Veris generates value for stakeholders through a union of strategic thinking and expertise. We thrive on challenge, delivering project services and advice that don’t just solve problems but take developments to the next level. Our leaders draw on their knowledge to deliver truly unique project solutions and enduring client relationships.

Our business has grown with a single vision – to deliver market-leading planning, design, surveying and spatial solutions. Wherever a client operates, Veris is there with the knowledge, expertise and experience to form partnerships that truly build better environments.

Our formula is tried, tested and it works; we call it the Veris Advantage. Best summarised by four key attributes, it is our guarantee of the standard clients can expect when partnering with Veris.

**Response** – we are agile in our work; we meet the needs of our clients instinctively.

**Innovation** – we seek out the new and unexplored; we deliver project solutions with an edge.

**Collaboration** – we listen and work together with our clients; we thrive in partnership.

**Experience** – we have in-depth project experience; we deliver optimal outcomes through the expertise of our people.

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### Introduction

A business united in excellence, Veris combines national strength with local expertise to ensure exceptional project outcomes. With offices across Australia and a proven track record in both the public and private sectors, Veris is a market leader in town planning, urban design, surveying and spatial solutions.
Quality Management and Safety Systems

Committed to the safe delivery of industry leading service, Veris operates under strict management systems that are certified to the highest international standards. Our Quality Management System is certified to Australian/New Zealand Standard ISO 9001:2016, which governs all business processes and ensures the highest standard of delivery to every client.

The safety of our people and a commitment to zero harm are values upheld to the highest level throughout our business and on every project; reflecting this, we hold Australian/New Zealand Standard 4801:2001 (Occupational Health and Safety Management) certification. Veris is also dedicated to safeguarding the environment and ensuring that the solutions we provide completely reflect this commitment. In light of this, we hold ISO 14001 (Environmental Management Systems) certification.

Veris maintains accreditations for
- Health and Safety AS4801
- Quality ISO9001
- Environment ISO14001
Our Services

Property Surveying

Whether a client requires the definition of complex boundaries, status of land ownership, or a subdivision of a land parcel, Veris has the depth of knowledge and technical skills to deliver.

Working with highly experienced local surveyors, the best tools and cutting-edge equipment, Veris can tackle even the most challenging or remote environments. Our people pride themselves on delivering spatial solutions that are a step ahead.

Veris cadastral surveyors are registered with the Surveyors Board of each State and Territory in which we operate. They have expertise across a broad range of sectors including residential, agribusiness, industrial, mining, tourism, commercial/retail and education.

Veris surveying services include:
- Cadastral surveys
- Greenfield estate surveys
- Urban renewal
- Infrastructure corridor assessments
- Road surveys – boundary definitions, resumptions and re-configurations
- Rail surveys – boundary definitions, resumptions, easements and re-configurations
- Strata surveys
- Volumetric surveys
- Lease surveys
- Site context surveys
- Land tenure strategy and strata consulting

Surveying is our traditional area of expertise, but there is nothing traditional about the way we embrace spatial information.
Civil Construction & Engineering Surveying

Veris has a long history of partnerships in the building and civil construction sectors, providing essential surveying solutions for a wide range of major projects. Our services in this area include:

- Building construction surveys
- Civil engineering surveys
- Infrastructure corridor planning and assessment
- Quality control and movement monitoring
- Digital terrain modelling and volume and feature surveys
- GNSS control and aerial ground control surveys
- Hydrographic surveys
- Asset (utility) collection and mapping
- Construction and set out surveys
- Pipeline and route surveys
- Detail and as-built surveys
- Surface comparisons

- Earthworks volume
- Machine control
- Section extractions
- Contouring
- Alignments
- Stability and subsidence monitoring
- Stockpile audit surveys

Veris provides asset collection and mapping services to clients including local and State government bodies, private enterprise clients and global corporations operating around Australia.

With civil construction and engineering surveying solutions for major infrastructure, Veris helps keep Australia moving.
Town Planning

Local expertise with a national perspective – we act quickly, working with the right people to deliver outstanding solutions.

Town Planning

With an in-depth understanding of planning and regulatory processes, Veris goes beyond simply assisting clients to navigate the planning landscape, we challenge and influence the process itself to deliver innovative success.

We combine our in-house resources with carefully chosen specialists to create powerful partnerships; working in collaboration with our clients, communities and authorities we achieve exceptional, commercially sound strategic project outcomes.

Our town planning solutions include:
- Site identification and evaluation
- Due diligence assessment and reporting
- Statutory and strategic planning
- Planning approvals and stakeholder management
Veris recognises the importance of place-making: today, the creation of urban spaces that people can truly connect with is more vital than ever. We take the time to understand the unique social, economic, physical and environmental angles of every project as part of our integrated design process.

An inclusive, open-ended approach allows our team the freedom to explore a vast range of possible outcomes. The result is livable, sustainable communities that connect meaningfully with their environment.

Creating special places to live, work and play is our mantra, and we can help you unlock the true potential of your project.

Our urban design services include:
- Site analysis and opportunities assessment
- Due diligence and yield assessment
- Visioning and project positioning
- Master planning, structure planning and planning for growth
- Design guidelines and urban framework planning
- Urban regeneration and infill strategies
- Place-making
- Graphics, visualisation and project marketing materials
- Consulting and negotiation support

Veris creates unique places to live, work and play – together with our partners we unlock the true potential of communities.
Veris delivers high resolution, complete data sets without disruption to workflow.

Terrestrial Laser Scanning

Veris uses Terrestrial Laser Scanning (TLS) to provide faster and more comprehensive data capture than traditional survey methods. These technologies are highly versatile and deliver excellent results in the most challenging environments, attributes that offer significant benefits to our clients.

TLS uses ground based or tripod-mounted lasers to capture the real world in highly detailed 3D point clouds that are converted to high resolution 3D images. Scanning can be performed across kilometres with sub-centimetre precision.

Collected data is georeferenced, highly accurate and can be modelled into 3D CAD and building information models. Point clouds can also be published in a TruView model with 360-degree panoramic imaging for a powerful visual reproduction of the surveyed area.

TLS is commonly used for:
- Heritage documentation
- 3D topographic surveying
- Accident/incident sites
- Confined spaces surveys
- Mechanical, Electrical
- Building environments

The use of TLS technologies means on-site downtime and risk exposure is reduced; output is accelerated to meet project timeframes; and completeness of data is delivered through the technology’s rapid, non-contact collection capabilities.
Mobile Laser Scanning

Mobile Laser Scanning (MLS) collects geospatial data using mobile vehicles – cars, trains or trucks – fitted with LiDAR, cameras and other remote sensor technologies. The technology allows highly accurate data to be collected at speeds of between 10 and 100 kilometres per hour with zero traffic impact, making it an ideal tool for mapping long linear assets such as roads and rail lines.

Veris utilises MLS technology to collect field data used to map infrastructure projects including road and rail construction, electrical transmission and distribution, vegetation encroachment and structural façades. MLS data capture also provides highly accurate 360-degree imaging at high resolution, ideal for road dilapidation surveys.

Accurate mapping of infrastructure for projects of all types, all across Australia.

Typical uses of an MLS system include:

- Extraction of mapping layers from point cloud captures
- Road mapping, including kerbs and road markings
- Corridor mapping, including posts, poles, hydrants and other assets
- Building positioning or as-built recording
- Structural positioning and as-built recording
- Clearance measurements and clash detection
- Development of accurate foundation building information modelling to establish reliable site and design dimensions
3D Scanning & Industrial Metrology

When accuracy is paramount, Veris offers a tailor-made solution to ensure assets remain safe, operational and efficient.

3D Scanning & Industrial Metrology

Precision, accuracy, repetition, efficiency and industry knowledge are critical when manufacturing, maintaining or installing parts with very exact tolerances. In applications where extreme accuracy is paramount, Veris uses a range of metrology-grade data acquisition and analysis techniques to deliver micron-level data for small and large components.

Metrology Grade - 3D Scanning
Veris maintains a comprehensive range of precision technology – from Faro measuring arms with tactile and 3D laser scanning capabilities, to large scale measurement equipment using laser trackers. Our metrology consultants provide flexible mobile site services to support clients in making engineering and maintenance decisions.

Survey Grade 3D Scanning
For large areas such as industrial facilities or platforms, Veris employs TLS technology for as-built documentation. Full colour, photo-realistic data capture, visualisation and animation can be provided with accuracy and resolutions of between 2 and 5 millimetres.

3D CAD Modelling
Veris develops intelligent, highly accurate 3D models that enable clients to execute brownfield developments with a high degree of confidence. Through the use of this technology, project planning is more efficient – meaning project works such as design and costings require less re-work and projects experience fewer cost overruns.

Dimensional Control
Veris has extensive experience in the provision of dimensional control support for complex fabrication activities. We have earned a reputation for realising significant time and cost savings for onshore and offshore projects. We reduce – or in some cases completely eliminate – the requirement for onsite hot works through our extensive technology and engineering expertise.

Online Reporting
To ensure ease of access to survey results, Veris provides clients with a graphical user interface that represents their results in a 3D environment. This interface is accessible via PC, tablet or other mobile devices, providing a flexible visual representation that can be utilised in virtually any project setting.
Hydrographic Surveying

Where a detailed underwater inspection of a structure is required, our MS1000 3D scanning sonar system can be deployed to capture 3D point cloud datasets in conjunction with detailed 2D imagery.

3D laser scanned data can be acquired in conjunction with underwater 3D sonar, to provide a complete three dimensional as-built model of the structure both above and below the waterline.

Multibeam Bathymetry

When high resolution point cloud data is required of the sea-floor Veris can deploy a multibeam echo sounder. Deployed from a vessel, using roll and pitch stabilisation, the multibeam can collect over 5,000 points per second with a 120 degrees swath from the vessel. This results in a fast data capture of the sea floor.

Veris also operates a high accuracy single beam unit which is cost-effective in small shallow waters where point density is not a requirement.

Veris can offer a tailor-made solution to ensure your assets remain safe, operational and efficient. These results can be accessed on PC, tablet and other mobile devices, to provide a flexible and visual presentation of results for the client.

We know more about the surface of the moon than we do our underwater world... for now.
Veris provides an extensive range of high quality, highly efficient underground service detection survey solutions that deliver comprehensive results with minimal disruption.

Subsurface & Utility Mapping

Utility Location
A comprehensive suite of utility location services that combine industry best practice methodologies and state-of-the-art equipment to achieve quality levels in line with Australian Standard AS 5488-2013 (Classification of Subsurface Utility Information).

Services Mapping
A combination of desktop and site investigation methodologies to consolidate and map services information from disparate data sources. This process enables project planning, costing and feasibility studies.

Utility Surveys
Industry-leading survey services that feature both static total station and real time kinematic satellite systems-based positioning technology for utilities pick-up, set outs, pit mapping, overhead services, offsets and boundaries.

Heritage / Archaeology
Innovative mapping techniques including 3D ground penetrating radar, resistivity, conductivity and tomography to assist in locating artefacts and identifying areas of investigative interest.

Geophysics
Geophysical applications to assist in the location and mapping of subsurface objects, strata, voids and leaks.

Sewer & Drainage Inspection
Complete CCTV scanning and reporting services for sewer, waterway and draining inspections.

Non-Destructive Digging
Vacuum excavation and non-destructive digging services, including an innovative slit trenching methodology that safely exposes underground utilities and other targets.

3D Modelling & Visualisation
Award-winning 3D modelling and visualisation capabilities including 3D fly-throughs, Google Earth imaging and virtual or augmented reality solutions.

Surface & Terrain Modelling
Digital terrain and surface modelling services that utilise traditional survey, LiDAR and photogrammetry systems.

Laser Scanning
A full suite of airborne, terrestrial and mobile laser scanning solutions to add context to existing subsurface mapping information.

11 VERIS CAPABILITY STATEMENT 2019
Veris provides a range of techniques to monitor and map wear and tear on items or areas of any size – from wear on the smallest ground engaging tools measured using high accuracy metrology-grade scanners, to the stability of large dam walls, rock faces, major rail lines and open cut mines.

Our monitoring techniques are highly scalable and regularly used to monitor and map wear on items as small as ground engaging tools (GET) (measured using our high accuracy metrology grade scanners) or at the other end of the spectrum, mapping dam wall, rock face or open cut mine stability.

Laser scanning is the most accurate, cost efficient and safe method of data acquisition for monitoring as-built conditions. Our monitoring data acquisition is performed quickly and safely, with a high degree of automation, to minimise interruptions to tight shut-down schedules and other project time constraints.

Monitoring

**Highly scalable monitoring techniques that provide precision for even the largest applications.**

**Veris works with clients across Australia, servicing the marine, oil and gas, automotive and aerospace and construction sectors.**
Geo-Spatial Services

Veris offers clients a unique depth of experience across an array of data formats, with the capacity to manipulate virtually any data set using mainstream or custom software.

Geographic Information Systems

Geographic information systems layer spatially related maps to enable statistical analysis of geographical data: satellite imagery is overlaid with diagrams and data to produce a wealth of information on demographics, roads, natural habitats and more.

Veris provides clients with high quality geographic information systems services for applications including minerals mapping, urban development, cadastre mapping and more.

Building Information Systems

A critical element in controlling building outcomes, building information systems optimise efficiency at every stage of the development process. These systems assist our clients through simple changes in design and construction methodology that translate to significant outcomes.

Veris building information systems include, but are not limited to:-
- Concept design, planning feasibility analysis and design development
- Construction documentation, cost planning, element selection and OH&S planning
- Site establishment, pre-fabrication, logistics, construction and fitout
- As-built documentation, efficiency monitoring and facilities management
- Maintenance, refurbishment, retrofitting and redevelopment

A range of services to facilitate geospatial data management, with products uniquely tailored to fit client needs and allow for clear visualisation of information.
Community

Veris believes in being actively involved in our local communities: we are committed to making a difference. We recognise our social responsibilities and believe we have an obligation to act on behalf of others and provide meaningful, long term benefit to the communities we work within.

Veris Women In Engineering Scholarship

Veris is proud to provide the Veris Women in Engineering Scholarship through the Faculty of Engineering at the University of New South Wales.

The scholarship was formed to encourage young women leaving high school to undertake degree studies in surveying or geospatial engineering, offering assistance of $10,000 per annum for four years. Scholarship recipients may also be invited to undertake between 10 and 12 weeks of industrial training in-house with Veris during the summer academic holidays at the end of their first, second and third years of study.

Cycling Development Foundation

Veris is proud to partner with the Cycling Development Foundation (CDF), promoting the health and wellness benefits of cycling and improving opportunities for up and coming athletes in the sport.

Veris supports the Foundation’s men’s, women’s and junior racing development pathways, which support riders in their progression toward becoming elite international athletes. Support is also provided to the CDF’s junior athlete development program, which pairs experienced riders with junior cyclists in a mentoring structure.

The Veris Racing Team provides emerging athletes with direction, focus, wellbeing and an opportunity to compete in a national program with a view to progression into international competition.
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