



Precision surveys for civil, mining and infrastructure.

Find out more at www.culhigsurveying.net.au

Relationships built on precision, reliability and efficiency.

Culhig Surveying is an engineering survey firm delivering precision geospatial solutions to the civil, mining and infrastructure sectors, Australia-wide. From land development and cadastral surveys through to engineering and site surveys, we have the industry capability to handle world-class technical projects from feasibility right through to construction and closure.

Servicing every major resource hub in Australia, Culhig Surveying understand unique site requirements from the inside out, scaling our services to a project's unique size and technical requirements. From engineering, licensed or mine surveyors, we can rapidly deploy the right people to site, giving you the direction and expertise, you need to keep your project on track.

Established in 2014, our reputation and sustainability are founded on our service guarantee – precision, reliability and efficiency. No matter where your project takes us, our delivery promise is unwavering in quality.



Precision. Reliability. Efficiency.



A direct line of sight to your mine plan.

When it comes to engineering mine surveys, our services create new pathways to development.

Our experience in the industry has led us to design extended survey options for clients looking to overcome operational challenges. Where cost efficiencies are priority, we can fast track aspects of the feasibility stage - assisting with planning and design, completing topographical surveys, and supporting civil works such as haul road and overland drainage design. Our extended survey services have the potential to add value to any aspect of mine development.

We are open to discussing new ways of working that give you more time to focus on drilling and plant design.

Examples of our extended mine survey services include:

Site Investigation

The crucial initial collection of spatial data for any conceptual development.

Control Verification

A vital step in your project planning. Control forms the basis of which all future works will relate to.

Feasibility Studies

Identifying site constraints and opportunities through various mapping and analysis methods.

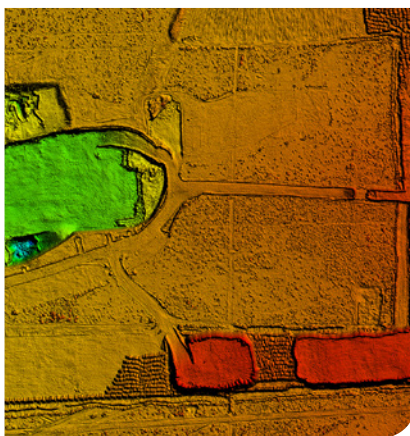
Preliminary Designs

A natural progression from our initial investigative works, we utilise data obtained to produce comprehensive design proposals.

Open Pit and Underground Surveys

Whether you are at startup, production or closure phase, striking the right balance between our surveying service and your project's stage of development or operation is our priority. We are used to working in continuous production environments and can cater for short or longer-term contracts.

We keep you on track in the right direction above and below the ground with scalable work arrangements that include subcontracting agreements or project-based scope of works. We can supply the labour and equipment around your resourcing model.



Surveying capabilities trusted by industry.

Our commercial land surveying services cover every aspect of your project development.



Planning & Design

Site Establishment

Our surveyors are skilled in the reestablishment of boundary markers (also known as pegging) to validate the true location of boundaries. The starting point for any land development or construction, accurately marking out your land parcel provides the assurance, positioning and risk mitigation for any future works.

From here we can establish new control points, or verify existing points, providing a virtual grid that integrates with your site's coordinate systems and is compliant with relevant standards and legislative requirements.

Topographical & Feature Surveys

We have the technology and experience to help you visualise and understand the lay of the land. Engaging conventional survey methods we capture geospatial data and prepare detailed contour maps that display the existing ground and any existing features on site. Taking measurements with GPS, total stations and unmanned aerial systems, our precise and professionally drafted plans underpin this vital initial step in your project initiation and costing.

Design Assistance

From conceptualisation to construction and final delivery, we are on board throughout the lifecycle of your project. Our mapping and interpretation techniques highlight site constraints and opportunities to produce comprehensive design proposals, 3D project visualisations or fly throughs, to build a better understanding of quantities and costs involved in site works and support further strategic planning.



Engineering

Civil & Infrastructure

Supporting large scale developments across Australia, our engineering surveyors partner on high-end construction including major roads, bridges, structural concrete, earthworks and associated high tolerance works. Using precision equipment and proven methodologies our reputation is built on quality spatial data, and delivery that is on time and within budget.

Structural, Mechanical & Piping

Keeping your field operations mobilised, we remove the potential of costly errors throughout the construction and commissioning of structural and mechanical project elements. From modular construction to equipment installation and calibration, we complete the checks and verifications to ensure assembly, positioning and installation is accurate and compliant.

Dimensional Control & Scanning/Modeling

Working closely with plant and construction managers, we engage state-of-the art applications to accurately measure 3D spaces and objects. Our monitoring and control experience combined with modern survey equipment provides many advantages including 'clash free' design and installation of components, elimination of on-site 'hot works' and management of safety risks.



Mining

Mine Development & Construction

Our geospatial services play a critical role in mining exploration and mine monitoring. A combination of aerial and ground survey techniques can be engaged during the developing phases of a mine to better assess the resource, quantify development costs, provide terrain definition and record a baseline for any future rehabilitation activities.

Mining Operations

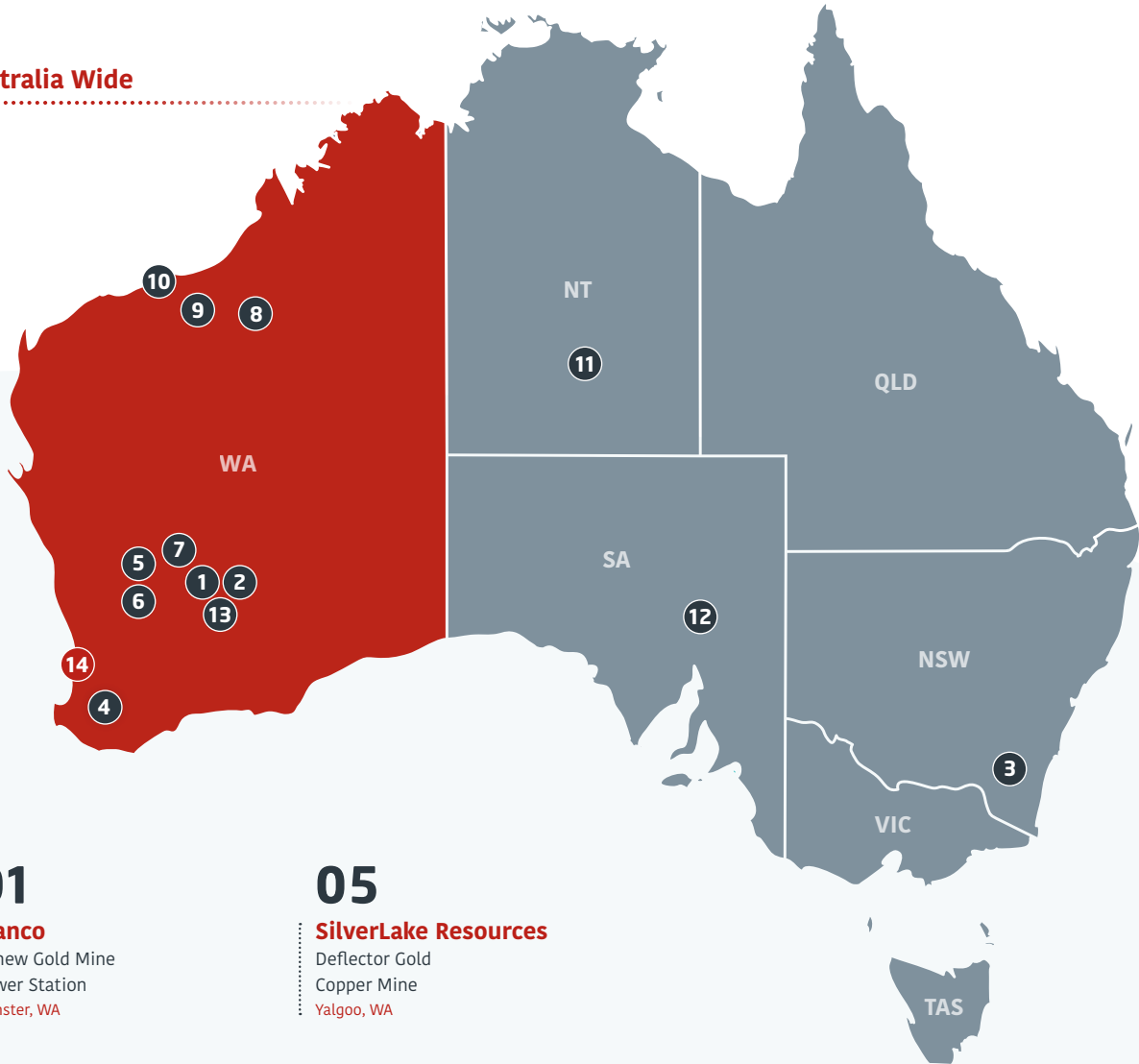
From open pit to underground surveys, we are experienced across a range of mines recovering for precious and non-precious metals and minerals, supporting future planning of the mine for further development and environmental management. From taking accurate measurements, to preparing plans and volumetric reports, our authorised mine surveyors are Grade 1 and 2 certified and partner with your mine planners and engineers to bring the best open pit and underground expertise to maintain a safe work environment.



Defining the space in major projects.

Working across all major resource hubs in Australia we have proven our ability to work in demanding environments while meeting stringent operating criteria and standards.

Australia Wide



01

Flanco

Agnew Gold Mine
Power Station
Leinster, WA

02

Nacap & SCEE

Agnew Windfarm
Leinster, WA

03

Jagcor

Dargues Creek
Gold Mine
Canberra, ACT

04

AGC

Talison
Lithium Plant
Greenbushes, WA

05

SilverLake Resources

Deflector Gold
Copper Mine
Yalgoo, WA

06

GNT

Dalgaranga
Gold
Yalgoo, WA

07

Ramelius Resources

Mt Magnet Gold
Mt Magnet, WA

08

Consolidated Minerals

Woodie Woodie
Telfer, WA

09

Atlas Iron

Corunna
Downs
Marble Bar, WA

10

Doolee Construction

BHPB Warehouse Facility
Port Hedland, WA

11

Exact Mining and Contracting

Tanami Road Upgrade
Alice Springs, NT

12

GR Engineering

Carrapateena
Boreline Project
Gawler Craton, SA

13

Echo Resources

Bronzewing Gold Mine
Leinster WA

14

Culhig Surveying

Head Office
Location
Southern River, WA

Industry leadership in surveying.

From the field to the office, we embrace a work environment that encourages industry leadership, while respecting our clients' work cultures, processes and expectations. In everything that we do, we value the impact that our ability to deliver has on your project's reputation and success.



Our Safety Ethos

Running a transparent operation is critical to our success, we have a vested interest in improving the standards and approaches taken by the surveying industry. In the area of mining innovation, we aspire to have zero industry related accidents, injuries and related costs by embracing new smart technologies and automation.

All works completed come with our QA/QC guarantee and are delivered to a strict set of operational procedures that are monitored and regularly updated. Compliance is important to us, which is why we make sure to adhere to all of our clients' systems and procedures.



Our Technology

Our drive to innovate stems from our motivation to provide our services more efficiently. With this in mind, we are continually seeking new technologies and applications to ensure we stay nimble and adaptable to the new approaches that impact our industry.

We know you rely on us to provide a precise service that is delivered safely and with integrity. By making available the latest technologies and methodologies, our clients benefit from cost savings, greater accuracy, improved deliverables and flexible working options.



Our People

Our solution-oriented people live our ethos of precision, reliability and efficiency. We foster an environment of continuous improvement and draw on our experience and qualifications to produce smart solutions for unique challenges.

Our team is employed not just on technical excellence, but for their passion for doing the job right, the first time. Our team consists of site managers, engineering surveyors, and licensed and mine surveyors who hold a mining engineering qualification where relevant.



Our Promise

Working with Culhig Surveying means you are always front of mind, every project we undertake is overseen and managed by our extended team.

We will not take on anything we cannot deliver, and our portfolio is testament to our ability to handle world-class projects.

**PRECISION,
RELIABILITY,
EFFICIENCY.**



LET'S MEASURE SUCCESS TOGETHER

M: +61 (0) 419 891 379

E: admin@culhig.net.au

Find out more at www.culhigsurveying.net.au