2026

Capability Statement

More than just Surveying...

From our Managing Director

BCE was founded in 1994 in Bunbury, Western Australia and our focus was simple: deliver reliable, high-quality surveying services and build lasting relationships with our clients. Over the years, that commitment has taken us on a journey of steady growth, stronger capabilities and an expanding footprint with our expansion into the East Coast market.

I'm incredibly proud of what BCE has become. Our success is built on the people in our team – their professionalism, technical expertise and the culture they bring to work every day. We place a strong emphasis on quality, safety, and consistency, because we know our clients rely on us to deliver outcomes they can trust, on every project, every time.

We have invested heavily in world-class technology and systems to ensure we remain at the forefront of our industry. This allows us to deliver accurate, efficient and reliable results, while continuously improving the way we support our clients and project partners.

What sets BCE apart is not just what we do, but how we do it. We value long-term partnerships, clear communication and practical solutions that add real value to our clients' projects. As we continue to grow, those principles remain unchanged.

Looking ahead, we're excited about the opportunities to collaborate with new clients and partners, Australia wide. Our continued investment in people, technology and capabilities ensures we deliver reliable, high-quality outcomes and support the success of every project.

Thank you for considering BCE, we look forward to the opportunity to work with you.

Bill Catalano

Bill Catalano

Managing Director, BCE
Member of WAIS

Precision, partnership, and performance

Your national surveying partner

BCE is a leading national surveying, spatial, and geospatial consultancy. Since 1994, we have empowered Australia's most significant projects in the civil, construction, mining, land development, and infrastructure sectors by delivering trusted spatial intelligence. From coast to coast, we provide the certainty and clarity clients need to make critical decisions, mitigate risk, and drive project success.

The BCE advantage: Why partner with us?

Our approach is built on over three decades of proven performance and a forward-thinking mindset. We offer more than just data; we deliver confidence.

National reach, local expertise

With a national footprint of fully-equipped offices, we combine the resources of a major consultancy with the responsive, on-the-ground support of a local partner. Our teams in Sydney, Melbourne, Brisbane, Adelaide, Perth, and Bunbury understand the unique demands of their regions.

Proven reliability and a legacy of trust

For over 30 years, BCE has been a benchmark of accuracy and consistency. Our longevity is a testament to the lasting relationships we build and our unwavering commitment to quality and safety. Clients choose us for results they can depend on, every time.

Technology-driven, solution-focused

We invest continuously in advanced surveying, scanning, and spatial technologies. This allows us to capture superior data and translate it into practical, tailored solutions. We excel in delivering rich 3D spatial intelligence that supports informed decision-making throughout the entire asset lifecycle – from initial design to long-term management.

Core capabilities

Our integrated services are designed to support projects of all scales and complexities.

Surveying

- Licensed & Cadastral Surveying
- Engineering & Construction Surveying
- Civil & Infrastructure Surveying
- Land Development & Subdivision
- Pre-design Investigations
- Bathymetric Surveying

Spatial technology & data solutions

- Mobile & Terrestrial Laser Scanning
- UAV (Drone) & Aerial Surveying
- 3D Modelling, Digital Twins & BIM Integration
- Underground Utility Mapping & Damage Prevention
- GPS & Machine Guidance Solutions
- Underground Services Detection
- Lidar 3D Point Cloud

THE BCE ADVANTAGE

NATIONAL REACH, LOCAL EXPERTISE

PROVEN RELIABILITY & LEGACY OF TRUST

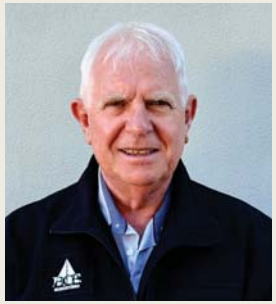
TECHNOLOGY DRIVEN, SOLUTION-FOCUSED

CELEBRATING 30+ YEARS IN BUSINESS EST 1994

The People Behind the Success

Meet the leaders dedicated to partnership and performance

Our success is driven by the expertise, integrity, and client focus of our leadership team. They provide the strategic vision and on-the-ground guidance that ensures every project benefits from decades of experience and an unwavering commitment to quality.



Bill Catalano
Managing Director | Founder

Driving our vision for innovation and client partnerships.

As the founder of BCE, Bill brings over 49 years of experience to every client relationship. He has guided BCE's growth into a national consultancy by investing in leading-edge technology and building highly skilled technical teams. Bill remains closely involved in strategic planning, providing clients with continuity, confidence, and long-term value.

Katrina Catalano
Chief Financial Officer | Director

The strategic mind behind our stability, governance, and systems.

Katrina plays a critical role in BCE's governance, financial management, and operational excellence. She has been instrumental in developing the company's robust financial controls, ISO-aligned management systems, and quality assurance frameworks. Her leadership underpins the commercial stability that makes BCE a low-risk, reliable partner.

Michael Little
BCE Boodja Surveying | Director

Leading culturally informed surveying with deep community knowledge.

A Noongar Yamatji man, Michael brings deep cultural knowledge and extensive experience in Indigenous land matters and Traditional Owner engagement. Through BCE Boodja Surveying, he ensures projects meet regulatory, community, and cultural obligations

John Hammon
National Director of Operations

Ryan Pearce
State Manager, NSW

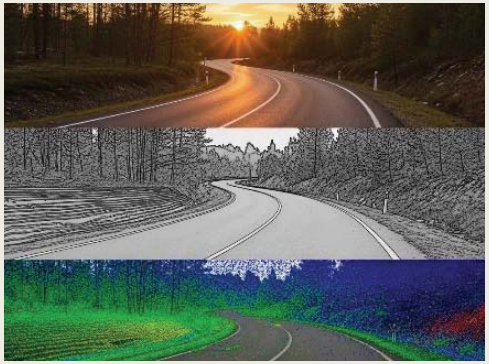
Daniel Johnson
State Manager, VIC

Jan Steenkamp
State Manager, QLD

Omid Besharat
State Manager, WA

Our national team of experts

BCE's management team is supported by an experienced national team of Survey Managers, Senior Surveyors, and Spatial Specialists. Our team brings vast experience across civil, mining, land development, and infrastructure sectors, including complex work in live operational environments. This practical, delivery-focused approach, combined with leadership involvement on every project, provides clients with accountability, continuity, and confidence from start to finish.



Imaging & Scanning

TOPOGRAPHIC EXTRACTION & MANIPULATION | ASSET IDENTIFICATION | PIPELINE & POWERLINE SURVEYS | ASCON SCANS | FACADES & INTERIORS | FACILITY MANAGEMENT | MOBILE & TERRESTRIAL LASER SCANNING | 3D & BIM MODELS

Innovative spatial solutions that support construction, development, engineering, and environmental sectors are a speciality of BCE.

Utilising mobile/terrestrial/aerial laser scanning, including high-fidelity photogrammetry, BCE brings precision, creativity, and cutting-edge technology to every project.

Using fixed and mobile 3D scanning hardware and specialised software, BCE's skilled professionals can provide infrastructure imaging and 3D modelling from the mobile laser scan.

Terrestrial laser scanning (TLS) capture can be utilised on investigation works, stockpiles, bridge scans, internal structures, large fixed and mobile plant and SMP (Steel, Mechanical & Piping).

Mobile laser scanning (MLS) is used when rapid, high-density 3D data acquisition is required over large areas or long linear corridors, typically to minimise on-site time and traffic disruption. It is ideal for road/rail surveys, urban mapping, asset management, and situations requiring safe, non-contact, or high-speed data collection.

With fast and accurate services and an ability to adapt to project parameters, we have the competitive edge in meeting your goals.

Engineering & Construction Surveys

ENGINEERING & CONSTRUCTION SURVEY | MINE ACCESS & HAUL ROADS | MAJOR EARTHWORKS, MINING CAMPS | TAILINGS, EARTH & CONCRETE DAMS | ROAD CONSTRUCTION | PIPELINES | MACHINE CONTROL | CONCRETE | TREATMENT PLANTS | INFILL SEWERAGE & WATER PRESSURE MAINS

BCE can provide surveying and associated services to a wide variety of public and private clients across the Development, Civil Engineering, Construction, Mining and Resource sectors.

BCE offers engineering and construction surveying services for projects of all sizes, durations and locations, with teams able to mobilise across metropolitan, regional and remote areas as required. Our experience includes major infrastructure and civil works, including earthworks, roads, bridges, tunnels, mining developments and land development projects.

Using modern survey technology, including terrestrial and mobile laser scanning, total stations, GNSS and UAV capture, BCE provides accurate spatial data to support design, construction, verification and asset management. Feature and contour surveys capture key site conditions, including surface levels, structures, drainage, sewerage, buildings and underground services.

From early planning through to construction set-out, conformance, verification and as-constructed deliverables, BCE helps clients reduce project risk, improve efficiency and maintain dependable asset records.

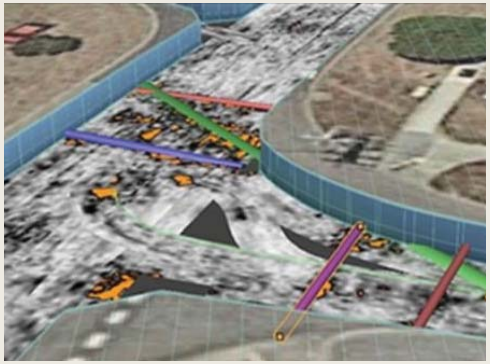
UAV & Bathymetric Surveys

ENVIRONMENTAL MONITORING | STOCKPILES | ASSET INSPECTIONS | VOLUMETRIC CALCULATIONS | VEGETATION SURVEYS | HYDROGRAPHIC SURVEYS | SEDIMENT ANALYSIS | HABITAT MAPPING | GEO-REFERENCED ORTHO | MULTISPECTRAL IMAGERY

Using the latest drones, BCE can fly overhead surveying at low altitudes safely and unintrusively. BCE provides geo-referenced, high-resolution imagery, video footage and 3D modelling.

UAV's are unique in that they provide minimal impact to those on the ground, flying overhead, work can continue without interference. BCE can efficiently survey small areas and provide geo-referenced, high-resolution imagery from low altitudes. We can fly at precise speeds allowing for accurate and precise capture every time. The latest L3 Lidar uses the highest level of penetration to capture ground levels and contours in densely vegetated areas.

BCE utilises the Seafloor Hydrone unit equipped with a Sonarmite BTX echo sounder for hydrographic feature surveys. This state-of-the-art equipment is designed to provide accurate and high-resolution data in a variety of marine environments, including rivers, lakes, and coastal areas.



Underground Utility Locating

UTILITY LOCATION | UTILITY CLEARANCE | PIPE & CABLE LOCATIONS | ROCK ASSESSMENTS & VOIDS | SUBSURFACE PROFILING | POTHOLING

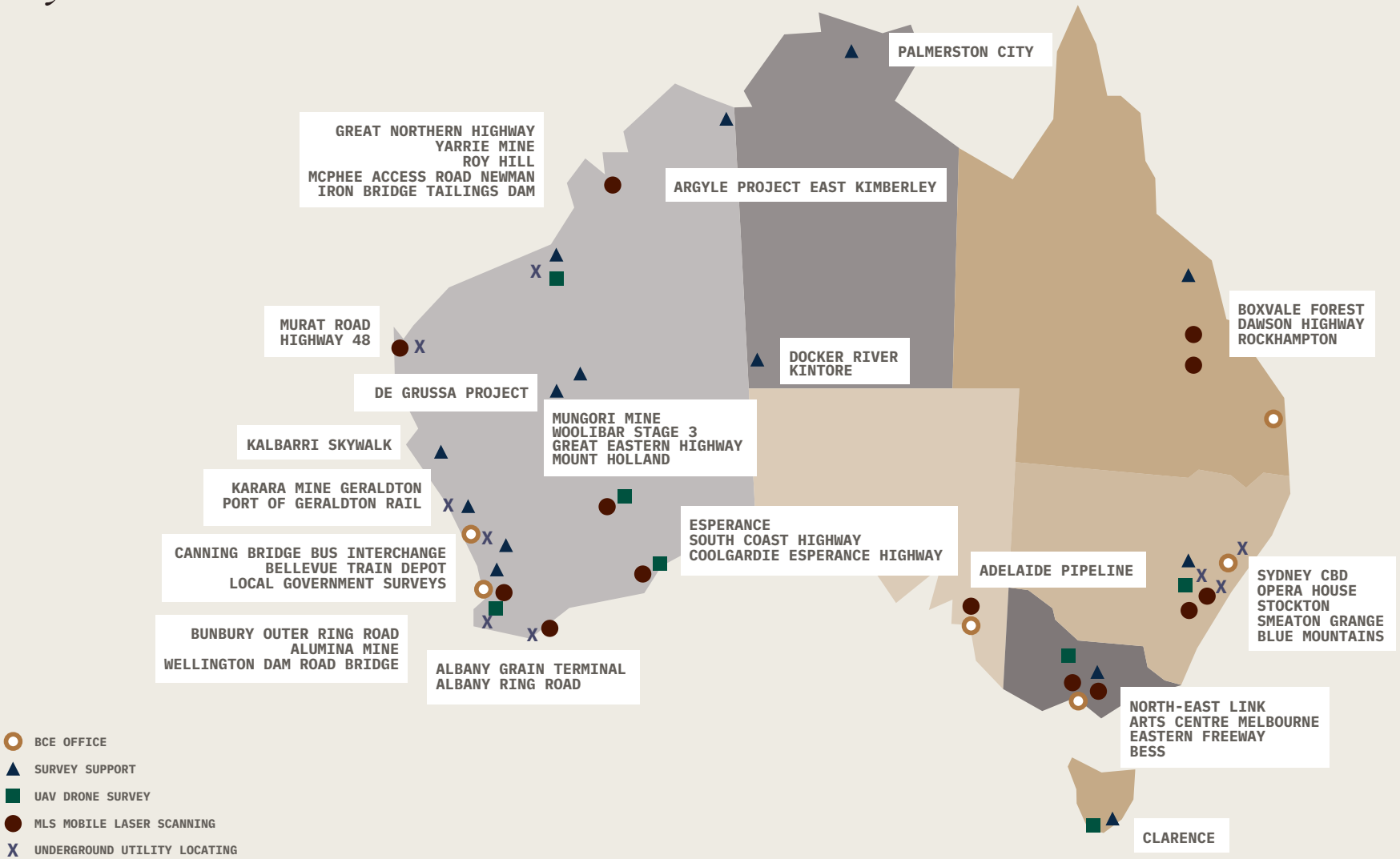
BCE's Geo Radar capabilities offer clients the quickest and most accurate means of identifying, imaging and cataloguing underground utilities and assets. The BCE team can collect comprehensive utility models that can be exported as 3D CAD models.

BCE uses advanced GeoRadar that exceeds the accuracy and capture time of conventional GPR processes. Using multi-frequency, multichannel technology that fully scans the ground BCE couple directly with GPS to record 3D features. Our specialised Stream UP GPR method captures 3D images over an entire area showing tree roots, voids and services.

BCE can capture and deliver a wide variety of infrastructure assets including sewerage, drainage, phone, water, power, gas, NBN and communication cables. BCE's methods are non-destructive and an efficient way to locate and map underground utilities with minimal interference.

National Reach, Proven Impact

Delivering certainty for projects of any scale, anywhere in Australia



Cultural Heritage Investigation

Subsurface investigation for Aboriginal heritage site

Stockton, NSW

10 HA
SURVEYED

171
ANOMALIES MAPPED

7 DAY
FIELD SURVEY

8 WEEK
END-TO-END DELIVERY

ZERO
GROUND DISTURBANCE

AT A GLANCE

CLIENT
Dept. of Communities & Justice

SERVICE
GPR Investigations (IDS GeoRadar Stream UP)

TECHNOLOGY
Non-Invasive GPR

DELIVERABLE
Subsurface Anomaly Heat Map

CHALLENGE

The Department of Communities and Justice required a definitive and culturally sensitive investigation across a 10-hectare site with the potential presence of Aboriginal burial grounds. The project demanded a non-invasive methodology that would avoid any ground disturbance while delivering high-confidence, defensible results for regulatory review and stakeholder engagement, all within a defined planning timeframe.

OUR SOLUTION

BCE developed and executed a specialised survey strategy utilising our IDS Stream UP to capture high-density, multichannel Ground Penetrating Radar (GPR) to achieve full site coverage. The non-invasive field survey was completed in just seven days. Our fully in-house approach ensured seamless project delivery, with our expert team managing all data acquisition, processing, interpretation, and reporting to guarantee quality and efficiency from start to finish.

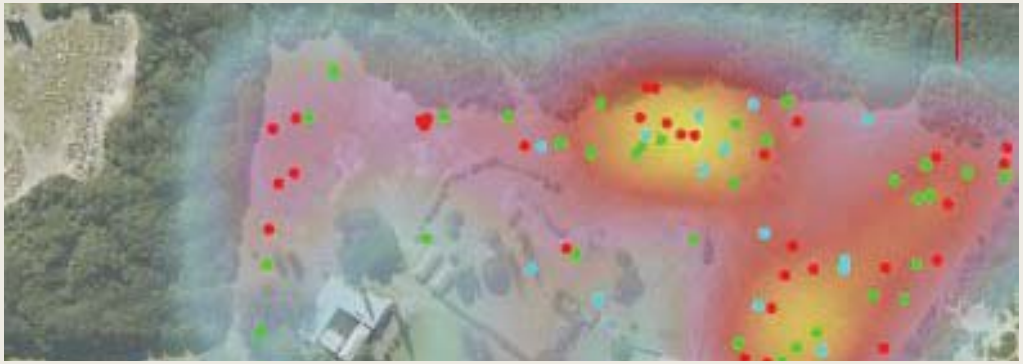
RESULT

Identified 171 Subsurface Anomalies: Our analysis detected, mapped, and prioritised all potential targets.

Enabled Confident Decision-Making: A clear, visual heat map was created, distinguishing high, medium, and low-confidence targets for both technical and non-technical stakeholders.

Reduced Project Risk: The definitive, non-invasive survey provided the certainty needed to prevent inappropriate disturbance and guide future intrusive works responsibly.

Delivered Culturally Responsible Outcomes: The project successfully protected the site's cultural heritage while achieving all planning objectives, establishing BCE as a trusted partner for sensitive government engagements.



UAV LiDAR Topographical Survey

Battery Energy Storage System (BESS)

Regional VIC

100 HA
SURVEYED

2 MONTH
DELIVERY

ON TIME & ON BUDGET

AT A GLANCE

CLIENT
Multinational Renewable Energy Corporation

SIZE
100 Hectares

SERVICE
UAV LiDAR & Topographical Study

TECHNOLOGY
Hybrid (UAV LiDAR + Traditional Survey)

CORE CHALLENGE
Large, vegetated site with restricted access and flight constraints

CHALLENGE

A major renewable energy client required a large-scale, high-accuracy topographical survey to support the planning and engineering design of a Battery Energy Storage System (BESS) facility. The 100-hectare site in regional Victoria presented significant challenges, including remote and highly vegetated terrain with restricted access, complex landholder sensitivities, and flight constraints due to overhead power lines and high winds.

OUR SOLUTION

BCE deployed a hybrid survey strategy to overcome the site's challenges and meet the tight project timeframe. We used UAV LiDAR technology to efficiently capture high-resolution data across the site, reducing field time and access risk. This was integrated with traditional survey methods in critical zones, like the proposed BESS footprint, to ensure the highest accuracy for engineering design. Our approach also precisely captured overhead power lines, enabling clearance assessments not achievable through traditional methods alone.

RESULT

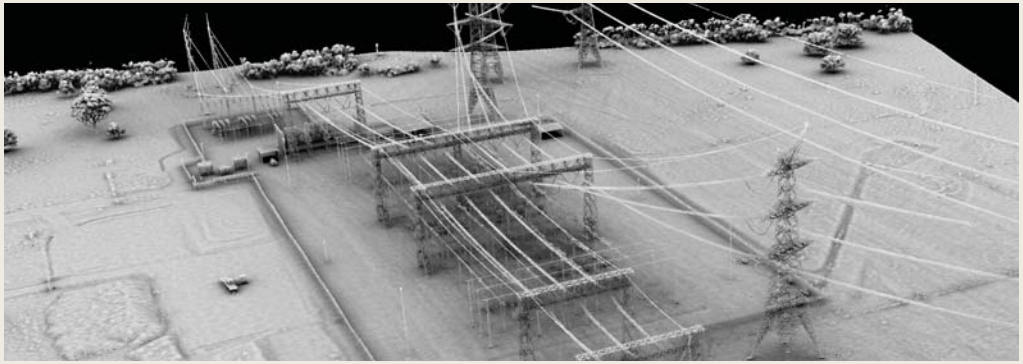
BCE delivered high-quality, reliable datasets on time and within budget, meeting all engineering and planning requirements for the site. The outcomes provided significant value:

> ***Enabled Efficient & Accurate Design:*** Our high-resolution topographical data and precise modelling of power infrastructure provided the certainty needed for effective engineering and planning on a complex site.

> ***Reduced Project Risk & Improved Efficiency:*** The hybrid survey approach mitigated safety risks and significantly reduced field time, ensuring project delivery within the tight two-month program.

> ***Provided Future-Ready, Flexible Data:*** Datasets were delivered in multiple formats, ensuring easy use by various consultants and allowing the information to be re-used as the project scope evolved.

> ***Established a Foundation for Partnership:*** This successful delivery on a complex first engagement achieved strong client satisfaction and established BCE as a trusted partner for future renewable energy projects.



High-accuracy Survey

Airport Mobile Laser Scanning (MLS)

Regional WA

4 MONTH
DELIVERY

LIVE AIRPORT

FULL 3D POINT CLOUD

ON TIME

ON BUDGET

ZERO
DISRUPTION TO AIRPORT OPERATIONS

AT A GLANCE

CLIENT
Confidential Tier 1 Engineering Consultant

SERVICE
Mobile Laser Scanning (MLS)

TECHNOLOGY
Trimble MX9

CORE CHALLENGE
Capturing high-accuracy data in a live airside environment with restricted access

CHALLENGE

A Tier 1 engineering client required a high-accuracy survey to support upgrade works at a remote, operational airport. The project involved significant challenges, including complex approvals, live airside operations with active aircraft, and extremely restricted site access windows. The core task was to capture comprehensive, engineering-grade data safely and within a constrained timeframe.

OUR SOLUTION

BCE Surveying deployed Mobile Laser Scanning (MLS) technology using the Trimble MX9 system. This strategy was chosen to rapidly capture a complete, high-resolution dataset while minimising time and exposure in the live airside environment. Our approach efficiently gathered the required data and created a full 3D point cloud. This digital asset allowed for the immediate extraction of survey information while also enabling future data extraction as project requirements evolved, preventing the need for costly return site visits.

RESULT

We delivered high-accuracy datasets on time, meeting all safety and operational compliance standards and providing significant client value:

> ***Enabled Efficient Design & Coordination:*** The detailed 3D point cloud allowed off-site visualisation and coordination, supporting efficient delivery of the airport upgrade.

> ***Reduced Project Risk & Future Costs:*** Our MLS approach reduced field time in a hazardous environment and eliminated repeat site visits by creating a permanent digital record for future data mining.

> ***Delivered High-Accuracy Data in a Live Environment:*** We captured engineering-grade datasets within restricted operational windows, proving our capability in complex, high-stakes environments.

> ***Reinforced a Trusted National Partnership:*** The on-time delivery reinforced the client's confidence in BCE as a trusted national delivery partner for critical infrastructure projects.

A Foundation of Trust

Our commitment to governance and stability

We provide clients with absolute confidence through a framework of robust governance, certified management systems, and proven financial strength. Partnering with BCE means choosing a reliable, low-risk partner committed to excellence from start to finish.

Our operations are underpinned by internationally recognised management systems. These certifications are not just badges; they are embedded in our daily operations to ensure quality, safety, and continuous improvement.

- ***Quality Management (ISO 9001):*** Guarantees consistent service delivery, documented processes, and a culture of improvement.
- ***Occupational Health & Safety (ISO 45001):*** Protects the health, safety, and wellbeing of our people, clients, and the community.
- ***Comprehensive Safety Framework:*** Embeds rigorous risk assessment and safe work procedures across all operating environments.
- ***Proactive Risk Management:*** Employs a project-specific approach to managing environmental impacts and delivery risks.

Financial strength & commercial stability

BCE is a financially stable, privately owned Australian company with the proven capacity to support projects of any scale.

- ***30+ Years of Continuous Operation:*** A long-standing history of disciplined financial management and sustainable growth since 1994.
- ***National Financial Controls:*** Robust reporting and controls ensure stability across all national operations.
- ***Comprehensive Insurance Coverage:*** Maintaining high-level insurances to meet all client and contractual requirements.
- ***Resourcing Capability:*** The stability to resource and support multi-location and long-duration projects effectively.

Contact

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