

NSW Digital Twin

4D FSDF

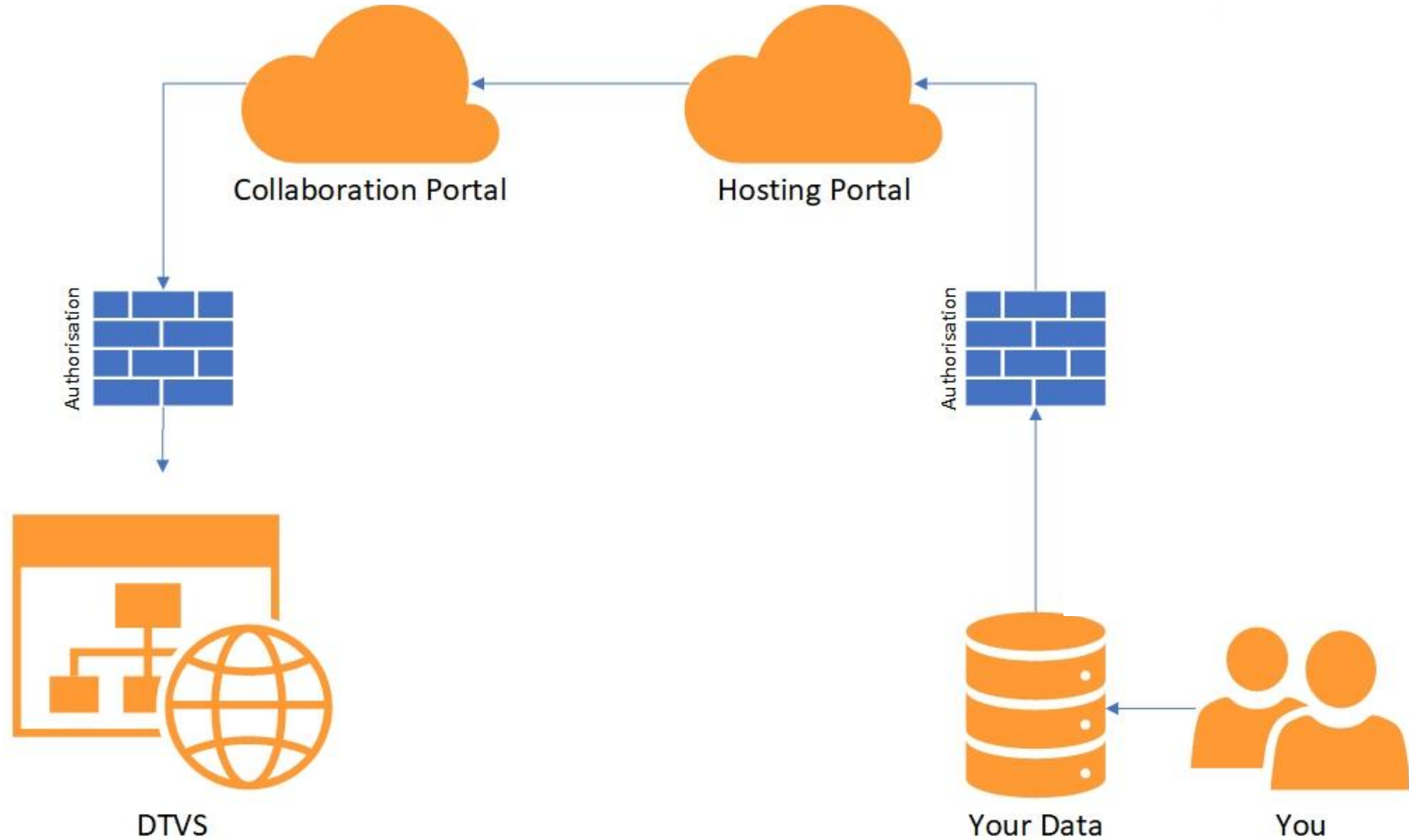
Brenton Ray

Supervisor Imagery Programs

Technical Lead NSW Digital Twin



Ecosystem



NSW Spatial Collaboration Portal



Reload this page



Home Gallery Map Scene Groups Content Organization

Sign In

Spatial Collaboration Portal

The Spatial Collaboration Portal provides a secure platform to facilitate the delivery of NSW spatial datasets. The Portal allows local, state, and federal agencies to deliver spatial data, asset management and visualisation services, and enables the search and discovery of datasets for all NSW citizens.

Create an account



Browse Data

Map Viewers

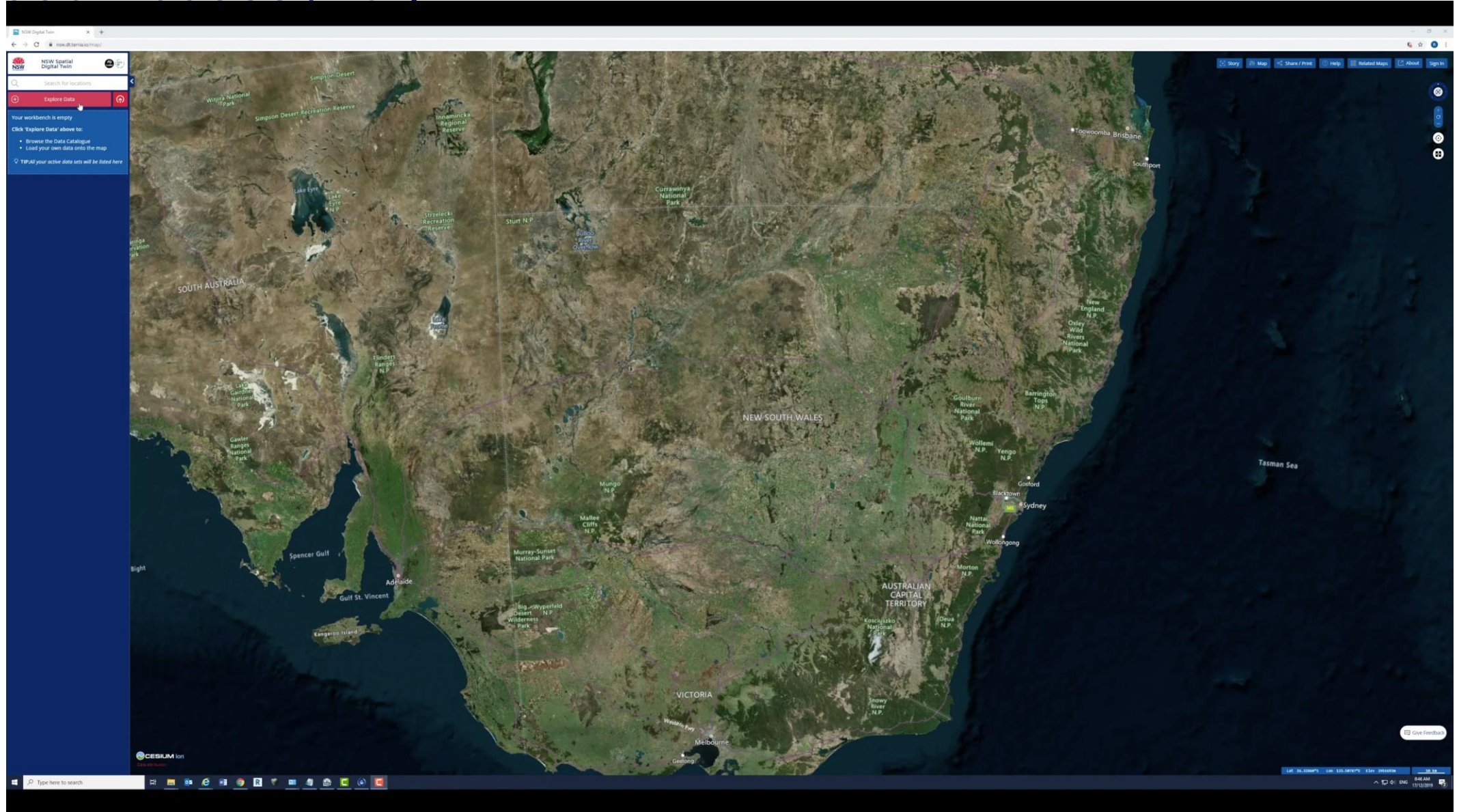
How to Guides

Featured Content



Digital Twin Visualisation Service

Role Based Access / login



Digital Twin Visualisation Service

Data

The screenshot displays the NSW Spatial Digital Twin interface. The top left features the NSW Government logo and the text "NSW Spatial Digital Twin". A search bar is present with the placeholder "Search for locations". Below the search bar is a red "Add Data" button. A "DATA SETS [17]" section lists several data layers:

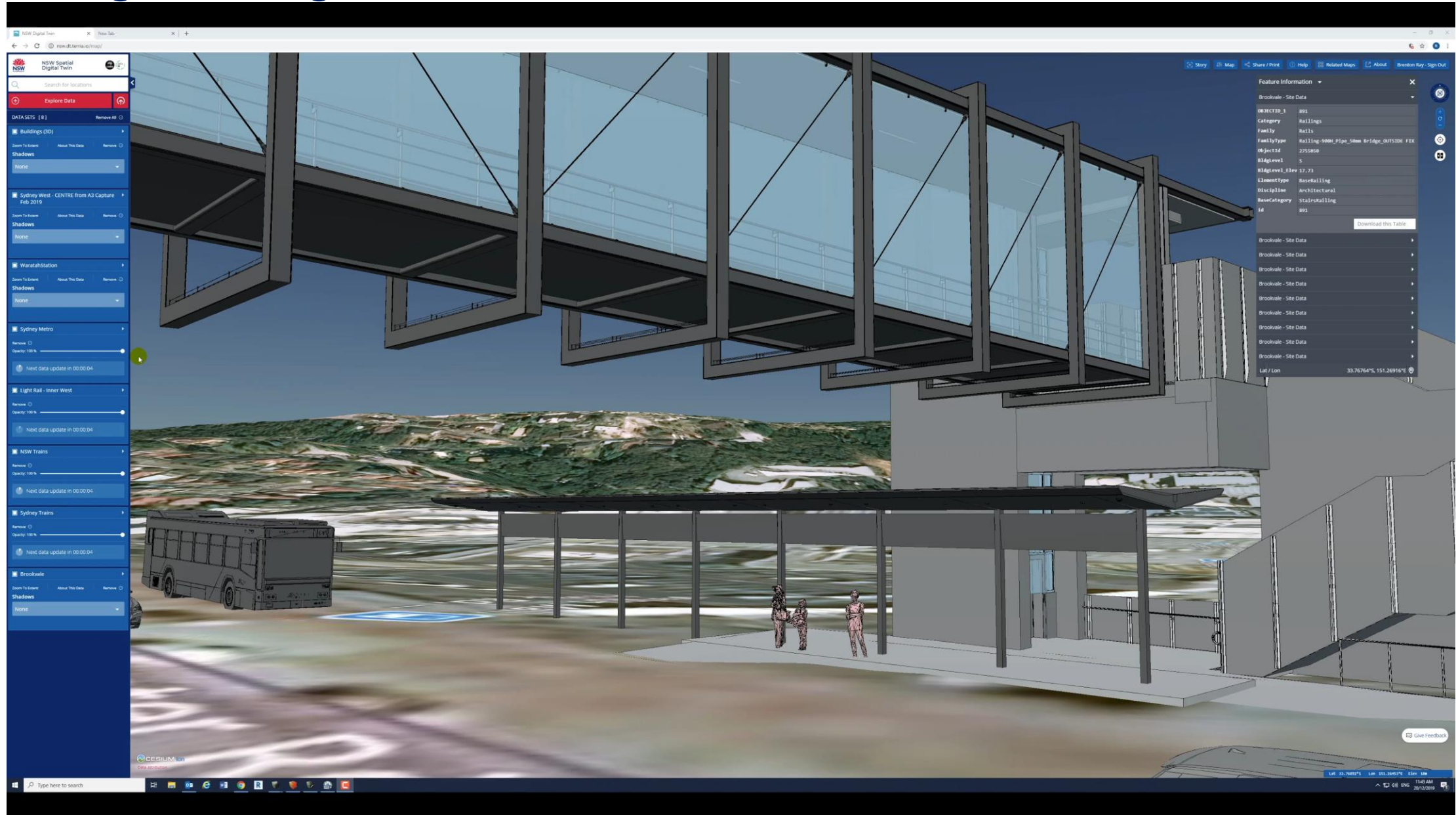
- Congestion on all roads during 2031 PM peak
 - Zoom To Extent
 - About This Data
 - Split
 - Remove
 - Opacity: 80 %
 - Legend:
 - Low (0.0-0.6)
 - Medium (0.6-1.0)
 - High (>1.0)
- PCC_SewerMains3D
 - Zoom To Extent
 - About This Data
 - Remove
 - Shadows: None
- Buildings3D
 - Zoom To Extent
 - About This Data
 - Remove
 - Shadows: None
- All Trees (3D)
 - Zoom To Extent
 - About This Data
 - Remove
 - Shadows: None

The main map area shows a 3D visualization of the Sydney Olympic Park area, including the Sydney Olympic Stadium and surrounding buildings. The map is overlaid with a blue 3D model of buildings and a yellow and red line representing road congestion. The interface includes navigation controls on the right side, such as "Map Settings", "Share / Print", and "Story". A "Give Feedback" button is located in the bottom right corner. The bottom status bar shows coordinates: "Lat 33.85104°S Lon 151.06935°E Elev 40±106m" and a scale of "50 m".

IOT: Internet of Things

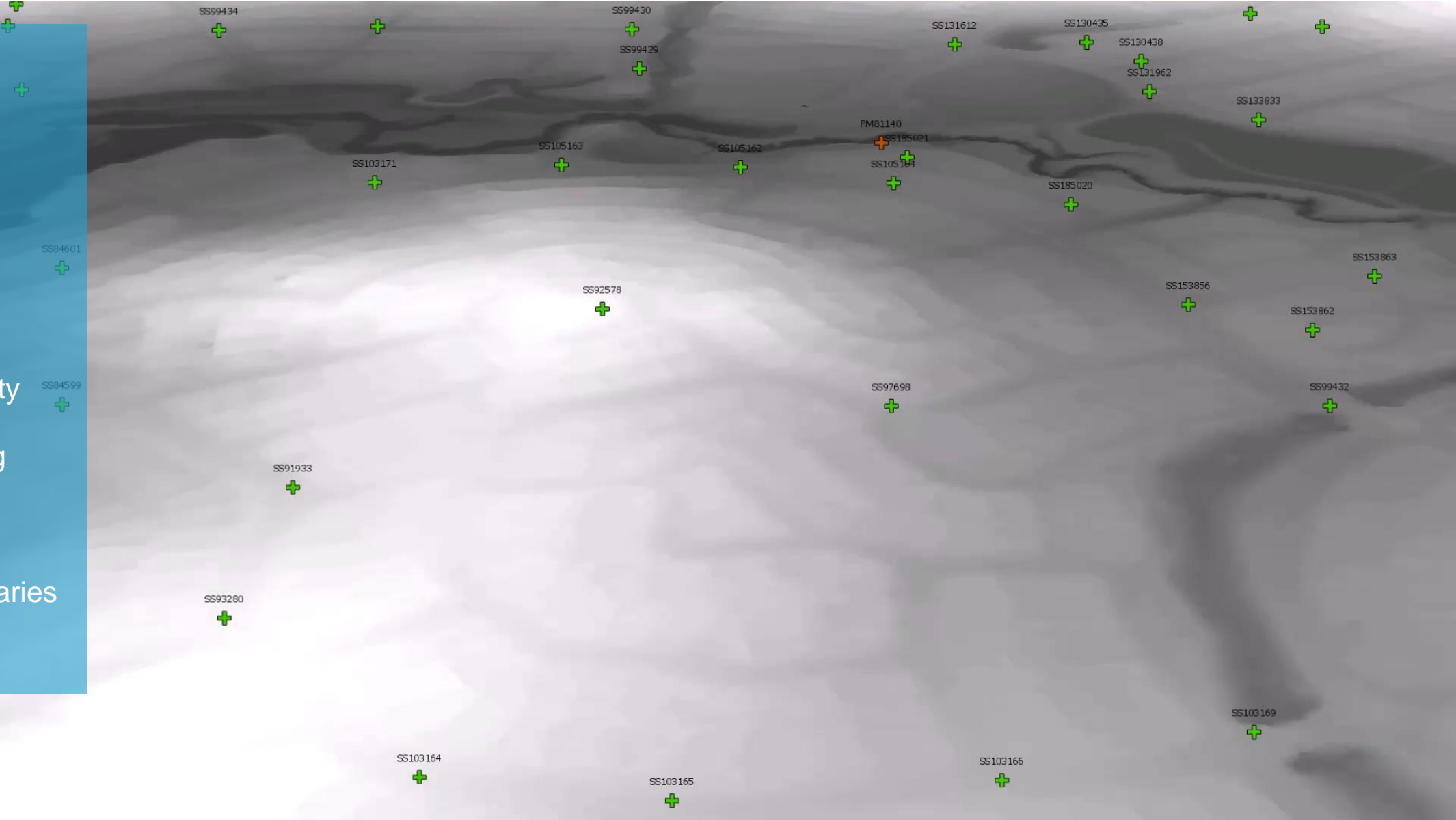


Digital Engineering

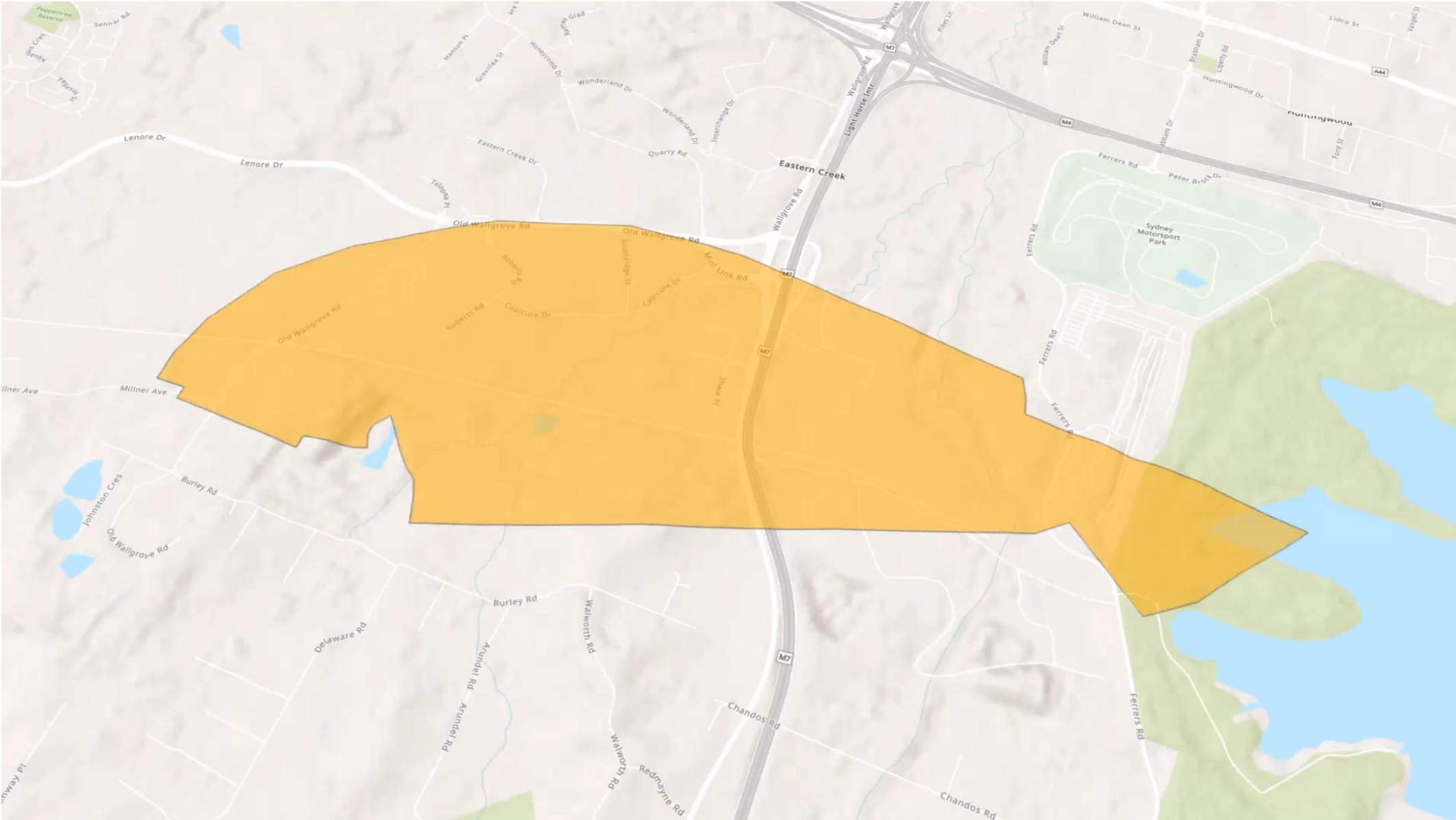


3D & 4D Foundation Spatial Data

- Positioning
- Elevation & Depth
- Water
- Imagery **3D**
- Transport
- Land Parcel & Property
- Geocoded Addressing
- Place Names
- Administrative Boundaries
- Land Cover

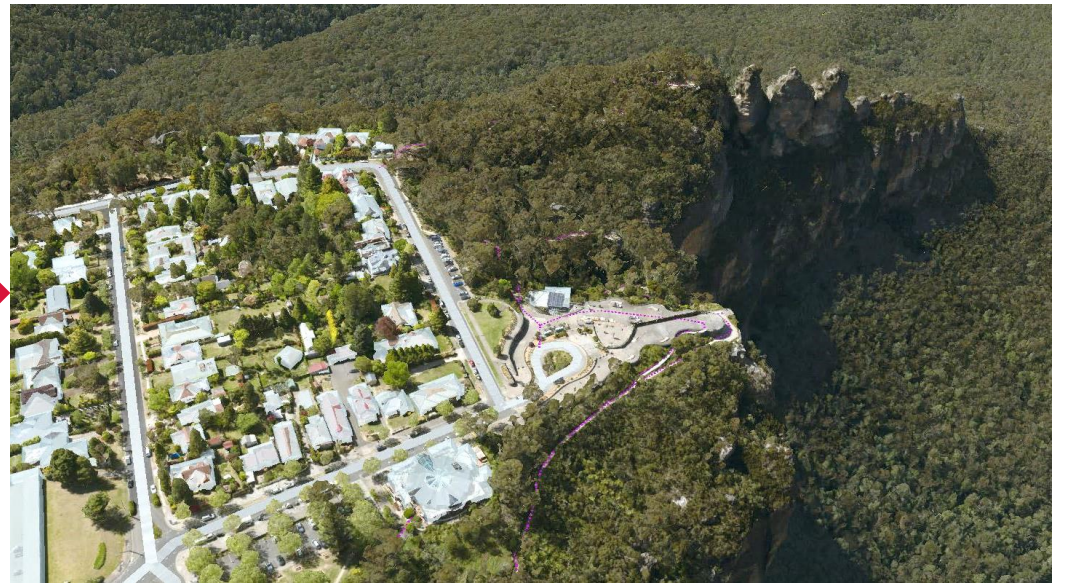


3D & 4D Foundation Spatial Data Coverage



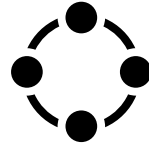
Business Case

- **Business Case for NSW Spatial Digital Twin**
 - Funding for systems and processes from 2D -> 3D/4D for FSDF covering NSW
- **Imagery and Elevation subprocess**
 - Important component to improve the coordination acquisition and procurement of data across NSW



What's coming

- **Connection to more live sensor feeds**
- **Improvement in speed and handling of features**
- **New tools for adding spatially located models on browser**
- **Ongoing published updates to the 2D / 4D FSDF layers**
- **Your data?**
- **Much more.....**



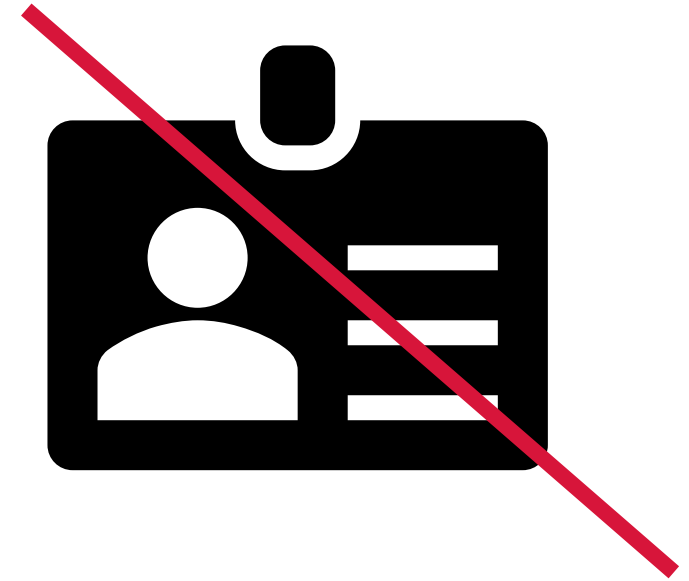
Contact

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No business cards this year

Please take a photo of
contact details



Thank you