

Changi General Hospital, CapitaLand Investment and KONE collaborate to advance the integration of robotics in buildings

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MEDIA RELEASE

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National standard launched to guide industry players on synchronising communications between robots and smart infrastructure

Singapore, 28 May 2022 – In support of Singapore’s Smart Nation initiative, Changi General Hospital (CGH), CapitaLand Investment Limited (CLI) and KONE are collaborating to testbed the integration of multifunctional robots and building infrastructure with local and international industry players. The testbeds at Heartbeat @ Bedok and the CLI-led Smart Urban Co-Innovation Lab (the Lab) at Singapore Science Park 2 are guided by a new national standard, Technical Reference (TR) 93, which sets out the guidelines to support harmonised data exchanges between autonomous robots and building infrastructure for effective deployment through horizontal and vertical spaces.

2 Through efficient communications with lifts and doorways, various robots can travel autonomously and safely through indoor and outdoor spaces and gain access to various storeys in a multi-storey building. These crucial developments led by cross-industry efforts are a boost to Singapore's robotics ecosystem in line with the national Research, Innovation, and Enterprise 2025 plans, as they help to reduce the time and costs needed to integrate robots with buildings, enhance efficiencies, support the safe deployment of robots within dynamic environments, as well as create new opportunities and jobs.

Forging vibrant partnerships in East Coast

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