

## KEPPEL TECHNOLOGY ADVISORY PANEL



From left: Professor Stefan Thomke, Mr Loh Chin Hua (CEO of Keppel Corporation), Mr Peter Noble, Professor Ng Wun Jern, Mr Chua Kee Lock, Dr Lee Boon Yang (Chairman of Keppel Corporation) and Dr Romain Debarre.

### THE KEPPEL TECHNOLOGY ADVISORY PANEL SEEKS TO ADVANCE THE GROUP'S TECHNOLOGY LEADERSHIP.

Established in 2004, the Keppel Technology Advisory Panel (KTAP) includes eminent business leaders and industry experts from across the world. KTAP members provide technology foresight for Keppel, advise on strategic projects and provide contacts to broaden Keppel's networks.

In 2020, KTAP focused on the Vision 2030 themes of Energy & Environment, Urban Development, Connectivity and Asset Management, with individual topics dedicated to the Vision 2030 growth engines. These topics included the energy transition and the resultant opportunities in renewable energy such as offshore wind and hydrogen; the increasing demand for PropTech across asset classes; the 5G eco-system, as well as the changes in consumer behaviour and lifestyle as a result of COVID-19, amongst others. This lays the foundation for Keppel's transformation plans to be one integrated business and a provider of end-to-end solutions for sustainable urbanisation.

### PROFESSOR NG WUN JERN

#### Chairman

*BSc (Civil Engineering) QMC London University; MSc (Water Resources) and PhD University of Birmingham, PE(S), CE (S), FIES, MSAEng*

Professor Ng was the founding Executive Director at the Nanyang Environment & Water Research Institute, and President's Chair Professor at the School of Civil & Environmental Engineering, Nanyang Technological University. He has some 400 publications on water, wastewater and waste management, and soil remediation. He has founded spin-off companies based on his IPs, and serves as technical advisor to government agencies, established environmental companies, incubators and private equity funds while also guiding start-up companies active in ASEAN, China and South Asia.

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## PROFESSOR STEFAN THOMKE

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*BSc (Electrical Engineering), University of Oklahoma; MSc (Electrical & Computer Engineering), Arizona State University; SM (Operations Research), SM (Mgmt.), PhD (Electrical Engineering & Mgmt.), Massachusetts Institute of Technology; Dr. rer. oec. (Honorary), HHL Leipzig Graduate School of Management; AM (Honorary), Harvard University*

Professor Thomke has published widely and is an authority on innovation management. He is the William Barclay Harding Professor of Business Administration at Harvard Business School and has chaired several of the university's executive education programmes. Prior to joining Harvard, he was with McKinsey & Company in Germany.

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## CHUA KEE LOCK

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*BSc. (Mechanical Engineering), University of Wisconsin at Madison; M.Eng. Stanford University*

Mr Chua is 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). Each of these funds is managed by independent and separate General Partnerships and investment teams, with Vertex Holdings providing anchor funding alongside significant third party capital commitments. He is concurrently Managing Partner of Vertex Ventures SEA & India as well as Chairman of Vertex Growth Fund.

Prior to this, Mr Chua held senior positions in Biosensors International Group, a developer/manufacturer of medical devices, Walden International, a US-headquartered venture capital firm, NatSteel, a Singapore industrial products company, and Intraco, a Singapore-listed trading/distribution company. He also co-founded MediaRing, a provider of voice-over-internet, which later listed on Singapore's stock exchange. He currently serves on the boards of several companies, including Yongmao, a Singapore public-listed company.

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## PETER NOBLE

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*Fellow, Land Medalist and Past-President, Society of Naval Architects & Marine Engineering, USA; Fellow and Vice President, The Institute of Marine Engineering, Science and Technology, UK; Fellow, Canadian Academy of Engineering; Offshore Technology Distinguished Achievement Award for Individuals; B.Sc. Naval Architecture, University of Glasgow*

Mr Noble is a naval architect and ocean engineer with a wide range of expertise and experience in the marine and offshore industries. His career has included positions with shipyards, ship and offshore design consultants, offshore and marine research and development companies, and major classification societies, as well as chief naval architect with an international oil company. He currently undertakes consulting and advisory assignments across a broad range of topics relating to ocean engineering.

Mr Noble holds a number of patents and is active on the advisory boards of several universities and institutions.

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## DR ROMAIN DEBARRE

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*PhD French Petroleum Institute & CNRS, MBA HEC Paris, MSc IFP-School*

Dr Debarre is the Managing Director of the Kearney Energy Transition Institute. He brings a combined 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.

Prior to joining Kearney, Dr Debarre was with Schlumberger Business Consulting, where he led the SBC Energy Institute. He previously worked in corporate finance, managed strategy consulting projects in the energy sector in various countries and spent several years in scientific research and development. He is the co-author of several reports on energy technologies and energy transition topics.