



Smart**Cities**Council
AUSTRALIA NEW ZEALAND

2021: A Year in Review



Table of Contents



PART 1

Foreword

PART 2

Our Members

PART 3

2021 Highlights

PART 4

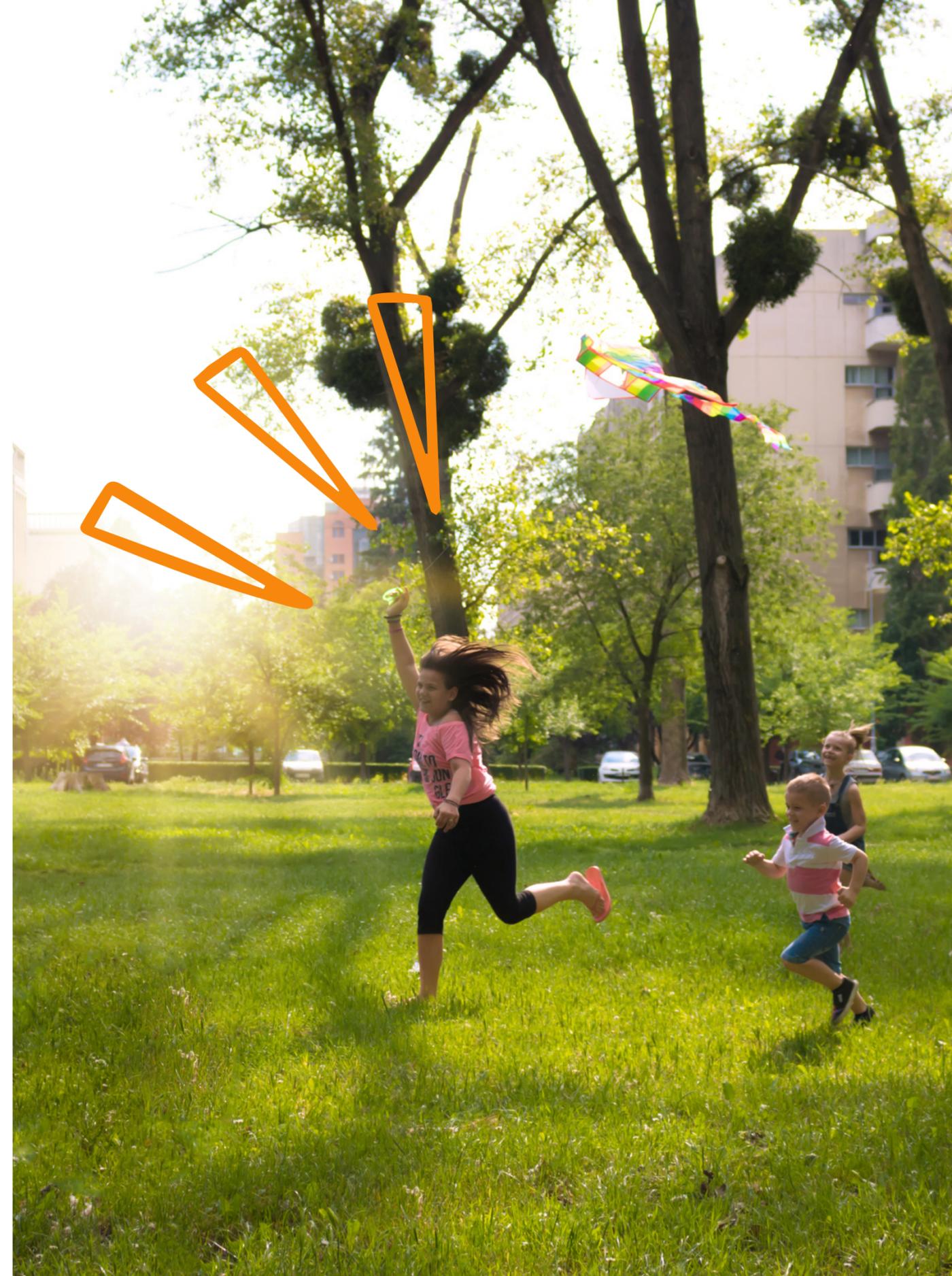
Our Programs

PART 5

2022: A Sneak Peek

Our Vision

We envision a world where smart, sustainable cities use innovation, technology and data insights to create high-quality living and jobs.



For a long time now, our work has been guided by the direction set within the UN Sustainable Development Goals (SDGs). They are purpose-driven, global and both Australia and New Zealand have committed to advancing them.

At SCC, we firmly believe that technology and data can accelerate the outcomes expressed by the SDGs, helping communities thrive and prosper.

Our Work

At the Smart Cities Council, we do four things:

INFORM - Create knowledge resources that build capacity to act and invest.

EDUCATE - Deliver the Smart Cities Practitioner program, through our Smart Cities Academy.

CONVENE - Bring our community together to engage in meaningful dialogue to advance best practices.

ADVOCATE - Help shape a policy environment that accelerates smart cities action and investment.



I am excited to be able to pen another foreward for SCCANZ's Year in Review publication – our third.

Why is this one so special? Because there is so much to share on our accomplishments over the past little while, and what's coming.

In what can only be described as one of the most challenging and uncertain times in recent history, we have exceeded our own expectations in what we have been able to achieve.

Not only has this surprised us at times, but we have also been overwhelmed by the continued support of our members and the wider smart cities community who continue to forge a path ahead in our call for more good from tech and data.



Foreword

**Adam Beck, Executive
Director, Australia New
Zealand**

Our membership grew in all categories – Cities, Solution Providers, Startup's and Knowledge and Research Partners. Our existing membership renewals continued to be higher than 97% - a core KPI in our ongoing performance, and ability to delivery our programs.

We held a record number of engagements for our members and the wider city shaping community – **23** webinars, **9** meet ups, **8** roundtables and workshops, **7** discovery sessions, **2** virtual site tours and **2** in-person Summits.

Our audience grew in terms of not only numbers, but also diversity and geography.

Our Future of Place and Digital Twin programs engaged new sectors, forged new partnerships and facilitated necessary dialogue that was not previously happening.

We entered into a game-changing partnership with the Association of Local Government Information Management in New Zealand, resulting in all local Council's in New Zealand becoming members of SCCANZ.



Foreword

**Adam Beck, Executive
Director, Australia New
Zealand**

We helped inform multiple elements of Infrastructure Australia's 'Australian Infrastructure Plan', supporting the government's new focus on digital by default.

With our new partner ALGIM, we submitted feedback on the draft Aotearoa Digital Strategy, focusing on trust, inclusion and growth.

We released the Draft Australia New Zealand Digital Twin Blueprint, after 18 months of work with hundreds of stakeholders across Australia and New Zealand, and around the world.

This year also had a special lens to it – we turned 5! So, there was much to reflect on in terms of the maturity we have all helped build. We have also thought deeply about the next 5 years, and what new priorities we start advancing in 2022. Some of these 'skunkworks' projects are outlined later in this document.

In the preceding pages you will find an overview of what we did in 2021, why we did it and what the outcomes were.

We hope you find this Year in Review informative.

Join us.



Foreword

**Adam Beck, Executive
Director, Australia New
Zealand**

2021

Our members



Our Members & Partners

Our members and partners allow us to do the work that we do. We are proud of the diversity of these industry, academia and government leaders, who collectively through the power of technology and data help shape cities, towns and regions around the world to be more liveable, workable and sustainable.

ALGIM



CITY OF **GOLDCOAST.**



AECOM



COMPLETE



FRONTIER **SI** >

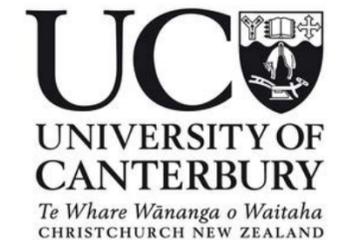


Jacobs
Challenging today.
Reinventing tomorrow.



ORACLE





New Around Here

We would like to thank the following organisations for becoming part of the Council in 2021

Public Sector

- City of Canterbury Bankstown
- City of Darwin
- Maribyrnong City Council
- Queenbeyan Palerang Regional Council
- Moreton Bay Regional Council
- City of Gold Coast
- City of Perth
- NSW Department of Planning, Industry and Environment

Private Sector

- Spot parking
- Taoglas
- DBM Vircon
- Bentley
- Spatial Vision
- Beca
- Spark
- Naveze
- Reveal Smart Nation
- Servguard
- Yellowbox
- Smart Access



And Some Milestones

We would also like to acknowledge some milestone members, including...

5 year member

Aurecon

3 and 4 year members

Arcadis | Delos Delta | KPMG | Meshed IoT | SUEZ |
Telstra | Vertiv

Our first renewing cities

Lake Macquarie Council | City of Marion



Plus, this!

One of our most exciting accomplishments of 2021, led by our New Zealand Director Jannat Maqbool.

In a world first, SCCANZ signed a partnership agreement with New Zealand's Association of Local Government Information Management (ALGIM), making all 78 local Councils in New Zealand members of SCCANZ.

The logo for ALGIM, with 'AL' in green, 'GIM' in blue, and 'ALGIM' in green.

ALGIM

Alliance bringing all 78
New Zealand councils
into SCC membership

Honouring the First

"As a company in the industry for many decades, we realised we could be more responsible in the way we conduct our business. We're literally turning over a new leaf and going green!"

The Aurecon logo features a small green dot above the letter 'a', followed by the word 'aurecon' in a bold, lowercase, sans-serif font.



[WATCH ON YOUTUBE](#)

2021
Our programs



SmartCities
Academy

Smart Cities Academy

In late 2020 we finalised the piloting of our Smart Cities Practitioner Certificate foundation course – the formal training program underpinning one of the world's only formal smart cities credentials.

→ **Over 300 credentialed practitioners**

With 136 people successfully being credentialed with the Smart Cities Practitioner Certificate in the Australia New Zealand region this year alone, 2021 proved itself as an opportunity to build on our early success.

By the time we published this document, we had over 300 credentialed policymakers, practitioners, and students from five countries.

→ **Some star players**

We would like to acknowledge **Moreton Bay Regional Council** as having the largest number of credentialed staff globally.

GWI also stepped up to the challenge and as an organisation invested in their people, and in turn their clients, by having the second-highest concentration of staff obtaining the Smart Cities Practitioner Certificate.

And another member company **DBM Vircon** now has the third-largest number of credentialed practitioners globally.





Events

Our events form an important part of the Academy, delivering knowledge and providing networking opportunities that help our industry grow.

Since we couldn't go out, we went online. In 2021, we hosted and facilitated conversations around important topics, each virtual event growing more interactive than before.

**Check out the
Academy here**





Future of Place

The relationships between technology, data, people and place are changing rapidly. We believe our planning and design practices and policy making are struggling at times to keep up.

We are creating the Future of Place Handbook to help us take advantage of these changes, and shape the best places for people.

Here's what happened

We have commenced a two year project to explore the relationship between people, place, technology and data. This first year (2021) has been focused on 'discovery' - what does this evolving relationship mean for city shapers, technologists and policy makers?



Our activity in 2021 included:

7 x Discovery Sessions

The future of the kerb | Street space allocation | Digital backbone of success places | Digital last mile | Autonomous amplified | Digital transparency in the public realm | Smart precincts

3 x City Design Roundtables

New mobility | Artificial Intelligence | 5G

1 x Last Mile Congress

Online | 10 November | 4hrs

2 x Virtual Site Tours

Online | South Australia and New South Wales | 4hrs

FUTURE OF PLACE FRAMEWORK

People | Place | Technology | Data

December 2021

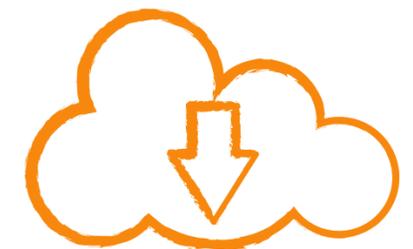


Future of Place, powered by:
SmartCitiesCouncil
Australia New Zealand



Future of Place Framework

Our discovery year culminated into a Framework, that identifies the technology and data enablers that are changing the face of place. The Framework presents a series of Future of Place 'principles of practice' that will guide the development of the Handbook in 2022.



Download a copy of the Framework at:
futureofplace.global



Centre for
Data Leadership

Powered by the SmartCitiesCouncil

Data Leadership

Welcome to our work to promote the use of data and insights to fuel prosperity, productivity and sustainability in our cities, towns and regions.



**What did
we get up
to?**



More than 80 people gathered in person to join our inaugural South East Queensland Data Leadership Summit. Among other topics, our dialogue addressed all things urban growth, post-COVID planning and what is needed for the region to embrace data as critical infrastructure.

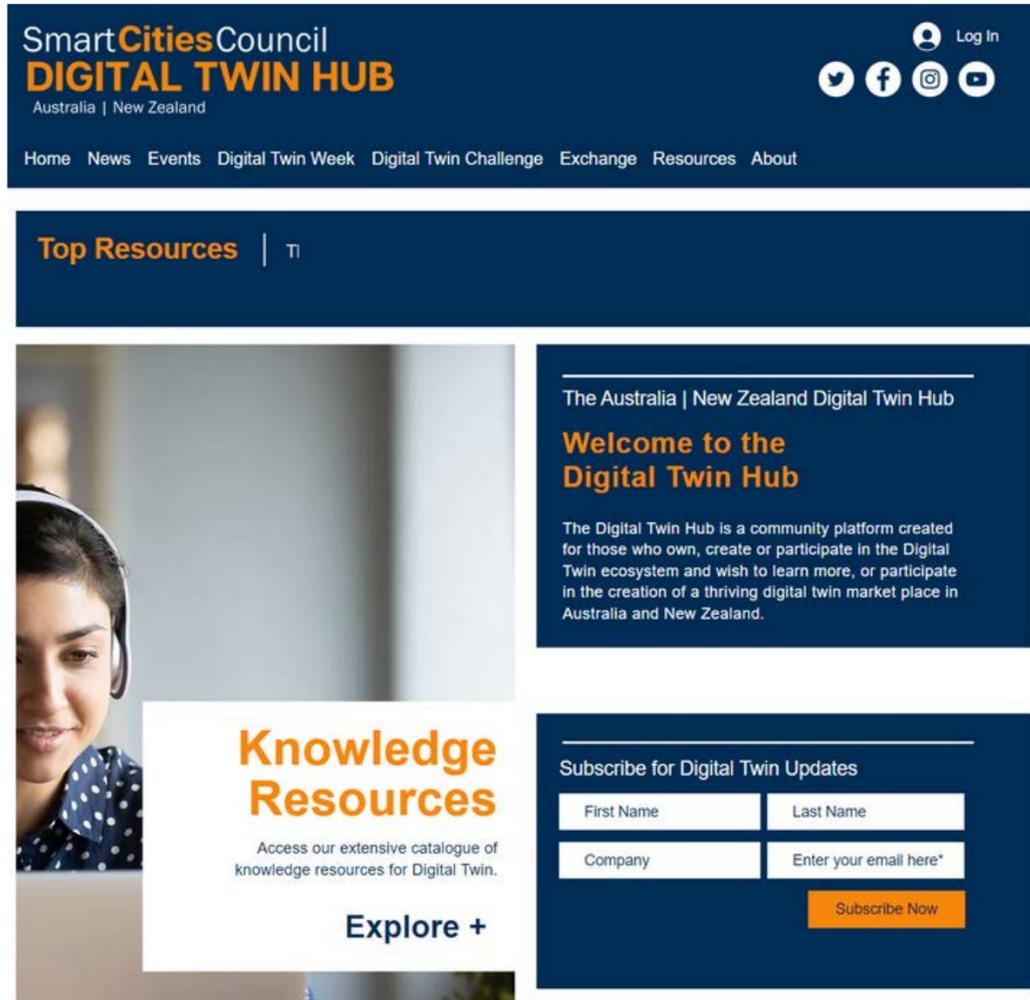


Digital Twin Week 2021

From case studies and networking lounge sessions, to keynotes and research roundtables - Digital Twin Week 2021 offered the region's premier Digital Twin knowledge exchange, networking and opportunity creation forum in 2021.

Access the recordings





The Digital Twin Hub is a community platform created for those who own, create or participate in the Digital Twin ecosystem and wish to learn more, or participate in the creation of a thriving digital twin market place in Australia and New Zealand.

And to augment the digital resource of the Hub, we brought our community together every month for Hub Meet's - 30mins of rapid knowledge sharing and networking.

**DIGITAL TWIN
HUB
MEET**





New Zealand Digital Twin Summit

The inaugural New Zealand Digital Twin Summit was hosted in Wellington on Thursday 8th July 2021. Close to 100 policy makers, practitioners and academics gathered for a day of intensive dialogue and workshopping to set direction on building a thriving marketplace for this powerful data activation capability.

What did we learn?

Capability is the number one blocker to sharing data internally, and externally.

Pilots are multiplying but they are missing the underlying infrastructure to scale impact.

Over half of smart city councils have a data strategy in place.

Just 16% of smart cities in Australia have matured data to a brokerage position

Smart Cities and IoT survey

In partnership with the Internet of Things Alliance Australia we facilitated our inaugural annual smart cities and IOT survey. It's purpose is to prioritise our efforts in helping build greater data maturity across Council's in Australia.



A Sneak Peek

In the year ahead, we'll be releasing...

...the **Future of Place handbook** and a set of Digital Twin knowledge resources via the Digital Twin Challenge.

We will also be hosting the **Data Leadership Influencers50** Awards, and bringing back our beloved **Smart Cities Week** in a whole new way, with roundtable discussions in key locations with some of the brightest minds in the space.

SMARTCITIESWEEK
AUSTRALIA NEW ZEALAND 2022



FUTURE OF PLACE

A first of it's kind

13 projects - each delivering a knowledge resource, freely accessible to all, to help kick-start Digital Twin action and investment across Australia and New Zealand.

17 organisations - public, private and academia - doing the heavy lifting to create the library of knowledge resources.

18 month program - of activities and engagements, including knowledge exchange, networking, learning, promotion, resource development.

At Digital Twin Week 2022 (17-21 October) the first Challenge will end and the outcomes presented and knowledge resources launched.



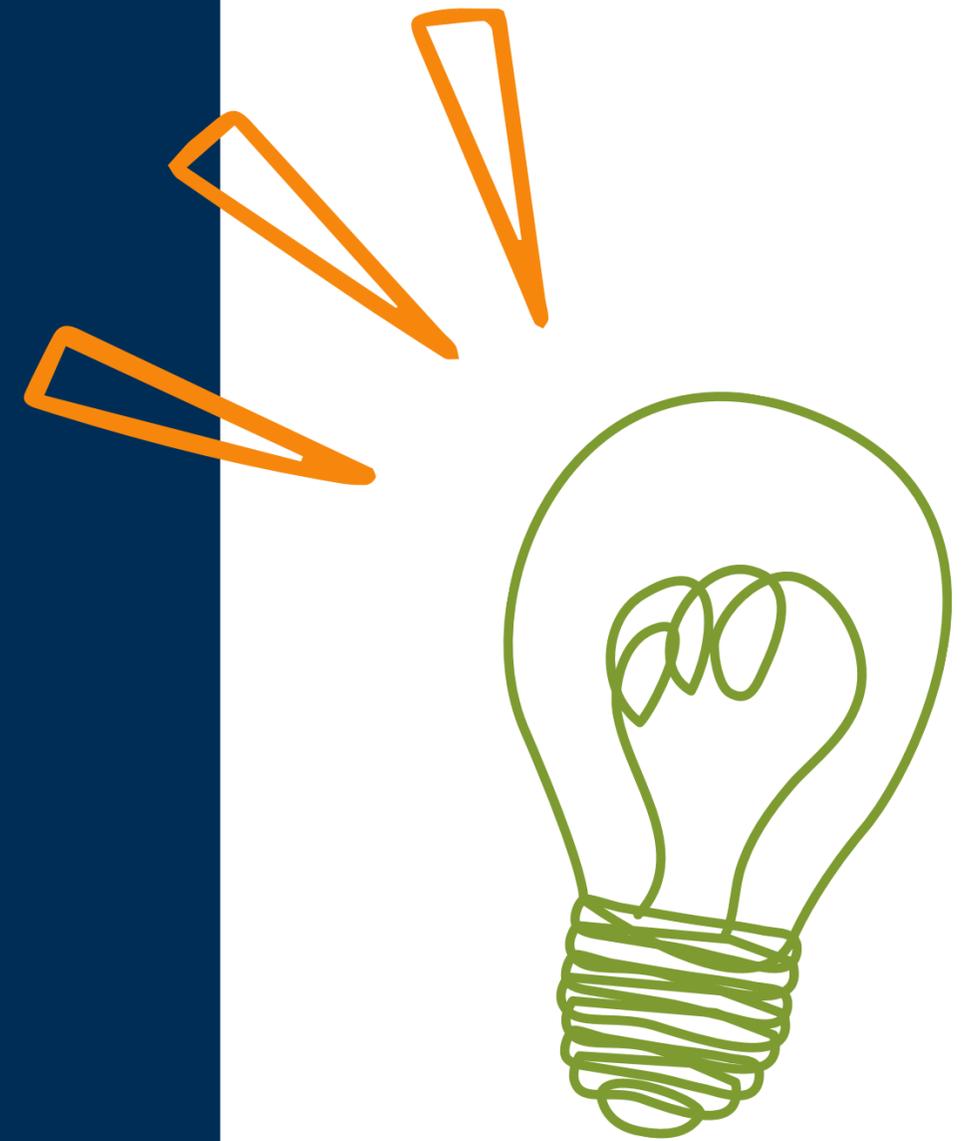
The **SEQ Data Leadership Summit** will be back in its format of blending our dialogues on urban growth, data leadership and sustainability. But there will be a new area of focus – preparing the region for the world’s largest sporting event, the (2032) Olympic and Paralympic Games.

Then, it’ll be on to **Digital Twin Week** and, throughout the year, we’ll be putting new Academy participants through their paces to see who has what it takes to earn the coveted **Smart Cities Practitioner Certificate**.

Of course, the usuals will remain true:

Smart Cities Chronicles and **Future of Place** podcasts will continue to share tales of smart cities action and the intersection of people, place, technology and data.

We continue to welcome submission of and participation in case studies, news and newsletters, smart precinct walkthroughs and virtual tours.



**How will you take
advantage of the
new year with us?**

Some 2022 'Skunkworks' projects

Data Leadership Disclosure Project

The Data Leadership Disclosure Project is an initiative to guide our 'data activation' efforts in a way that exercises best practice efforts in relation to the Data Leadership Vitals: purpose, privacy, security, ethics and governance.

By using disclosure as a means of building greater transparency, and therefore trust between government, the private sector and the community, smart cities investments can be procured and deployed in alignment with the Data Leadership Vitals.

Smart Cities Value Measurement

We often believe that, with time, technology and data projects to advance sustainability outcomes can have great impact. But are they?

This question has prompted the Smart Cities Council to investigate opportunities for building a framework that can help government and other stakeholders articulate the value that smart cities projects are delivering.

We hope this will provide more opportunity to build further commitment and funding to continue to implement technology and data projects that deliver community value.

...and introducing

Smart Aotearoa

In what will be our most concerted effort to scale smart cities action in Aotearoa New Zealand, we will focus on growing the smart cities community through partnership and strategic engagements and projects. We will endeavour to engage around key opportunities and challenges for our region, and as a good treaty partner align with Te Ao Māori and include indigenous voices at the table, on the work we advance across data leadership, Future of Place, and through the Smart Cities Academy.

We hope you will join us in 2022 to achieve great things for our nation.



Jannat Maqbool

Director - New Zealand

Smart Cities Council Australia New Zealand

Thank you!