GEOWORKS NEWSLETTER

📍 ASEAN GEOSPATIAL CHALLENGE 2021

Teams from ASEAN institutes of higher learning clinched awards at the first ASEAN Geospatial Challenge 2021 (Youth Edition). Announced at Geo Connect Asia on 24 March, the winners set themselves a challenge to use their geospatial skills to help nations achieve their sustainable development goals.

CONGRATULATIONS TO THE WINNERS OF THE DISTINCTION AWARD

MapBeks
UP Diliman and Polytechnic University of the Philippines - San Juan
Philippines
Project Topic: HIV and support facilities mapping

CONGRATULATIONS TO THE WINNERS OF THE EXCELLENCE AWARDS

SusCo Tech
SUTD
Singapore
Project Topic: Tackling challenges of harnessing renewable energy

GEO-AID
University of the Philippines Los Baños
Philippines
Project Topic: Geospatial database crowdfunding application development

SYT²
SMU, SIT, SIM and SUSS
Singapore
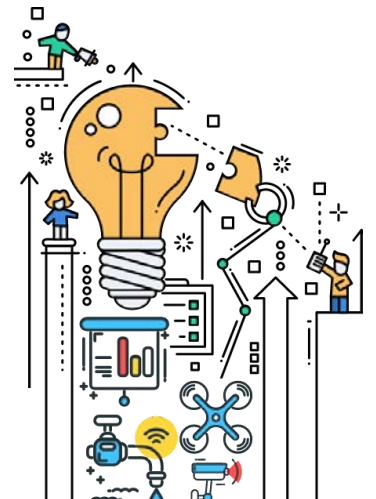**Project Topic:** Empowering wheelchair users towards independent living

THANK YOU SUPPORTING PARTNERS

ASEAN Geospatial Challenge

Organised and supported by
Brunei Darussalam | Myanmar | Phillippines | Singapore | Viet Nam

Supporting Partners
aws | citydata | esri | garuda robotics
Grab | GEO CONNECT Asia 2021 | GRAFFIQUO | here
HEXAGON | HUAWEI | mogul.sg | Trimble

GeoWorks | GeoTech

CITYDATA in GovTech 100 list for 2021

CITYDATA, one of GeoWorks' GeoTechs has once again made the prestigious GovTech 100 list for 2021, an exclusive list of innovative companies that provide technology products and solutions for the public sector by the Government Technology Magazine, GovTech.com.

NextBillion.ai Clinches Silver in SG:D TechBlazer 2020 Award

Congratulations to Nextbillion.ai on winning Silver at the SG:D Techblazer Awards 2020, hosted by SGTech and IMDA, in the 'Most Promising Innovation' category out of 400 entries! Also. Nextbillion.ai emerged as Grand Winner at #SLINGSHOT2020, a startup pitching competition organised by Enterprise Singapore for SWITCH.

Synspective released the First Image from its Small SAR Satellite "StriX-α"

Synspective Inc., a SAR satellite data and analytic solution provider, announced its first success on the first image acquisition from its first own SAR satellite "StriX-α". This is the first success in Japan that a commercial SAR satellite (100kg class) image was obtained from space.

GeoWorks | GeoPartner

FOURSQUARE RELAUNCHES PLACES PRODUCT WITH ENHANCED POINTS-OF-INTEREST (POI) DATABASE & NEW API

Foursquare has announced two major advancements to its leading location technology platform: the relaunch of the Places Database and the introduction of Places Enterprise API. With the enhanced database and new enterprise-grade API, Foursquare further cements its status as the #1 independent provider of point-of-interest (POI) data for enterprises and developers.

PLACES DATABASE: A RICHER MAP OF THE WORLD

With the API database revamp, developers and enterprises can use Places to design more engaging experiences for their users, identify the perfect location for a new brick-and-mortar venue, conduct more comprehensive market assessments, and much more.

PLACES ENTERPRISE API: BETTER DATA DELIVERY FOR ENTERPRISES

Using the Developer API as a foundation, Foursquare rebuilt a new API (currently in beta) with the goal of creating a delivery method that can meet enterprise standards, upgrade the developer experience, and enable great location-aware apps.

NEWS & EVENTS

With Geospatial and location becoming paramount in our lives, there is an exponential growth in the amount of spatial data being generated and captured.

Mr Sudhir Rawat, a Developer Product Marketing Manager at Microsoft shared with the audience on 11 January on how Azure Map services, a platform of geospatial APIs for the enterprise can help build applications in various ways e.g. Transportation, IoT & Building Management, through time-based route calculations that enable one to optimize day-to-day fleet management or showing the movement of people on site. Co-organised by GeoWorks and Microsoft, the Spatial Data Uses webinar aimed to share how geospatial data can be applied to real life examples, for example tracking traffic to save time, money and reducing impact on the environment.

11 JAN
SPATIAL DATA USES

21 JAN
BUILDING THE GEOSPATIAL ECOSYSTEM IN SINGAPORE

Close to 140 attendees participated in the Building the Geospatial Ecosystem in Singapore webinar on 21 January, co-organised by GeoWorks and SGTech, in partnership with Geo Connect Asia 2021.

Mr Michael Sim, Pathfinder at GeoWorks, moderated an active panel discussion joined by three other geospatial industry practitioners, Mr Lewis Goh, Chief Solutions Architect at Esri Singapore, Mr Ajay Bulusu, Co-founder of Nextbillion.ai, and Mr Hon Lung Chu, Head of Singapore and Business Development Southeast Asia at Volocopter.

The panel discussion covered topics such as what makes Singapore an ideal environment for geospatial adoption and which industries could benefit from employing geospatial technology and data in their businesses. Echoing that a skilled workforce was key in attracting businesses, Hon added that Singapore's "trusted public service platform with a well-functioning government" has aided Volocopter's geospatial operations to use Singapore as a springboard to enter the rest of the region.

On 28 January, Mr Chan Tack Ching, a Presales Specialist at Hexagon shared with the audience on how 3D City Data can be combined with Sensor Data in one application.

Introducing Lucy – a ready to use application, it allows one to smartly monitor infrastructure, traffic, or land parcels by processing sensor, asset, weather, and other operational data in a single platform.

Using SLA's 3D Singapore Sandbox, a demo was also shown to highlight the integration of live sensor feed into a 3D view of moving buses, status updates of critical infrastructure items, and combine panoramic imagery with other 3D datasets like terrain elevation, 3D models, and point clouds.

28 JAN
## 3D SINGAPORE SANDBOX: COMBINING 3D CITY DATA WITH SENSOR DATA
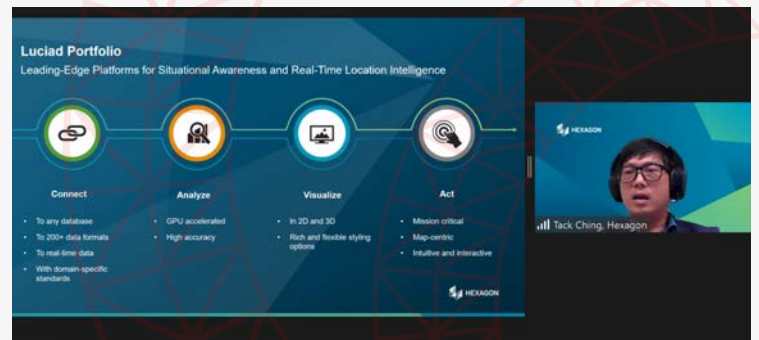
NEWS & EVENTS

ACE - GEOWORKS TEH TARIK SERIES:
## UNDERSTANDING VENTURE FINANCING & INVESTMENT

Hosted by Action Community for Entrepreneurship in collaboration with GeoWorks, Carmen Yuen of Vertex Ventures and Michael Lints of Golden Gates Ventures addressed the burning question of what industries and technologies as well as key factors VCs are focusing on this year.

One of the key factors that Venture Capital firms take into considerations when deciding to invest in a company, Carmen said, "We want to make sure that they have the potential to become the regional champion, if not the global champion." This would require founders to have high ambitions, determination and both the "mental and physical capacity to continue the journey".
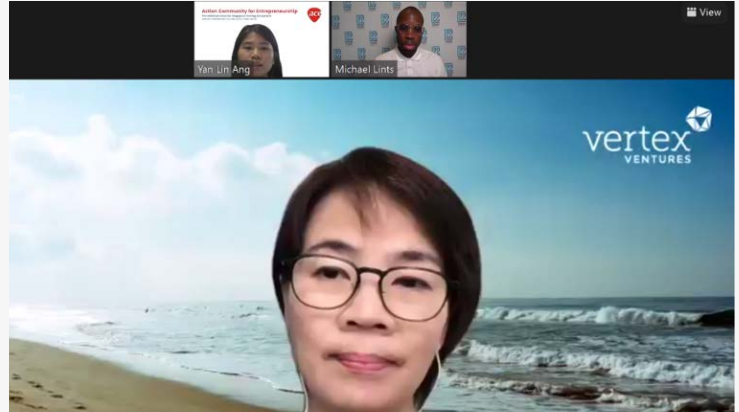
9 MAR
DIGITAL TWIN FOR SMART CITIES
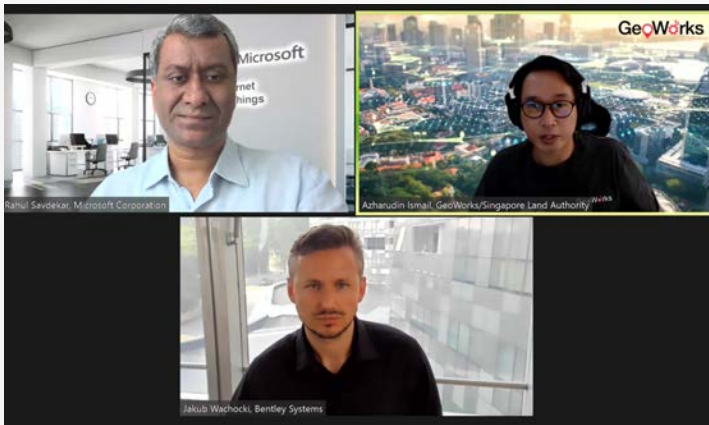
Held virtually on 9 March 2021, the speakers – Jakub Wachocki from Bentley Systems and Rahul Savdekar from Microsoft Corporation – shared insights and covered strategies and best practices for creating a virtual representation of physical environments and simulating that environment's performance for decision making. The discussion was jointly organised by GeoWorks, Bentley and Microsoft.

Digital twins, according to Jakub, are about bringing the "physical world and the digital world together to be able to make more informed decision-making and prescriptions towards actionable events within the real world.

"It is also important to see how the physical world is gelling with the digital world with so many devices, spaces and people connecting from the systems, context and processes from an experiences standpoint. It's basically a combination of so many of these factors which basically help you derive the maximum value from the digital twin system," said Rahul who has been featured in the "50 Most Impactful Smart Cities Leaders" global listing by the World CSR Forum.

19 MAR
GEOCOMMUNITY@GOV - DATA ANALYTICS IN COVID-19

Back for the second season, GeoCommunity@Gov is an initiative that aims to promote awareness of geospatial data and technology. While season 1 introduced the concepts of geospatial, season 2 would be delving deeper into the four broad themes of Geospatial Data, Industry, Technology and Capability.

In this episode, speakers from multi-agencies such as SLA (Lau Tack Guan), URA (Wang Songyu) and NParks (Abhishek Tandon) spoke about how geoanalytics and geospatial data are being used in the fight against COVID-19.
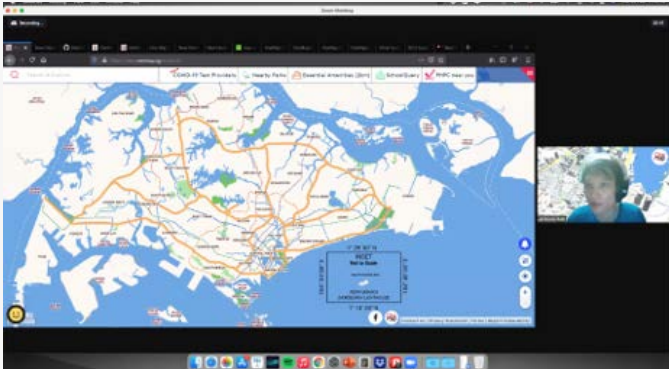
Bringing in overseas use cases as well as local examples such as the URA Space-out website and NParks safe-distancing @ parks platform, the team shared behind-the-scenes planning and deployment of geospatial data on dashboards and applications.
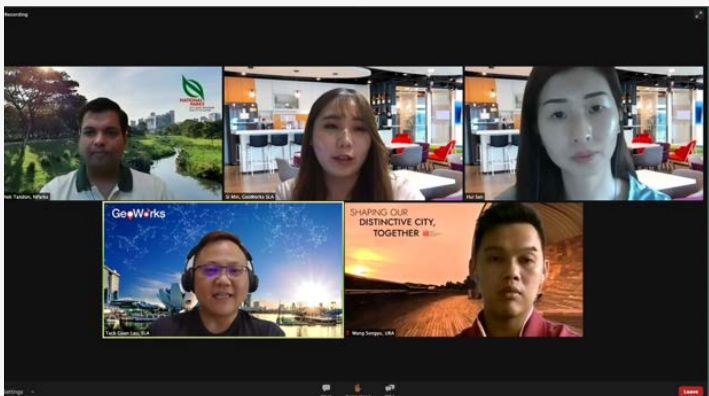
📍 ONEMAP NEWS & EVENTS

25 MAR
ONEMAP API WORKSHOP

On 25 February, the OneMap Team conducted a live OneMap API workshop for the students at SUTD, Data Viz Singapore and the Hack/Hackers Singapore communities.

Some of the topics covered were:
1. Different types of OneMap APIs including HTML examples
2. Demonstration of OneMap web/mobile (Android)
3. Web application challenge

The webinar ended with a Q&A session and students were challenged o create their own Data Visualisation app with various APIs including OneMap API.You may watch the full webinar on GeoWorks Youtube channel.

COVID-19 VACCINATION CENTRES ON ONEMAP

In line with Singapore's aim to vaccinate residents against the COVID-19 virus, information of COVID-19 vaccination centres are now displayed on OneMap, the authoritative national map of Singapore developed by Singapore Land Authority. This functionality is available from Friday, 19 March, on OneMap's web portal.

OneMap contains detailed and timely updated information with many useful day-to-day information and services contributed by government agencies. It is accessible at https://www.onemap.sg/main/v2/

Mobile versions are available for Android, iOS and Huawei users. To access the various mobile versions, please visit:

Android: https://go.gov.sg/omandroid
iOS: https://go.gov.sg/omios
Huawei: https://go.gov.sg/omhuawei

📍 MEET OUR NEW GEOPARTNER

HERE, a location data and technology platform, moves people, businesses and cities forward by harnessing the power of location. By leveraging on the open platform, HERE empowers their customers to achieve better outcomes – from helping a city manage infrastructure or a business optimise its assets to guiding drivers to their destination safely.To learn more about HERE, please visit **www.here.com** and **http://360.here.com**, or contact Premanjali Gupta, Senior Marketing Lead at **APAC_Brand@here.com**.

📍 GET TO KNOW OUR GEOTECHS!

"

URBANETIC

**Saibal D. Chowdhury
CEO and Co-founder
Urbanetic Pte. Ltd.**

saibal@urbanetic.io

1. What is something about your company that the general public might not know about?
That we are a Singapore company with global presence - selling Singapore's technological achievements in Smart City solutions to the rest of the world.

2. In your opinion, what skills are needed to work in the geospatial industry?
Dual talent combining subject matter with coding skills
(eg. An architect with good coding skills)

3. How has your experience with GeoWorks been?
GeoWorks have been perfect place for us to start - an emerging sophisticated network of companies combined with GeoWork's growth support programmes are excellent for any scale-ups like us.

"

1.   Tell us about your company and its solutions.
Lineable is a hardware-based company that is focused on creating smart, connected solutions to help families protect and prevent potential problems. The Lineable Marker serves to improve existing geolocation infrastructure by creating a smart IoT-fied environment, thus enabling the Lineable Bands to be widely deployed as connected wearables.

2. Are there any challenges that come with working with geospatial technology?
One of the biggest challenges we face in creating an effective solution is changing the traditional land survey markers into IoT platforms. Transforming these markers into IoT-fied survey points would potentially allow users to bypass relying on traditional technology like the GPS, and free us to use various emerging geospatial technologies.

Lineable

**Tyler Moon
CEO
Lineable**
msm@lineable.net

UPCOMING EVENTS

World Cities Summit 2021 Preview

WORLD CITIES SUMMIT
21 - 23 JUNE 2021

The biennial World Cities Summit (WCS) is an exclusive platform for government leaders and industry experts to address liveable and sustainable city challenges, share integrated urban solutions and forge new partnerships.

Jointly organised by Singapore's Centre for Liveable Cities (CLC) and the Urban Redevelopment Authority (URA), key highlights of the Summit include the WCS Mayors Forum, the Lee Kuan Yew World City Prize and the WCS Young Leaders Symposium.

For more information:
https://www.worldcitiessummit.com.sg/

27 - 29 JULY 2021
ROTOCRAFT ASIA AND UNMANNED SYSTEMS ASIA 2021

Rotorcraft Asia and Unmanned Systems Asia 2021 presents cutting edge innovations in the industry's fastest growing markets, across a wide spectrum of commercial and defence applications across air, land and sea. Bringing together the convergences of the rotorcraft and unmanned sectors, the event fosters an exchange of knowledge and synergies to elevate mobility solutions in the booming Asia Pacific market.

For more information: **https://rca-umsa.com/**

ACE - BACECAMP PROGRAMME
OPEN FOR REGISTRATION

Action Community for Entrepreneurship (ACE), organises a quarterly structured mentoring and learning program for early stage founders. Conducted over eight intensive days over a one-month period, the programme will cover essential concepts, shares relevant information and provides insights to new founders to have the confidence to build their startups and access the necessary resources.

Pre-registration for the upcoming sessions are open. Visit **https://bacecamp.ace.org.sg** for more details.

THANK YOU FOR YOUR SUPPORT!

Contributors: Lim Si Min, Seah Hui San, Vanessa Ching, Joyce Paul

FOLLOW US!

www.geoworks.sg

GeoWorks Geospatial Community

geoworks.sg

ASEAN Geospatial Network Group