

Keppel Technology Advisory Panel

The Keppel Technology Advisory Panel supports Keppel's transformation initiatives through technology foresight.

Established in 2004, the Keppel Technology Advisory Panel (KTAP) brings together thought leaders and business veterans from key industries relevant to Keppel. Drawing from the diverse experience, knowledge and network of its members, KTAP supports Keppel's transformation initiatives under Vision 2030 and efforts to stay abreast of the changing global technology landscape.

Assisted by Keppel Technology & Innovation, as well as innovation teams across the Group, KTAP guides the process of technology foresight, providing input for innovation priorities under Vision 2030. KTAP's work includes driving the Group's exploration of emerging trends in technology and industry and providing advice for innovation projects. Panel members are also heavily involved in nurturing the Group's collaboration with external innovation ecosystems globally. Through KTAP, Keppel gains early access

to strategic innovations under development and receives a continuous injection of new ideas and perspectives.

KTAP convenes Keppel's annual technology foresight conference, which brings together thought leaders across academia, startups and industries to share their perspectives on emerging technology and megatrends. At the 2022 conference, over 25 distinguished speakers shared their expertise, ideas and vision of the future with over 300 participants, including Keppel's Board, management and key leadership teams across our lines of business. A wide range of topics was discussed at this platform, including connectivity technologies, such as the metaverse, quantum computing and Web3; the next horizon for the energy transition; the evolving carbon economy; impact investing and sustainability; as well as new business models for service delivery.

Moving forward, KTAP will continue to assess technology developments and explore groundbreaking ideas in the aforementioned areas, and also drive technology foresight in new domains as part of Keppel's efforts to fuel the momentum for innovation across the Group.



From left: Mr Ed Ansett, Mr Danny Teoh (Chairman of Keppel Corporation), Mr Chua Kee Lock, Dr Ng Wun Jern (Chairman of KTAP), Professor Cheong Koon Hean and Mr Loh Chin Hua (CEO of Keppel Corporation). Not in picture: Dr Romain Debarre.



Topics discussed at 2022's KTAP technology foresight conference included connectivity technologies such as Web3, Metaverse and quantum computing.

KTAP Members

Dr Ng Wun Jern (Chairman)

Dr Ng founded the Nanyang Environment & Water Research Institute (NEWRI) in 2007 and led it for 10 years. He was President's Chair Professor at the School of Civil & Environmental Engineering, Nanyang Technological University, and his some 400 publications on water, wastewater and waste management and soil remediation include IPs and commercialised inventions. Dr Ng serves as technical advisor to government agencies, established environmental companies, incubators and private equity funds, and guides start-up companies active in ASEAN, China, and South Asia.

Chua Kee Lock

Mr Chua is the Group President & CEO of Vertex Holdings, a Singapore-headquartered venture capital investment holding company. Vertex Group is a global venture capital network comprising four early-stage technology-focused funds (Vertex Ventures China, Vertex Ventures Israel, Vertex Ventures US, Vertex Ventures SEA & India), an early-stage healthcare-focused fund (Vertex Ventures HC) and a growth stage fund (Vertex Growth). He is concurrently Managing Partner of Vertex Ventures SEA & India, Chairman of Vertex Growth Fund as well as Chairman of Vertex Technology Acquisition Corporation, the first listed SPAC in Singapore.

Dr Romain Debarre

Dr Debarre is the Managing Director of the Kearney Energy Transition Institute and a Partner in Kearney's Energy & Process Industries Practice. He possesses diverse experience in energy, business strategy and scientific research. He is a recognised energy expert who forges close ties between governments, companies and academics to leverage technological opportunities and reduce carbon emissions.

Professor Cheong Koon Hean

Professor Cheong is concurrently chairman of Ministry of National Development's Centre for Livable Cities Advisory Panel and Singapore University of Technology and Design's Lee Kuan Yew Centre for Innovative Cities. She is also a board trustee of National University of Singapore, a council member of the International Federation for Housing and Planning and a board member of CapitaLand Group. She was formerly CEO of the Housing & Development Board from 2010 to 2020 overseeing the development and management of some 1 million public housing flats. Professor Cheong had played a key role in major urban transformation projects including Singapore's new city extension at Marina Bay and the Sino-Singapore Tianjin Eco-City in China.

Ed Ansett

Mr Ansett is the founder and chairman of i3 Solutions Group, a consulting engineering firm, specialising in data centres and mission-critical facilities. He is a specialist and pioneer in the field of high reliability critical facilities.