or loss of containment can be easily repeated to increase confidence.

03

Preventative maintenance is better than dealing with reactive repairs or HSE event.

04

Optimise production for maximum acceptable sand rate

# Product Features



Able to verify the integrity of the acoustic sensors.



Provide results of testing immediately.



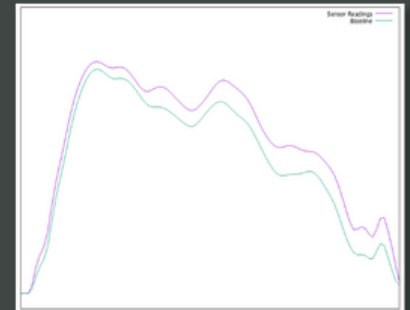
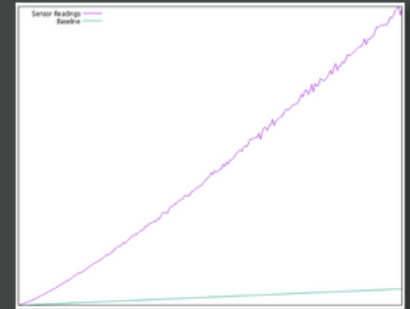
Test results can be collected into several report types

- **Day Report** – show all tests for a days worth of analysis
- **Tag Report** – show all results for a sensor over it's lifetime
- **Date Range Report** – show all tests for a given date range.



Full Frequency and Amplitude Range Testing.

**If current tests are not what is desired, bespoke Transducer Tests can be created for a variety of Sound Profiles.**



*Sample of sensor readings*

## Designed with High Compatibility

The Sand Gecko is an ideal complement for thorough sensor diagnostics and verification as it is designed to assure optimal functionality and reliability across wide range of sensor types, including OEM and third-party sensors.



Brand X



Brand Y



Brand Z



## Let's Keep in Touch

# Contact

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