



Smart Cities & Infrastructure Community

Delivering Resilient Infrastructure to Australian Communities

Part of the Smart Cities & Infrastructure National Insights

Online -> Tuesday, 1 March 2022 | 11am - 1:10pm AEDT

Your Inspiring Speakers



MICK O'FLYNN Director Sustainability Programs, Climate Change & Sustainability Department of Planning, Industry & Environment



PHIL HELBERG Chief Executive Officer Infrastructure WA



COLIN FAIRWEATHER Advisor Public Sector Network



JAMES JOHNSON Chief Executive Officer Geoscience Australia



MIRANDA MEARS GAICD Head of Smart Precinct NQ; Chief Impact Officer Smart Precinct NQ



SUE WIBLIN Executive Director, Emerging Technologies Transport for NSW



NICHOLAS KALISZEWSKI Director, Transport Analytics Department for Infrastructure & Transport



PHILIPP DAUTEL Precinct Director, Tonsley Renewal SA



FIONA CALVERT Director Policy & Reform Division, Policy, Precincts & Innovation Group Department of Transport



SARAH NORMAN Director Strategic Futures & Engagement Department of Transport & Main Roads



CARYS EVANS Director Digital Twin Victoria Land Use Victoria



KELLIE CHARLESWORTH Energy Transition & Sustainable Futures Leader, Australia Arup



MALCOLM SMITH Australasian Cities Leader Arup

Benefits of Attending



Transform infrastructure design, delivery and maintenance by exploring emerging trends, technologies and projects from across the Australian public sector



Leverage digital innovations to deliver major infrastructure projects more efficiently, within budget and on time



Drive greater collaboration between jurisdictions by consolidating data in common operating platforms and geospatial systems



Use infrastructure to deliver positive outcomes to citizens across liveability, economic development, social cohesion and environmental sustainability

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Event Overview

Over the next ten years, the Federal Government's infrastructure investment agenda will see \$110 billion committed to transformational infrastructure projects across Australia.

Similarly in 2021-22, state and territory governments have followed suit by generating record infrastructure pipelines that aim to create jobs, revive communities and deliver sustainable public assets in the wake of COVID-19.

Building smart and sustainable infrastructure has always been a priority for all levels of government. It has become even more critical in the post-pandemic age, with Australia's economic recovery relying heavily on a thriving infrastructure sector. With this in mind, the public sector must harness innovation to propel the digitalisation of asset design, delivery and maintenance to maximise infrastructure investments from across jurisdictions.

Join Public Sector Network's first *Smart Cities & Infrastructure* virtual event of 2022 to explore how the public sector can harness technological and digital transformation to maximise their infrastructure investment. By reviewing successful case studies and hearing from global experts, public servants working in transport, city planning and asset management can safeguard their infrastructure investment by creating more efficient and sustainable methods of design and delivery.



Who You'll Meet

Chiefs/Directors/Heads/Managers of :

- Asset Management
- Infrastructure
- Sustainability
- City Planning
- City Strategy
- Transport
- Data and Digital
- Planning and Development
- Connectivity
- Critical Infrastructure

Explore the Agenda

11:00am PSN Welcome

11:15am **Welcome from Chair**
Colin Fairweather, *Advisor*, Public Sector Network

11:30am **Government Keynote: Supporting Government to Build a Sustainable Net Zero Future**

- Outlining Net Zero Plan Stage 1 2020:2030 – a whole of government strategy aiming to reach net zero emissions by 2050, making NSW more sustainable and resilient to a changing climate
- Driving sustainability in government by improving resource efficiency, developing net zero emission pathways and generating renewable energy on government-owned assets
- Exploring strategies to help agencies reduce carbon emissions

Mick O'Flynn, *Director Sustainability Programs, Climate Change & Sustainability*, NSW Department of Planning, Industry & Environment

11:45am **Partner Session: Charting a path to net zero industrial precincts. Insights from world-leading UK Humber and Teesside precincts**

- Net zero industrial precinct planning
- A framework for action
- Case studies & UK Humber lessons learnt

Kellie Charlesworth, *Energy Transition & Sustainable Futures Leader, Australia*, Arup

12:00pm **Government Keynote: Using foundational digital twins to plan for a liveable, sustainable and resilient future**

- Using spatial Data, digital innovation and artificial intelligence (AI) to recreate the physical environment online, enabling government, industry and community collaboration to enhance real-world outcomes
- Exploring how Digital Twins organise and visualise rich 3D and 4D spatial data, AI and sensor data to model infrastructure before investments hit the ground
- Driving six core capabilities across government, including data, platforms, skills, analytics, government and community engagement

Carys Evans, *Director Digital Twin Victoria*, Land Use Victoria, Department of Environment, Land, Water and Planning

12:15pm **Government Keynote: Consolidating Data from across Sectors and Jurisdictions into A Single National Data Asset**

- Exploring how the Digital Atlas of Australia will bring together the wealth of Government data on people, the economy, employment, infrastructure, health, land and the environment into a single national data asset
- Giving users secure and private access to visualise data and derive insights, opening up new socio-economic opportunities and helping inform investment decisions
- Using a consolidated data platform to drive improved place-based policy, planning, investments and decision-making across all sectors and levels of government

James Johnson, *Chief Executive Officer*, Geoscience Australia

12:30pm Break

12:35pm **Panel Discussion 1**
Strategising Multimodal Transport Systems to Drive Outcomes for Communities

- Exploring emerging mobility trends transforming the transport sector, including fleet electrification, connected vehicles and Intelligent Transport Systems (ITS)
- Leveraging real-time data and analytics to inform transport design and delivery, and future-proof transport systems throughout fluctuating demand
- Encouraging hyperlocalisation and social, environmental, safety and liveability outcomes through multi-modal and micro mobility
- Sharing strategic advice and best practices to safeguard transport investment

Sue Wiblin, *Executive Director, Emerging Technologies, Transport for NSW (TfNSW)*

Nicholas Kaliszewski, *Director Transport Analytics, Department for Infrastructure and Transport (SA)*

Fiona Calvert, *Director Policy & Reform Division, Policy, Precincts & Innovation Group, Department of Transport (VIC)*

MODERATOR: Sarah Norman, *Director Strategic Futures & Engagement, Department of Transport and Main Roads (QLD)*

Panel Discussion 2
Leveraging Innovation Precincts and Regions to Pilot Scalable Solutions

- Exploring how a range of state and local jurisdictions are using place-based approaches to drive sustainable physical development
- Sharing current and upcoming smart pilots underway in innovation precincts and regions, including waste, farming, water, mobility and asset management
- Introducing sustainable solutions and planning processes to reduce carbon emissions, increase liveability and develop industry
- Sharing strategic advice and best practices to increase collaboration between industry, government and community in place-based infrastructure

Phil Helberg, *Chief Executive Officer, Infrastructure WA*

Philipp Dautel, *Precinct Director, Tonsley, Renewal SA*

Miranda Mears GAICD, *Head of Smart Precinct NQ; Chief Impact Officer, Smart Precinct NQ*

Malcolm Smith, *Australasian Cities Leader, Arup*

MODERATOR: Colin Fairweather, *Advisor, Public Sector Network*

1:05pm Close

Thank you to our **Event Partners**

ARUP



This was a great event to be part of and would recommend it to anyone in the smart city space.

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What's On Next



**Smart Cities & Infrastructure
National Insights - Autumn Edition**

Virtual

2 June