

More than just Surveying...

CAPABILITY STATEMENT



BCESURVEYING.COM.AU

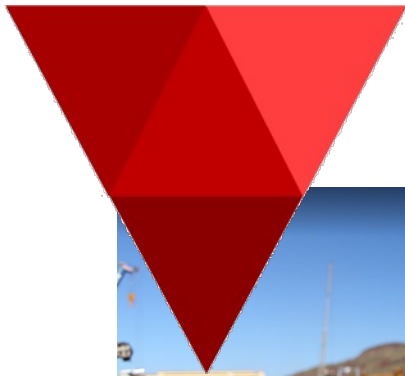
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**BUNBURY PERTH
SYDNEY MELBOURNE**





ENGINEERING & CONSTRUCTION SURVEYING



Providing surveying and associated services to a wide variety of clients and sectors, our highly experienced and qualified team works with clients to achieve the desired outcome. Certified to ISO9001 and ISO45001 our surveying and management systems ensure a high quality of service.

Our highly experienced, qualified surveyors work with our clients to solve problems and limit risks through the implementation of the latest technology, coupled with quality, service, expertise and knowledge.

We provide survey and associated services to a wide variety of public and private clients across the Development, Civil Engineering, Construction and Resource Industries.

Contractors, builders, fabricators and facility owners and managers typically deploy the BCE Construction Services surveying teams at all phases of a project, from planning through construction and assembly, and beyond to provide as-constructed data.

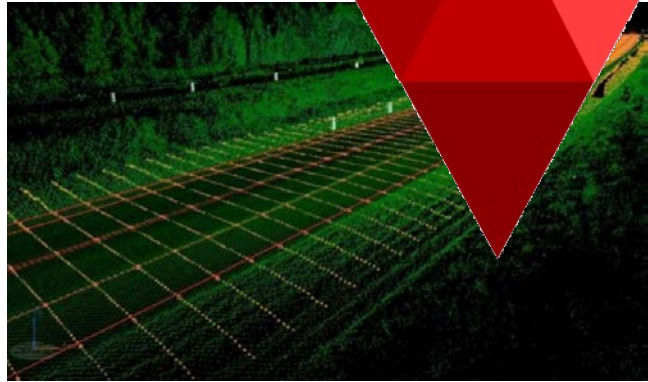
The information we provide and manage can significantly reduce project risk, streamline production and construction times, and provide valuable insight into the form of the final product.

Our construction survey technology covers both fixed and mobile scanners and we employ state-of-the-art equipment including Trimble 3D scanners, total stations and GPS units.

Teams of Surveyors can be deployed to remote and regional work sites for both long and short term projects.

- ENGINEERING & CONSTRUCTION SURVEYS
- MAJOR EARTHWORKS, MINING CAMPS
- MAJOR & MINOR ROAD CONSTRUCTION TO TRANSPORT FOR NSW STANDARDS
- MINE ACCESS & HAUL ROADS
- TAILINGS, EARTH & CONCRETE DAMS
- HIGH PRESSURE PIPELINES – WATER & GAS
- MACHINE CONTROL – TRIMBLE, TOPCON & LEICA SYSTEMS
- CONCRETE – STRUCTURAL & BOLTS SETOUT & SMP
- TREATMENT PLANTS – WATER & SEWER
- INFILL SEWERAGE & SEWER PRESSURE MAINS

IMAGING & SCANNING



Using class-leading fixed and mobile 3D scanning hardware and software, our skilled professionals can provide services infrastructure imaging and 3D modelling. With fast and accurate services and an ability to adapt to project parameters, we have the competitive edge in meeting your goals.

Our client focused business approach and the ability of our teams to adapt to conditions and project parameters, gives BCE's competitive edge in meeting your goals in infrastructure imaging.

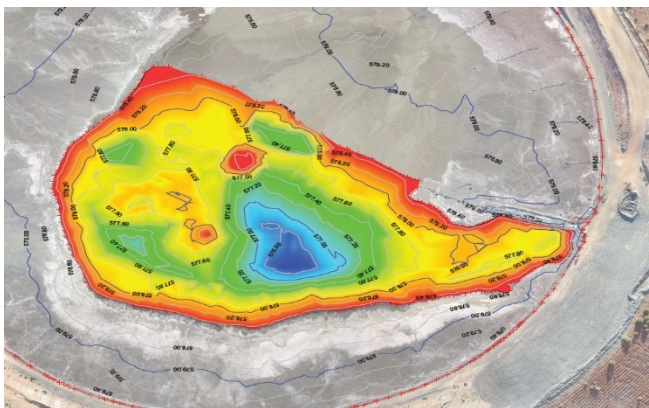
Organisations involved in the planning, construction, maintenance and management of buildings and other infrastructure can utilise BCE's fast, accurate and widely experienced operators.

The BCE Survey team has access to the most practical and beneficial computing hardware and software to expedite the process.

- TOPOGRAPHIC ROAD, UTILITY & NETWORK DATA EXTRACTION & MANIPULATION
- PIPELINE & POWERLINE SURVEYS
- ASCAN SCANS
- FACILITIES MANAGEMENT, ROAD, RAIL & BRIDGES
- 3D & BIM MODEL CREATIONS
- ASSET IDENTIFICATION
- BUILDING FAÇADES & INTERIORS
- VEGETATION CLEARANCE MAPPING
- GRAPHIC INFORMATION SYSTEMS (GIS)



UAV & BATHYMETRIC SERVICES



Using the latest drones, BCE can fly overhead surveying at low altitudes and precise geos while the customers work can continue. BCE provides geo-referenced, high-resolution imagery and 3D modelling.

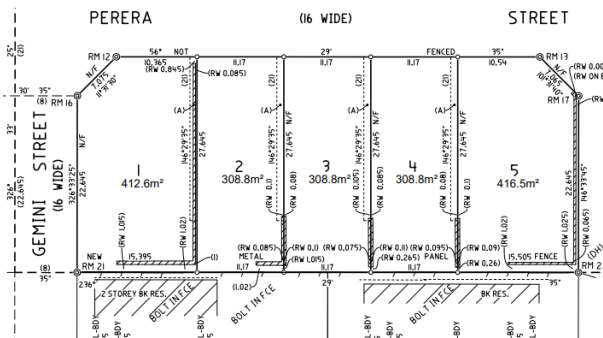
BCE is a CASA certified ReOC holder with years of flying experience in all conditions operating fixed wing and multi rotor platforms. Aerial surveying is an accepted survey methodology with improved safety, efficiency and accrual for multiple applications.

UAV'S are unique in that they provide no disruption to operations, 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.

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.

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

LICENSED SURVEYING



As Licensed (Registered) Surveyors, we are qualified to carry out any legal survey work where property boundaries are involved.

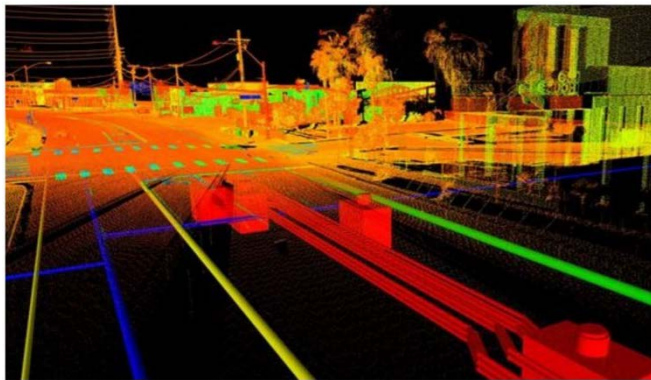
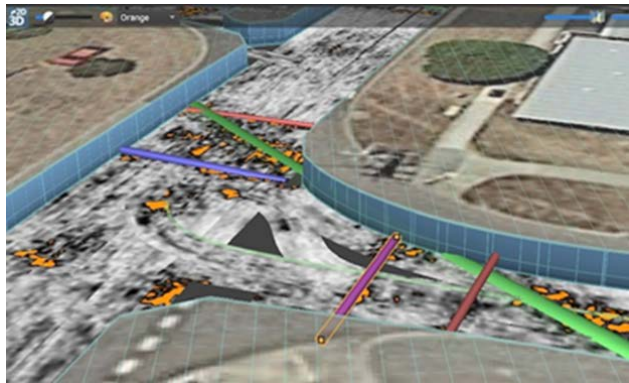
Our Licensed Surveyors are qualified to carry out any legal survey work where property boundaries are concerned.

We can assist with your Government Departments applications through to the in order for dealings stage.

Titling advice and assistance with or lodgement of your applications with the Western Australian Planning Commission have been found to be valuable by our clients. We aim for an accurate fast turn-around service, keeping everyone satisfied.

- BOUNDARY RE-ESTABLISHMENTS (RE-PEGS)
- GREEN TITLE SUBDIVISIONS
- IDENTIFICATION SURVEYS
- SUBDIVISIONS – URBAN, RURAL & INDUSTRIAL
- STRATA SURVEYS
- SUBDIVISION DESIGN
- NEGOTIATIONS WITH AUTHORITIES
- AMALGAMATIONS
- DETAIL & CONTOUR SURVEYS
- BUILT-FORM SURVEYS
- AS-CONSTRUCTED SURVEYS

UNDERGROUND UTILITY LOCATION



BCE's Geo Radar capabilities offer clients the quickest and most accurate means of identifying, imaging and cataloguing of underground utilities and assets.

The BCE team can collect comprehensive utility models that can be exported as 3D CAD models. We use multi-frequency, multi-channel technology that fully scans the ground. It is coupled directly with GPS to record 3D features.

BCE uses advanced Georadar that exceeds the accuracies and capture time of conventional GPR processes. BCE can capture and deliver a wide variety of infrastructure assets including sewerage, drainage, phone, water, power, gas, NBN and communication cables.

The Stream Up is a non-destructive and efficient way to locate and map underground utilities which offers the ability to scan large surface areas rapidly with minimal interference to traffic flow and capability of instantly downloading and processing data on-site if required.

BCE is registered with Certloc Locating Organisation and all work is done to the AS5488.

- UTILITY LOCATION
- UTILITY CLEARANCE SCANS
- PIPE & CABLE LOCATIONS
- DETECTION OF BURIED UTILITIES
- SUBSURFACE PROFILING
- POTHOLING
- ROCK ASSESSMENTS & VOIDS

