

## **Annex B**

### **Highlights of projects at the Smart Urban Co-Innovation Lab**

**Industry vertical:** Intelligent estates

**Partners:** CapitaLand, Automated Lifestyle and Schneider Electric

**Project:** Office of the future

#### **Summary of project**

CapitaLand has teamed up with Automated Lifestyle (systems integrator) and Schneider Electric (equipment/technology provider) to create an open, continuous co-innovation platform to track, visualise and control the various workplace comfort and sustainability solutions such as energy usage, carbon dioxide and volatile gas levels, lighting, and air conditioning. This platform will allow current and future partners to add new features, new equipment, new sensors, as well as utilise the usage data to implement machine learning and artificial intelligence, to further enhance efficiency, customer experience and generate sustainability reports, etc. This is a unique and useful platform to enable co-innovation for the office of the future.

**Industry vertical:** Smart mobility

**Partners:** IMDA, CapitaLand, NavInfo DataTech and TPG Telecom

**Project:** 5G-enabled Cellular Vehicle-to-Everything technologies for autonomous vehicles

#### **Summary of project**

CapitaLand has partnered IMDA, NavInfo DataTech and TPG Telecom to set up Singapore's largest 5G smart estate trial site at CapitaLand's Singapore Science Park. The partners are the first in Southeast Asia to develop and testbed 5G-enabled Cellular Vehicle-to-Everything (C-V2X) technologies for intelligent mobility solutions in a commercial space. Since March 2020, TPG Telecom has deployed an advanced 5G standalone trial network across Singapore Science Park. NavInfo DataTech has developed high definition maps and is installing high precision Global Navigation Satellite System to augment existing Global Positioning Satellite Systems to improve precision mapping and positioning to enhance road safety. There will be trials on the ability of 5G and cloud technologies to receive and process real-time sensor data from autonomous vehicles on the road. These technologies are key to the future of autonomous vehicles.

**Industry vertical:** Sustainability

**Project:** 'CapitaLand Sustainability X Challenge'

#### **Summary of project**

Sustainability, being one of the core verticals supported by the Smart Urban Co-Innovation Lab, is one of the key areas where innovative projects and solutions will be explored. Launched on 1 October 2020, in conjunction with CapitaLand's 2030 Sustainability Master Plan, the inaugural 'CapitaLand Sustainability X Challenge' will source for innovations on a global scale to meet CapitaLand's sustainability targets aligned with business needs as set out in its Sustainability Master Plan. Two winners will be selected, and each winner will receive up to S\$50,000 in project funding to further develop their innovations and pilot their solutions with CapitaLand. Suitable companies can also leverage the Lab in Singapore to test ideas and pilot innovation solutions for commercialisation, with government funding available for eligible projects. For more information on 'CapitaLand Sustainability X Challenge', please visit: [www.capitalandsustainabilityxchallenge.com](http://www.capitalandsustainabilityxchallenge.com).