

FOR IMMEDIATE RELEASE

Tiong Seng forges research collaboration with Ngee Ann Polytechnic to establish Singapore's first joint lab focusing on construction robotics

- This five-year strategic collaboration leverages on Tiong Seng's technological expertise and market know-how with Ngee Ann Polytechnic's strong robotics R&D capability
- The synergistic partnership will spearhead the development of unique and intelligent construction robotics solution and generate new waves of Innovation and breakthroughs
- In line with government's Smart Nation initiative, the joint lab will nurture young talent to develop deep competencies in industry-ready robotics for construction

SINGAPORE – 14 November 2019 – Mainboard-listed construction group and property developer, Tiong Seng Holdings Limited (长成控股) ("Tiong Seng", "TS", or together with its subsidiaries, "the Group"), is pleased to announce the signing of a Research Collaboration Agreement (RCA) with Ngee Ann Polytechnic ("NP") to set up Singapore's first jointly-established construction robotics lab by a private-sector enterprise and an Institute of Higher Learning (IHL).

As part of a five-year strategic collaboration, Tiong Seng and Ngee Ann will work on applied R&D in the field of industrial-grade robotics for the construction industry. Located within the Ngee Ann Polytechnic campus, the newly established Tiong Seng-NP Construction Robotics Lab aims to combine Tiong Seng's technological expertise and market know-how with NP's strong robotics R&D arm to develop useful robotic solutions for the built environment sector.

The potential applications conceptualised at this early stage include AI-enabled robotic inspectors for construction sites. Apart from empowering quality checkers and supervisors with precision robotics to ensure better accuracy and higher quality output, the robotic inspectors will also facilitate consistent inspection procedures across all construction projects.

Since 2014, Ngee Ann has developed many successful robotic applications for various sectors including the healthcare and education industries. Supported by NP's strong R&D capabilities and established track records, the Group aims to leverage this platform to groom young talent in the robotics field, enhance competency and generate new waves of Innovation and breakthroughs for the built environment sector.

Mr Pek Lian Guan (白連源), CEO of Tiong Seng Holdings Limited commented, *"We believe this collaboration has the potential to yield long-term synergistic benefits for both parties and the sector as a whole. Supported by Ngee Ann Polytechnic's proven R&D capabilities and established track record in robotics, we are confident of leading the charge in developing unique and intelligent construction solutions*

to enhance productivity, safety and the quality of our projects. Over the longer term, these efforts will also complement the government's overarching vision of streamlining construction processes while creating new and better jobs in the sector. Beyond capability development, this joint lab serves as an avenue for Tiong Seng to give back to the community by grooming budding talent crucial for the advancement of our industry in the coming decades."

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About Tiong Seng Holdings Ltd.

Tiong Seng is principally engaged in building construction and civil engineering in Singapore, and property development in China and Singapore.

With an established track record of 60 years, Tiong Seng is one of the leading building construction and civil engineering contractors in Singapore. It holds the highest grading of A1 from the Building Construction Authority of Singapore (BCA) for both general building and civil engineering, which qualifies the Group to undertake public sector construction projects with unlimited contract value.

Tiong Seng's property development business focuses on developing residential and commercial projects in various second- and third-tier cities in China. The Group has successfully developed properties in Tianjin, Suzhou and Yangzhou and it currently has four on-going projects in the Bohai Economic Rim, which is one of the main economic zones in the China. On top of its projects in China, the Group has also made headway in the Singapore property market with the acquisition of landbanks in the prime districts 9 and 10.

About Ngee Ann Polytechnic

Ngee Ann Polytechnic ("NP") was set up in 1963 by the Ngee Ann Kongsi, a philanthropic foundation, as Ngee Ann College with only 116 students. Today, NP is one of Singapore's leading institutions of higher learning with over 14,800 full-time students, about 3,000 part-time students and a vibrant alumni community of more than 148,000. NP offers 36 full-time diplomas that cover diverse areas ranging from business, media, humanities and social sciences to information technology, engineering, life sciences, and health sciences.

NP's research and development capability in robotics attained one of its early milestones in 2014, when it rolled out its first robot fully developed in-house, called "RoboCoach". Today, its new NP Robotics Research & Innovation Centre (NPRRIC) conducts cutting-edge applied research in robotics and produces industry-ready professionals, in support of Singapore's Smart Nation movement. NP has successfully developed service robots for the healthcare sector to help voluntary welfare organisations keep senior citizens healthy and active through guided physical exercises, as well as for the education sector to provide interactive service assistances in libraries, classrooms and other public areas.

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Financial PR

Mr. Kamal Samuel/Mr. Jonathan Wee
Investor Relations Consultants
Tel: (65) 6438 2990 | Fax: (65) 6438 0064
Email: tionseng@financialpr.com.sg