



CAPABILITY
STATEMENT

Independent geotechnical monitoring, analytics & decision support

Integrated Data. Informed Decisions.

DTG is the independent layer between your instruments and the decisions you have to defend — turning monitoring data from any sensor into evidence-based insight for mining and infrastructure operations.

SURFACE TO UNDERGROUND, IN OPERATION

50,000+

Alarms reviewed

10,000+

Hours of monitoring coverage

500+

TARP trigger responses

950+ km

Scan & deformation-drive throughput

50

Confirmed falls of ground

24/7

Remote Monitoring Centre

WHO WE ARE

The independent layer

DTG (Digital Twin Geotechnical) provides independent geotechnical monitoring, analytics and decision support for mining and infrastructure operations. We sit between your instruments and the decisions you have to defend — aligned with your operation, not any vendor's product.

Our approach is sensor-agnostic: we integrate data from the instruments you already have, condition it into a traceable processed dataset, and support the evidence-based review that stands up to scrutiny.

WHERE WE WORK

Four environments, one discipline

Open-pit mining

Slope movement that can build toward failure in shifts — radar and multi-sensor coverage into real-time review and escalation.

Tailings storage facilities

Gradual settlement and seepage over years — InSAR and multi-sensor coverage conditioned into a reliable long-term record.

Underground mining

Convergence read by comparing scans over time across restricted, complex workings.

Infrastructure & civil

Dams, slopes, tunnels and civil assets — the same independent monitoring and analytics, applied above ground.

WHAT WE DO

Capabilities

- Independent monitoring across the asset lifecycle, sensor-agnostic and vendor-neutral
- Data analytics — noise, drift, outliers and data-quality issues identified and conditioned within a traceable processed dataset, with original source data preserved
- Evidence-based review and optimisation of alarm and TARP thresholds
- 24/7 remote monitoring coverage from our Remote Monitoring Centre
- Decision support that stands up to technical and regulatory scrutiny

CREDENTIALS

Leadership

Led by founders with decades of combined experience in slope stability radar, multi-sensor monitoring, mine geomechanics and structural geology — combining geotechnical domain expertise with software, data and analytics engineering.

RPEQ

CP (Geotech)

20+ years geomechanics

International monitoring leadership

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