



Digital & Spatial

Latest technology and unrivalled accuracy, providing tailored solutions.

Veris can provide scanning and 3D Spatial services for a wide variety of project applications where precise data extraction and delivery are paramount.

Our expert teams utilise the latest technologies to provide 3D spatial solutions specific to the needs of each individual project and client.

Services include:

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.

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.

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. Using 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.

Hydrographic Surveying

Where a detailed underwater inspection of a structure is required, our 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 seafloor 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.

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.

For more information, contact your local office, via www.veris.com.au

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