

NHG Health and ST Engineering team up to advance healthcare innovations in Singapore

July 12, 2025 | News

NHG Health will trial two smart energy solutions from ST Engineering



NHG Health and ST Engineering have signed a five-year Master Collaboration Agreement (MCA) to co-develop and implement engineering and smart systems to further enhance patient care, optimise health service delivery, and improve the health of the 1.5 million residents across Central and North Singapore that NHG Health oversees.

The C3 (Command, Control and Communication) centre, in collaboration with Synapse, has proven to be a game-changer in orchestrating patient flow and resource management across Tan Tock Seng Hospital (TTSH) and the National Centre for Infectious Diseases (NCID), enhancing operational efficiency and care delivery. Building on this foundation, a next-generation C3 centre, leveraging smarter, more predictive system capabilities will be explored under this MCA.

NHG Health will work with ST Engineering to leverage innovative solutions to optimise manpower scheduling and automate workflows across the cluster to deliver timely and value-based care.

NHG Health will trial two smart energy solutions from ST Engineering. The Airbitat Energy Recovery System, a deep cooling system, is expected to deliver up to 30% energy savings compared to conventional systems, enhancing patient comfort while reducing the facility's energy footprint. NHG Health will also explore the AGIL[®] Smart Energy Building suite of energy optimisation solutions across its facilities to enable centralised carbon tracking and intelligent energy management.

NHG Health and ST Engineering will set up an Engineering Sandbox—a collaborative testbed designed to address patient and operational pain points by fast-tracking the co-development of healthcare solutions with engineers, clinical and operations staff.