PRESS RELEASE

Tritech Group develops an AI-based Data Analytics System ("ADAS") for both engineering and water-related and environmental businesses

- Early venture into ADAS puts the Group in good stead to leverage on the digital realm of construction and water-related and environmental monitoring
- Adoption of in-house developed technologies mitigates the impact of COVID-19 on the business
- Leverage on Big Data Analytics and advanced technologies to drive and integrate both engineering and water-related environmental businesses.

Singapore, 29 September 2020 – Tritech Group Limited ("**Tritech**" or the "**Company**" and, together with its subsidiaries, the "**Group**"), a leading engineering and water-related and environmental group, is pleased to announce that the Group has ventured on its journey of digital transformation by developing a Big Data and Artificial Intelligence ("**AI**") platform for both engineering and water-related and environmental business, i.e. ADAS.

Globalization, demographic shifts, data explosion, technologies disruption, climate change, redefined jobs and complexity are the trends shaping the futures of organisations. Enterprises across the continents are looking to invest in digital technologies as the key enabler to drive new business propositions and user experiences, and deliver on significantly enhanced offerings[1]. The outbreak of COVID-19 has significantly accelerated digital transformation in businesses and organisations with many having to launch digital initiatives in a short span of time.

Over the years since 2014, the Group has been venturing into research and development projects that involve key digital technologies. This has laid a strong foundation for the Group and enabled the Group to undertake a seamless digital transformation process during the outbreak of COVID-19.

The Group has developed ADAS which is a 4-D analysis software package which is able to digitalize the Group's both engineering and water-related and environmental businesses, minimise manpower requirements and is expected to improve the Group's profit margins for these businesses. It is a knowledge management and decision support platform through a consolidation of in-house technologies to further enhance efficiency and productivity. It also enables the Group to extend services of group companies to customers beyond Singapore.

[1]McKinsey Global Institute, 2016, '*The Age of Analytics: Competing in a data-driven world*, McKinsey&, Retrieved from: https://www.mckinsey.com/~/media/McKinsey/Industries/Public%20and%20Social%20Sector/Our%20Insights/The%20age%20of%20analytics%20Competing%20in%20a%20data%20driven%20world/MGI-The-Age-of-Analytics-Full-report.pdf.

Leveraging on Big Data Analytics ("**BDA**") and cloud computing technologies, the Group has also developed a Tunnelling and Excavation Web-based Monitoring System ("**TEMS**") which is an advanced programming concept that aids project management, data collection, data analytics and monitoring of projects. TEMS has been deployed in various tunnelling projects related to the construction of the Mass Rapid Transit ("**MRT**") in Singapore. Notably, TEMS won the Minister's Innovation Award (Merit Award) in 2015, which was launched by the Ministry of Transport. Other initiatives include waterways and dam real-time monitoring systems, ground movement and soil stress simulation software (Geotechnical Finite Element Software) and BDA in the areas of water and environment monitoring.

Furthermore, AI and machine learning ("**ML**") are poised to play an increasing role in the construction space, with their ability to exploit data and turn it into tangible value perfectly suited to the industry. Construction companies can use AI and ML to analyse information on stock levels, schedules and even project-specific data such as weather or other disruptions, making them better-informed and able to avoid future mistakes or issues encountered in previous projects. The Group has adopted in-house developed construction technologies which include automation technology that can reduce manpower and manual operations, mitigating the impact of COVID-19 on the business. Growing complexity in the construction industry will require efficient and seamless integration of architectural and engineering design tools. The experience that the Group has acquired with BDA technologies put the Group in good stead for the Group's expedition into the digital realm of the construction space.

As shown in Figure 1, from financial years ended 31 March (FY) 2014 to FY2020, the Group's accumulated contract values for digital related projects for engineering or water-related and environmental businesses increased from S$4.1 million to S$38.2 million.

Digital technology in the post-COVID-19 era will become the lifeline for most businesses irrespective of their size or industry sector. The Singapore Government (the "**Government**") has committed to build a vibrant info-communications and media ecosystem locally. The Government has also proposed a suite of recommendations to guide the implementation of the three strategic priorities and four enablers under the Digital Economy Framework for Action in May 2018[2]. This will bode well for the Group's digital business by tapping on the favourable policies.

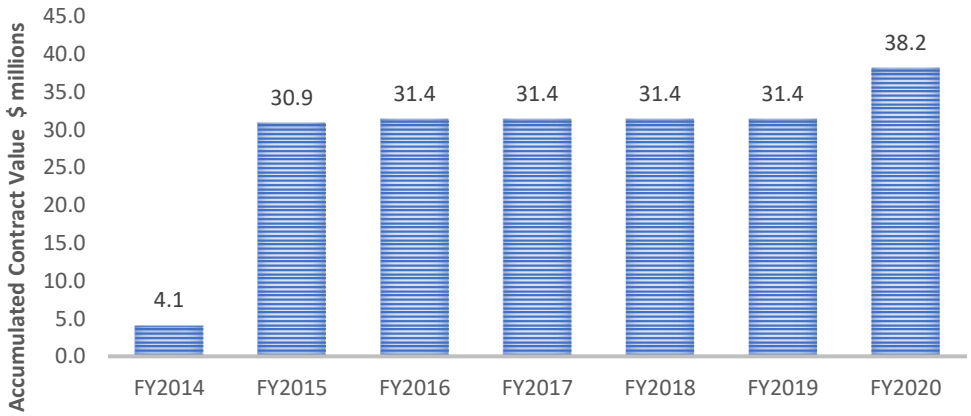

Figure 1: Tritech Group's accumulated contract value for digital related projects from FY2014-FY2020.

[2]Inforcomm Media Development Authority, '*Digital Economy Framework for Action'*, IMDA, 2018, Retrieved from: https://www.imda.gov.sg/-/media/Imda/Files/SG-Digital/SGD-Framework-For-Action.pdf.

Dr. Jeffrey Wang, Managing Director of Tritech, said, **"Big Data and Artificial Intelligence is changing the way we live and leading to faster and sharper decision making in our daily life. Going forward, we will leverage on Big Data Analytics and advanced technologies to reinvent the way we do business and drive our engineering and water-related and environmental businesses. We will integrate technology into our daily operations such as take stock of the digital products of AI-based Data Analytics System (ADAS) that we have, assemble the products in our digital platform architecture and nurture the platform into a self-sustaining ecosystem."**

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About Tritech Group Limited

Established in 1999, Tritech Group Limited ("Tritech" and together with its subsidiaries, the "Group") has grown into a leading water & environmental group with two key business segments – "Urban & Environmental Infrastructure" under TGL Engineering Group, and "Water & Environmental Protection" under Tritech Environmental Group. Since inception, Tritech has built an excellent reputation as a specialist engineering group with capabilities to provide a full range of engineering services from project planning, site investigations, design & consultancy, instrumentation & monitoring, construction, supervision & management. The Group serves a broad range of industries, such as infrastructure, oil & gas, commercial and high-end residential property developments. Led by an experienced management team of highly qualified professionals that includes eight PhD holders, the Group is one of few engineering groups in Singapore with the technical expertise and capabilities to provide services that span across the entire value chain.

Over the years, the Group has established a strong foothold in projects for government statutory boards such as the Jurong Town Corporation, Land Transport Authority, Public Utilities Board and Housing and Development Board. It has a proven track record in a multitude of high-profile public and private sector projects in Singapore, including the MRT Circle, Downtown and Thomson-East Coast Lines, Jurong Rock Cavern, Underground Drainage & Reservoir System, Reflections @ Keppel Bay, Interlace and Marina One.

As part of the Group's strategy to strengthen its growth prospects, Tritech has expanded into the Water & Environmental Protection business. For its Water & Environmental Protection business, the Group has built a unique platform to provide total solutions for water and environmental problems in the People's Republic of China ("PRC") and Southeast Asia.

Tritech was listed on SGX Catalist in Singapore on 21 August 2008.

For more information, please visit www.tritech.com.sg

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