

Annex B – Details of Companies commercialising solutions or looking to testbed solutions at the 5G Open Testbeds

MPA's Maritime Drone Estate

1. Volocopter – *Interested to testbed solutions*

Volocopter is a German start-up focused on building a sustainable and scalable urban air mobility businesses to bring air taxi services to megacities across the globe. With the VoloCity, the company is developing the world's first fully electric "eVTOL" aircraft to transport passengers safely and quietly within cities. Volocopter has 400 employees in offices in Bruchsal, Munich, and Singapore, and is currently looking to explore three potential 5G applications: downloading vehicle flight logs during vehicle turnaround, the connectivity of distributed ground sensors and the connectivity of its Volocopter aircraft during flight.

2. Heron Technology – *Interested to testbed solutions*

Heron Technology Pte Ltd (Heron) was founded in February 2017 to deliver cyber security and unmanned aircraft system (UAS) services and solutions in Asia. Heron is aiming to support drone operators performing maritime-based operations through the provision of UTM services on our AirBridge platform. Heron intends to test communication for aircraft tracking, situational awareness and conformance monitoring communication for aircraft contingency management, communication for airspace constraint notification and drone communication security on 5G network

CapitaLand's Smart Urban Co-Innovation Lab

3. Weston Robot – *Interested to testbed solutions*

Weston Robot is a deep-tech Robot as a Service (RaaS) company headquartered in Singapore. Weston Robot's business covers a wide range of in-house developed robot development toolboxes, robot platforms and robotics solutions. Weston is keen to trial 5G in the areas of remote driving and video streaming for its robotic solutions.

4. IFSC – *Interested to testbed solutions*

IFSC Pte. Ltd. was established in 2016 to provide cutting-edge and transformative urban solutions for the environment and facilities services industry through digital and technological transformation. IFSC focuses on three areas in facilities management (FM) – software solutions, horizontal automated cleaning, and vertical automated cleaning. IFSC intends to use 5G for real-time litter recognition, surveillance for safe management measures and identification of human-related incidents for safety and quick response.

IMDA's Pixel

5. Serl.io – *Solution already test-bedded, looking to commercialise*

Local startup Serl.io develops mixed reality solutions for enterprises, government and educational institutions. The company has worked on custom mixed reality (MR) applications to deploy real-time collaborative and interactive MR content. Serl.io has developed and beta launched a No-Code collaborative Mixed Reality platform at Pixel and is currently working with ITE and IBM to use 5G with MR. The company is currently commercialising its MRx platform, which is in closed beta.

6. Hiverlab – *Solution already testbed, looking to commercialise*

Hiverlab drives digital transformation with emerging technologies to redefine human interactions for an innovative and inclusive world. Hiverlab's platform and solutions empower organisations around the world to build their future digital infrastructure in education, communication and operations.

Hiverlab has been utilising 5G Living Lab@PIXEL to test out a series of immersive solutions, including Hiverlab's augmented reality broadcasting platform Realitycast, an immersive digital twin solution, and a 360-degree interactive streaming solution on Hiverlab's cloudexpo platform.

The company has secured business opportunities for clients to adopt 5G infrastructure with its immersive solution for industrial facility management and online immersive learning.

About Info-communications Media Development Authority (IMDA)

The Infocomm Media Development Authority (IMDA) leads Singapore's digital transformation with infocomm media. To do this, IMDA will develop a dynamic digital economy and a cohesive digital society, driven by an exceptional infocomm media (ICM) ecosystem – by developing talent, strengthening business capabilities, and enhancing Singapore's ICM infrastructure. IMDA also regulates the telecommunications and media sectors to safeguard consumer interests while fostering a pro-business environment and enhances Singapore's data protection regime through the Personal Data Protection Commission. For more news and information, visit www.imda.gov.sg or follow IMDA on Facebook IMDAsg and Twitter @IMDAsg.

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