

## Christchurch City Council wins IDC Smart City Asia Pacific Award for EQRNet

### IDC PRESS RELEASE

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19 Smart City projects across Asia/Pacific excluding Japan named Best of the Best in the 14 IDC Smart City Functional eService Categories

Auckland, New Zealand, 29 May 2020 – IDC Asia/Pacific announced today the 19 winners for this year's IDC Smart City Asia/Pacific Awards (SCAPA). Christchurch City Council were named as the winner in the Public Safety- Disaster Response/Emergency Management category for EQRNet - Earthquake Response Management.

In July 2018, the Smart Christchurch programme at Christchurch City Council (CCC) initiated a three year trial of the earthquake response network, EQRNet, with local company Canterbury Seismic Instruments (CSI). EQRNet is a dense network of more than 150 ground-based accelerometers which allows the Council to manage its earthquake response in real-time; safeguarding communities, staff, and assets above and below ground. This trial was initiated on the back of a 10-sensor pilot in the Christchurch CBD which demonstrated significant variations in ground-shaking over distances as small as 100m. This proved that a much greater level of monitoring is required than currently exists through GeoNet instrumentation.

Using EQRNet, CCC can instantly compare localised shaking to every building's design intent and NZ Building Code Limit States using best-practice spectral analysis techniques. The network's output provides defensible real-time information

to building managers, emergency teams, and the public, allowing better management of response during seismic events.

Louise Francis, IDC New Zealand Country Manager and ANZ Research Director, says

"For Christchurch City Council to be recognised on the regional stage, against such steep competition, is a tremendous achievement. New Zealand has consistently excelled every year since the Awards were launched by IDC in 2015 and now the Christchurch City Council is the latest to join the SCAPA hall of fame."

The IDC SCAPA Awards are now in their 6th Year. This year's winners were spread throughout Asia/Pacific: Taiwan with 4, China and Singapore with 3, South Korea and Australia with 2, and 1 from India, Hong Kong, Malaysia, Indonesia, and New Zealand.

"Further automation of city operations, creating better accessibility to digital ecosystems and tools for residents, and enhanced government services experiences- all dominate the transformation themes of Smart City projects in SCAPA2020. This year, many Asia Pacific Smart City projects focused on agile public policies and initiatives for social

inclusivity, intuitive and innovative city services, sustainable critical infrastructure revolutions and global engagements,” says [Gerald Wang](#), Head of Public Sector at IDC Asia/Pacific.

The current global Covid-19 pandemic has further strengthened cities’ resolve to create cutting edge ‘live, learn, work and play’ digital ecosystems. “With the direct impact of COVID-19 halting day-to-day activities to the bare essential services, the race to digital for socioeconomic resiliency and survivability is much more exigent than ever before. City governments would do well to accelerate their digitalization plans and learn swiftly from the investments and innovative projects of our SCAPA 2020 winners,” ends Wang.

These are the Asia/Pacific winners of the 2020 IDC Smart City Asia/Pacific Awards, and the outstanding smart city initiatives that distinguished them:

- Haikou City Brain by Haikou, Hainan (China) named Top Smart City Project for Administration.
- New Taipei City’s Smart Community App 2.0 by New Taipei City (Taiwan), and Perth Smart Cities Collaboration by City of Perth, Western Australia (Australia) named as Top Smart City Project for Civic Engagement.
- Desa Digital / Digital Village by West Java Government (Indonesia) named as Top Smart City Project for Digital Equity and Accessibility.

- Intelligent Tourism through Digital Currencies and Blockchain Technologies by Malacca (Malaysia) named as Top Smart City Project for Economic Development, Tourism, Arts, Libraries, Culture, and Open Spaces.
- Omni Smart Education in Taipei by Taipei (Taiwan), and Wenchang Smart Education Initiative by Wenchang, Hainan Province (China) named as Top Smart City Project for Education.
- Participatory Care and Telemedicine by Kaohsiung City, Pingtung County and Penghu County (Taiwan) named as Top Smart City Project for Public Health and Social Services.
- EQRNet – Earthquake Response Management by Christchurch City Council (New Zealand) named as Top Smart City Project for Public Safety – Disaster Response / Emergency Management.
- Crime-Free City Service Platform by Sejong Metropolitan Autonomous City (South Korea) named as Top Smart City Project for Public Safety – Smart Policing.
- Smart Lighting for Public Housing Estates by Singapore named as Top Smart City Project for Smart Building / Smart Tech Parks.
- Tainan Smart Flood Prevention Network Construction Plan by Tainan (Taiwan), and Underground Antenna and Excavation Sensing Device by Korea District Heating Corp (South Korea) named as Top Smart City Project for Smart Water.
- Energy Data for Smart Decision Making by New South Wales (Australia), and Smart Poles for a Sustainable & Scalable Smart City by New Delhi (India) named as Top Smart City Project for Sustainable Infrastructure.
- On-Demand Autonomous Buses by Sentosa (Singapore) named as Top Smart City Project for Transportation – Connected & Autonomous Vehicles, Public Transit, Ride-Hailing / Ride-Sharing.
- Minor Accident Remote Handling System by Shenzhen (China) named as Top Smart City Project for Transportation – Transportation Infrastructure.

- Development of a Common Spatial Data Infrastructure by Hong Kong, and Smart Unmanned Aerial Vehicle Enhanced or SUAVE by Singapore named as Top Smart City Project for Urban Planning and Land Use.

All winners were decided based on IDC analysts' benchmarking, public voting, and judging from an International Advisory Council. For queries about the methodology used for the Smart Development Index, contact Gerald Wang at [gwang@idc.com](mailto:gwang@idc.com). For media inquiries, contact Tessa Rago [trago@idc.com](mailto:trago@idc.com) or Alvin Afuang [aafuang@idc.com](mailto:aafuang@idc.com).

IDC Government Insights Asia/Pacific announced the 19 winners at a virtual event earlier today, and lead analyst Gerald Wang provided an update on the impact of the COVID-19 pandemic to Asia/Pacific public sectors and providing essential guidance on IT priorities to respond and recover during these uncertain times. To view this event OnDemand, please click [HERE](#).

For more information about this year's winners and the IDC Smart City Asia Pacific Awards, visit [www.idc.com/ap/smartcities](http://www.idc.com/ap/smartcities). IDC Government Insights advises Governments on how to leverage technology to realign government services with the needs and expectations of citizens, to enhance service delivery, drive

new revenue streams, and spur economic development.

To learn more about IDC's Smart City research and advisory capabilities, please visit [IDC Government Insights: Worldwide Smart Cities and Communities Strategies](#). IDC Government Insights has recently published its webinar series Responding to COVID-19 – What is Working and What Isn't: [Smart Cities and Government | Education | Healthcare](#). To know more about IDC Asia/Pacific's latest data on COVID-19, click [here](#).

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