



Collaboration, Innovation and Resilience: Championing a Digital Generation

Brisbane, Australia 6-10 April

Connecting data and people

The benefits of a digital construction in action

Steven Sheppard – Geospatial Solutions Manager: **Trimble Inc.**

Christopher Pynn – Digital Lead: **Laing O'Rourke**



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Eastern Freeway Burke to Tram Alliance (EBTA)



The new North East Link tunnels and Eastern Freeway Upgrades will link Melbourne's east up to the M80 Ring Road in Greensborough, cutting travel times by up to 35 minutes and taking 15,000 trucks off local roads a day.

Burke Road to Tram Road

- 2022 Design/planning
- 2023* Community feedback
- 2024 Construction starts
- 2027-2028 Construction complete

Hoddle Street to Burke Road

- 2024 Design/planning
- 2025 Community feedback, construction starts
- 2027-2028 Construction complete

Tram Road to Springvale Road

- 2024 Design/planning
- 2025 Community feedback, construction starts
- 2027-2028 Construction complete



AND

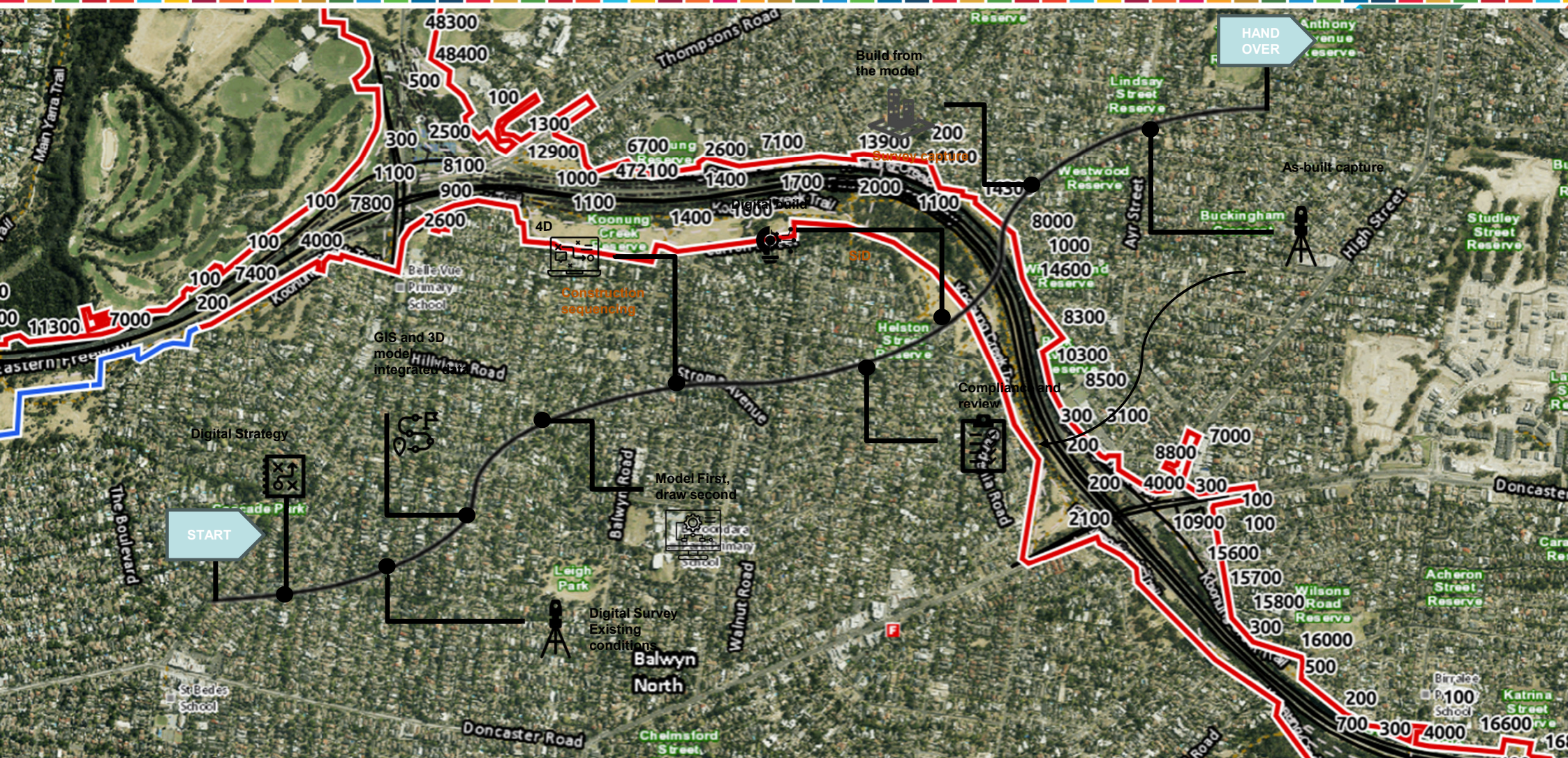
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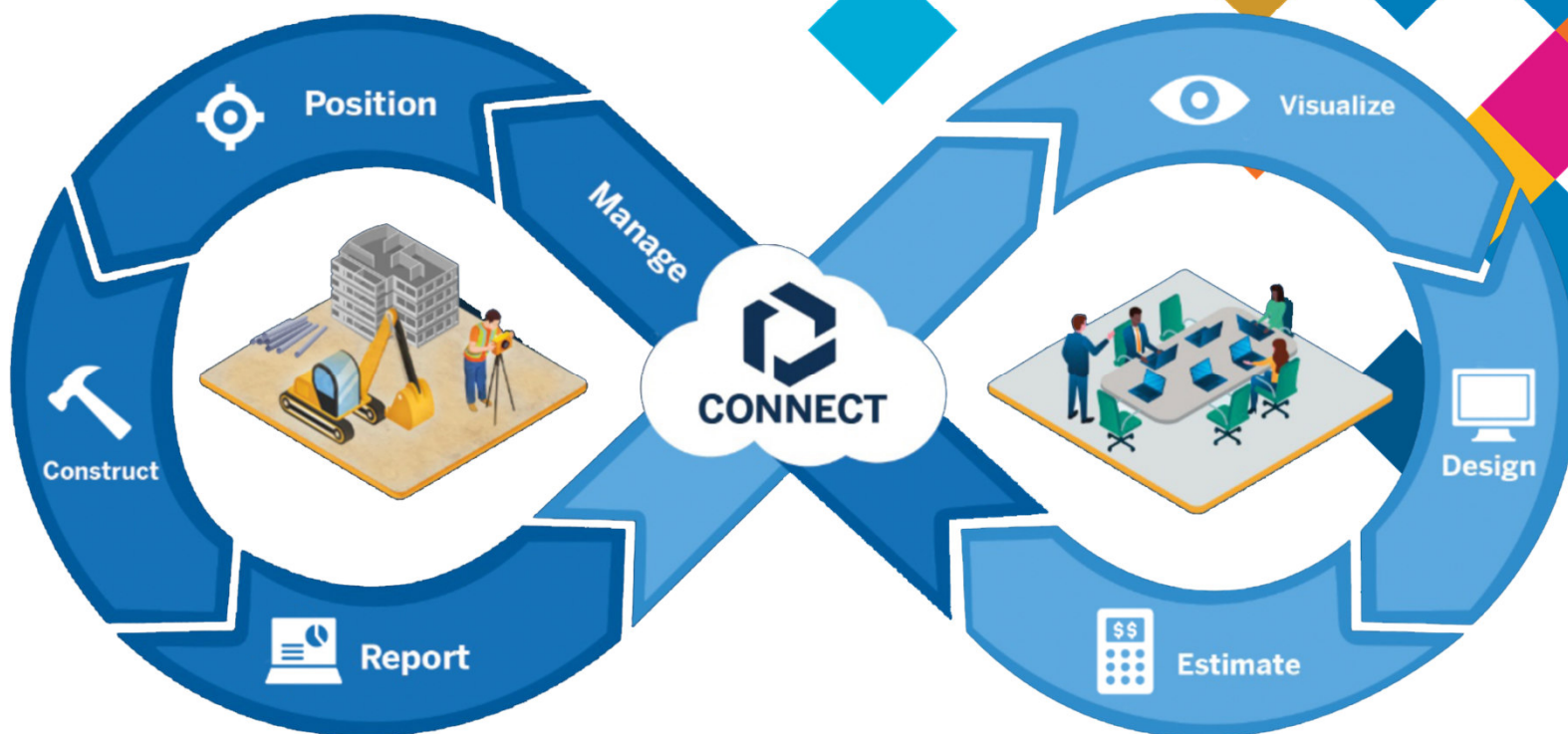
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Connecting Physical and Digital



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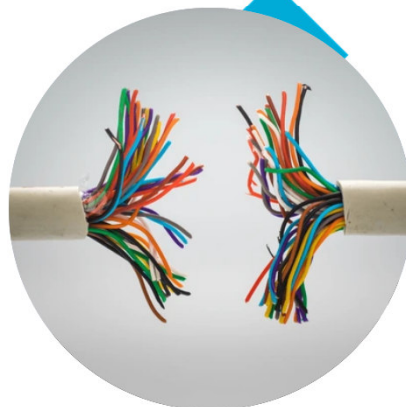


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Data is **everywhere**



Processes are **disconnected**



Decision making is **error-prone**

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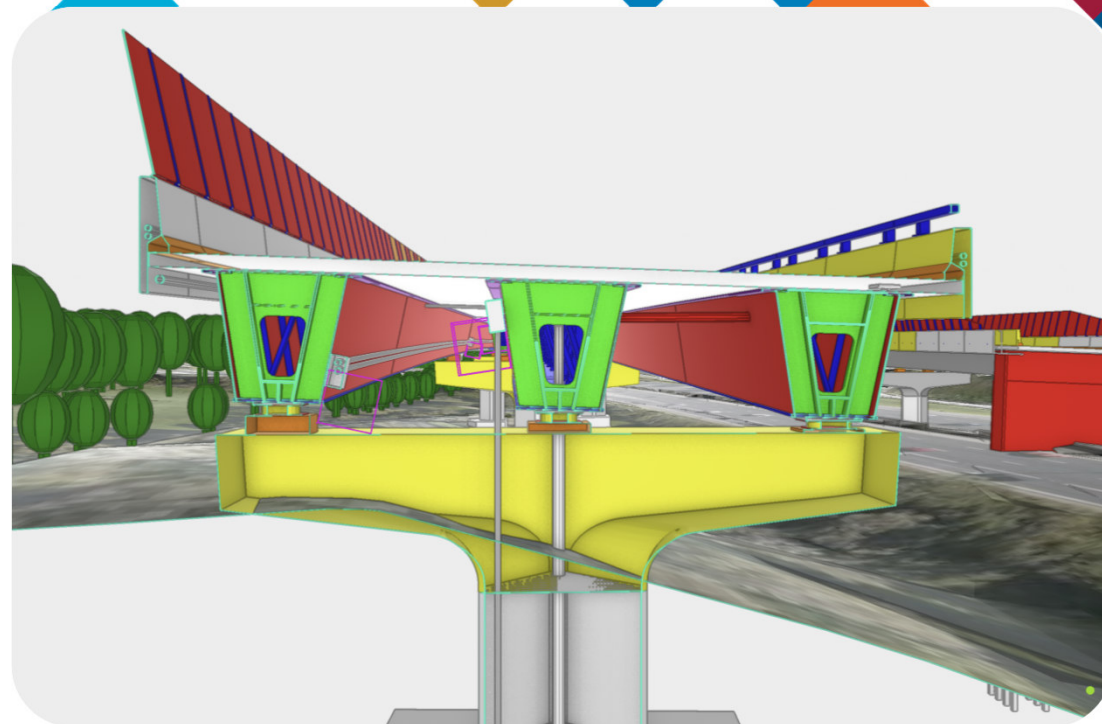
Validated Design Models

Digital Build

Fabrication

Digital Survey

As-Built



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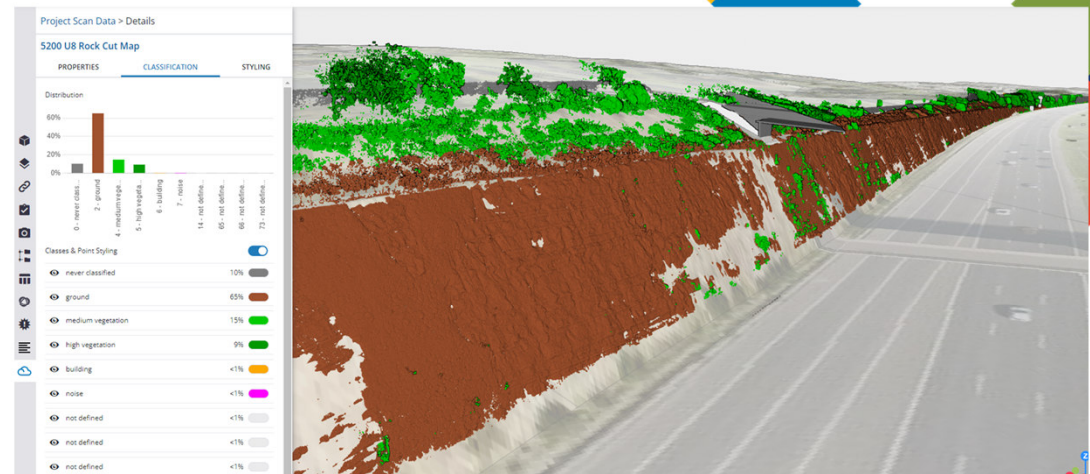
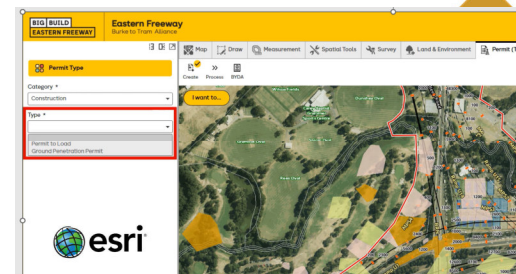
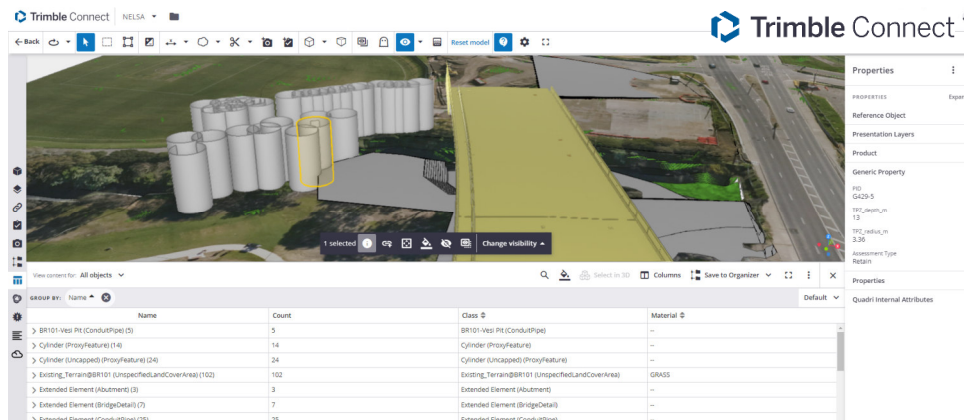
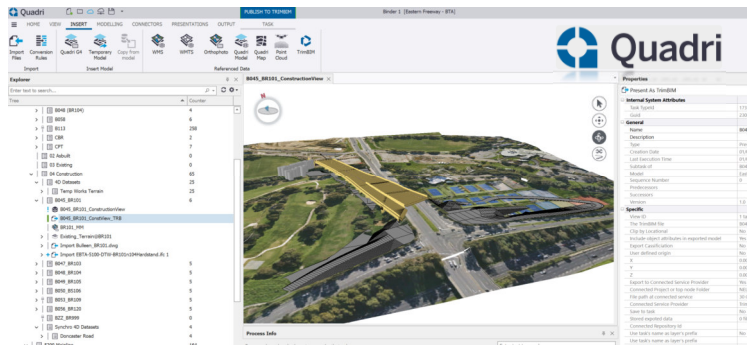
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The Delivery Ecosystem



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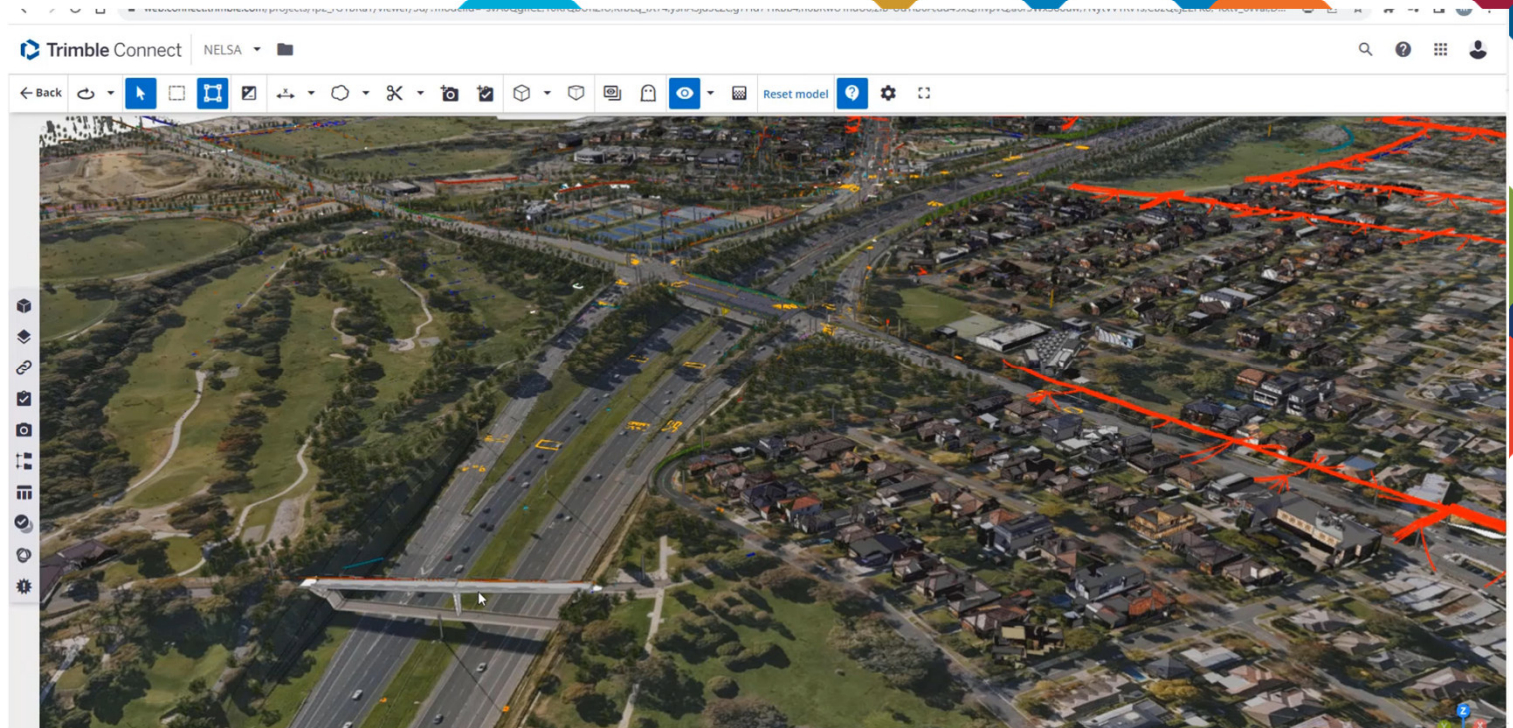
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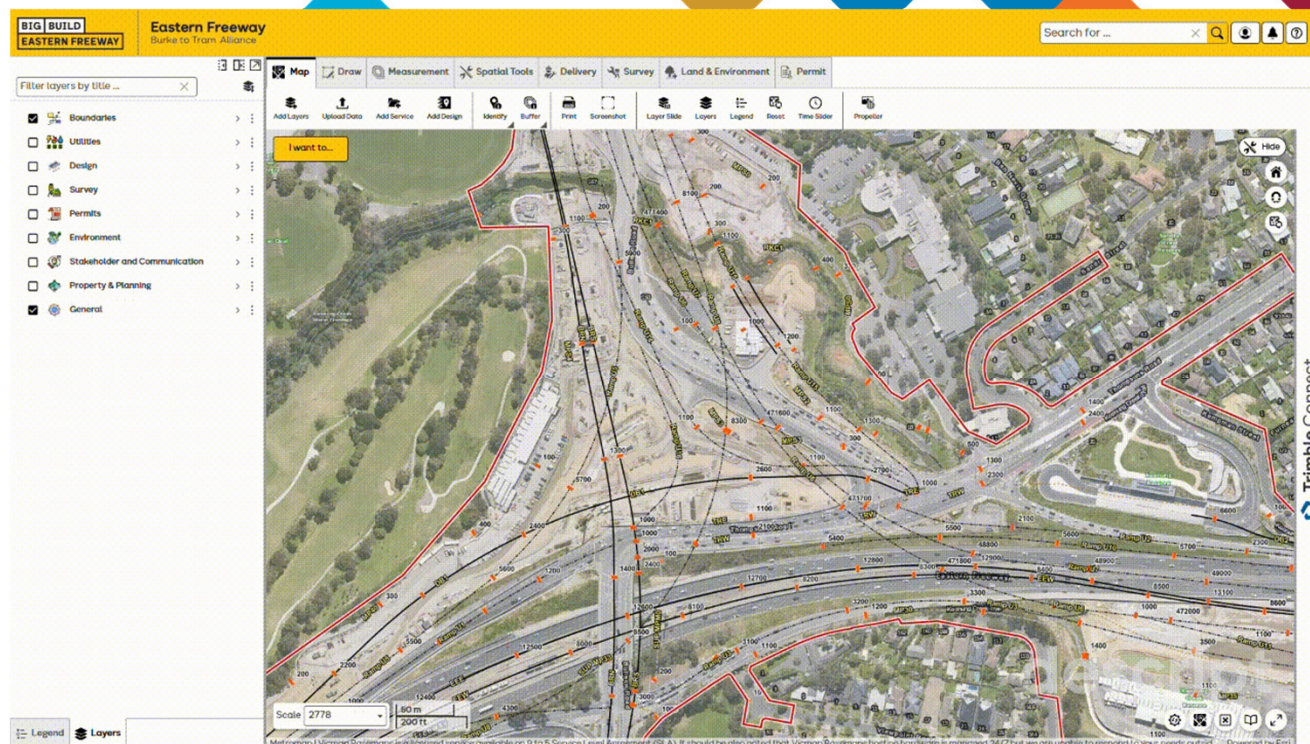
CHCN AV



Model first at every stage



Combining platforms for greater understanding



The most relevant SDGs related to the presentation and theme of this session

1st relevant
SDG

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



2nd relevant
SDG

11 SUSTAINABLE CITIES
AND COMMUNITIES



3rd relevant
SDG

17 PARTNERSHIPS
FOR THE GOALS



**SUSTAINABLE
DEVELOPMENT GOALS**

International Federation of Surveyors supports the
Sustainable Development Goals



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Thanks!

Steven Sheppard

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STEP 1: SELECT HERE THE THREE MOST RELEVANT SDGs
STEP 2: COPY THE SDG INTO PREVIOUS SLIDE



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