

Artificial Intelligence



Our AI journey puts digital intelligence in the hands of Keppelites for greater velocity, efficiency and effectiveness.

Accelerating into Artificial Intelligence

In 2024, our digital transformation expanded into Artificial Intelligence (AI). Starting with investment management, we launched two proprietary Generative AI (GenAI) tools: Alpha AI, our investment analysis companion, and Duet AI, our research companion to accelerate investment processes at Keppel.

We also identified and scoped strategic opportunities to leverage AI across our asset management platform, operating divisions and centralised functions. An example is a 'black swan' detector where we devised a novel failure prediction solution for inherently

robust operations, starting with our data centres.

In tandem with driving AI adoption, we are digitalising the way we work to become a data-led organisation. We continue to build on Keppel Data Exchange, the Company's unified source of information, which enables us to conduct our finance, portfolio management and reporting processes across platforms and divisions efficiently. As a unified and scalable repository for data, Keppel Data Exchange will enable us to better harness AI for seamless data access, analysis and integration across the organisation.

Looking ahead, we will continue to invest in employees' AI-readiness with better training and guidance. To this end, we have implemented our 10 Commandments for Safe AI Exploration to shape our day-to-day workings with AI, emphasising the importance of using only Keppel-approved AI tools to protect proprietary data. As part of our AI initiatives, we aim to provide a secure environment and programmes to encourage employees to learn and experiment with new GenAI technologies like Microsoft Copilot and others in a responsible manner. Our efforts have spurred the development of a broad range of

(In picture: At the 2024 Keppel Technology Advisory Panel conference, Mr Jopy Chiang, Deputy Chief Investment Officer of Keppel, presented Keppel's proprietary GenAI tools: Alpha AI for deal analysis and Duet AI for research.)

use cases and initiatives driven by our business teams to meet their diverse needs.

EXPANDING GLOBAL TECH PARTNERSHIPS

We are collaborating with ecosystem partners, such as leading cloud players, technology companies and startups to rapidly increase the concentration of technological expertise and experience for Keppel.

As part of a global partnership with Amazon Web Services (AWS) to collaborate on data centres, subsea cables and renewable energy, we are also working together to accelerate GenAI innovation across Keppel's operations and drive digital adoption of cloud and AI solutions at our private funds.

We are currently developing the Keppel AI Platform, also known as KAI, in collaboration with AWS. KAI will centrally power both existing and new AI use cases to drive productivity, generate valuable insights as well as foster innovation. KAI will provide an efficient way to initiate at scale, enterprise-grade AI applications, while maintaining high standards of quality and governance.

To keep pace with the rapidly changing frontiers of AI, we are also including other established technology partners and startups in the development of KAI.

A DIGITAL-NATIVE FUTURE

As we accelerate Keppel's growth as a global asset manager and operator, we will continue to harness the cloud and AI to drive efficiencies and enhance our competitive advantage.

We are continually evolving our governance and policies to ensure the ethical use of AI, emphasising human oversight, data privacy and cybersecurity. By expanding our ecosystem of technology partners, Keppel can rapidly enhance our technological capabilities and achieve better returns on investment, as we advance towards a digital-native future.

KTAP 2024 Innovation Day Conference

Alpha AI & Duet AI launch



Keppel's proprietary GenAI tools Alpha AI and Duet AI, unveiled at the Keppel Technology Advisory Panel 2024 conference, were developed for our Fund Management and Investment platforms to augment and support their investment processes. Alpha AI is designed to assist investment managers in their analysis and evaluations of acquisition targets while Duet AI supports the research process to identify people, companies and assets of interest.

The two tools were developed as a pilot across a three-month development sprint led by internal Keppel teams and supported by an ecosystem of technology partners. Both tools were subsequently rolled out to teams of early adopters from our Fund Management and Investment platforms.