

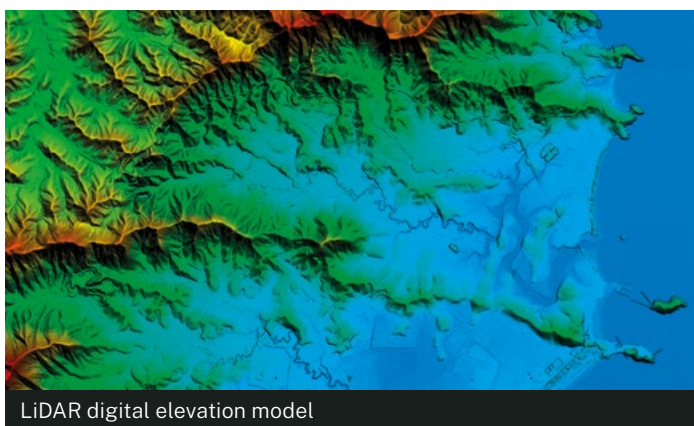


Imagery & Elevation Data Coordination Program

Delivered by the Environmental Spatial Programs team at DCS Spatial Services, this program supports our customers by identifying the best approach for acquiring imagery and elevation data. Leveraging decades of expertise in airborne imagery and LiDAR, the team offers tailored guidance, whether through Spatial Services internal capture program or the Remote Sensing Services and Equipment (ReSSE) Prequalification Scheme.

Key focus areas:

- Elevation & Depth: sourcing, capture and creation of airborne LiDAR products.
- Imagery: sourcing, capture and creation of airborne imagery products.
- ReSSE Prequalification Scheme: a procurement pathway for NSW Government agencies to access private sector services for imagery, elevation data, and processing.

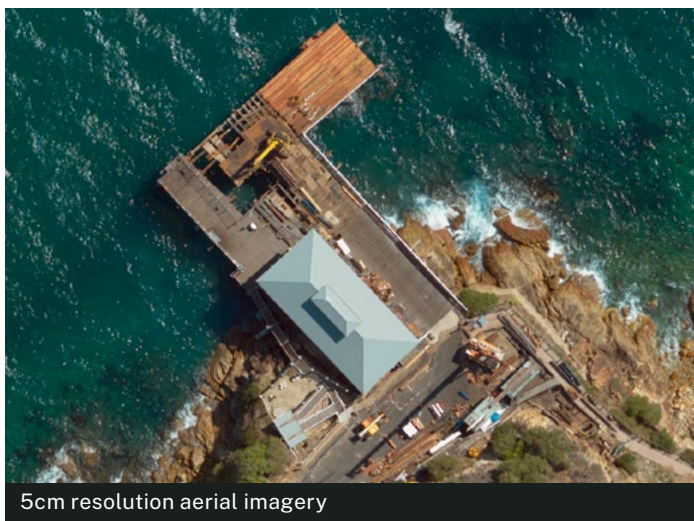


Programs

Imagery

DCS Spatial Services has a long-standing history of capturing high quality airborne imagery across New South Wales to support a wide range of needs across government, industry and the community.

Using its own aircraft, equipped with a state-of-the-art Leica Geosystems Terrain Mapper 2 hybrid airborne sensor, the team is capable of capturing high-resolution imagery and LiDAR data simultaneously. Its dual 150-megapixel cameras can capture four-band (blue, green, red and near-infrared) imagery at resolutions as high as 5 cm.



Experienced specialists work closely with clients to define areas of interest, select image resolutions, and determine optimal capture times. Through its internal capture program, Spatial Services regularly updates imagery across NSW, focusing on areas of development and environmental significance. All data is captured to defined standards and supports a wide range of applications. Latest imagery products are available via web services on the Spatial Collaboration Portal and can be viewed in SDT Explorer.

Engage with the Environmental Spatial Programs Team: <https://customerhub.spatial.nsw.gov.au/>

Access NSW's extensive historical imagery catalogue for free:

Historical Imagery Viewer via the Spatial Collaboration <https://portal.spatial.nsw.gov.au/client>

Elevation and depth

With almost 20 years' experience in LiDAR capture and processing, the Environmental Spatial Programs team delivers high quality elevation products across NSW tailored to NSW's diverse needs. Using the Leica Terrain



Mapper 2 sensor, the team captures high-point density LiDAR data and imagery simultaneously, ideal for mapping terrain, vegetation and built features. The sensor can operate at up to 2 million LiDAR pulses per second with an oblique scanning pattern that delivers dense LiDAR point coverage with exceptional spatial accuracy. LiDAR's unrivaled ability to map the surface beneath thick vegetation canopies as well as above ground features such as buildings, vegetation and infrastructure it has become an essential tool for analysis of the earth's surface features.

Custom solutions are developed in collaboration with clients, from defining areas of interest to selecting optimal point densities.

DCS Spatial Services also contributes elevation data to the national Elevation and Depth – Foundation Spatial Data portal (ELVIS) which offers free downloadable multi-resolution state-wide elevation data and LiDAR point cloud data captured across NSW.

ELVIS website: <https://elevation.fsdf.org.au/>

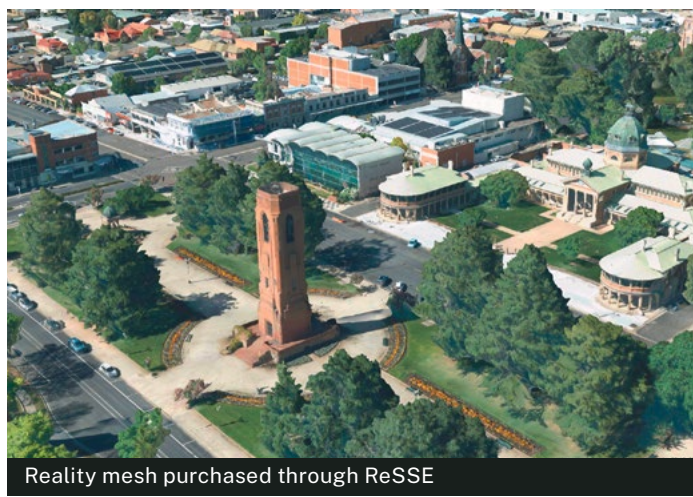
ReSSE Scheme

What is the ReSSE scheme?

Managed by DCS Spatial Services, the Remote Sensing Services and Equipment (ReSSE) Prequalification Scheme streamlines procurement of imagery and elevation data and related services from the private sector for NSW Government agencies.

Since 2018, the ReSSE Scheme has supported 150 projects valued at more than \$25 million with 83 prequalified suppliers on board. The scheme enhances coordination, reduces duplication, and improves access to cutting-edge spatial capabilities.

ReSSE is part of a larger digital transformation, helping government agencies make smarter, more efficient use of geospatial data supply. As expenditure on geospatial data continues to grow, ReSSE aims to provide NSW Government agencies with access to the latest capabilities within the spatial industry while reducing duplicate spending and improving economies of scale.



Contact the ReSSE team at:

SS-ReSSE@customerservice.nsw.gov.au

NSW government agency support

DCS Spatial Services ReSSE team provides expert guidance and technical support to help NSW Government agencies access a full range of spatial imagery and elevation data.

Services include assistance with data specifications, tender management, supplier selection, contract preparation, and quality assurance—delivering greater value and efficiency across the public sector.

Buyer information: <https://buy.nsw.gov.au/schemes/remote-sensing-services-scheme>

Emergency support

During natural disasters like floods and fires, the Environmental Spatial Programs team provides rapid-response imagery and LiDAR data to support emergency services. Using Spatial Services' aircraft and airborne sensor, critical imagery and LiDAR data is captured and processed through our rapid processing channels to deliver Emergency Services Organisations the spatial data needed to support in response and recovery efforts.

View emergency imagery via the NSW Flood Imagery Viewer under "Tools and viewers" on the Spatial Collaboration Portal.

<https://portal.spatial.nsw.gov.au/client/toolsandviewers>

