

REQUEST FOR PROPOSAL NO: RC25MM02

SUPPLY, INSTALLATION, AND MAINTENANCE OF AN AI-ENABLED, NON-CONTACT FALL PREVENTION AND DETECTION SYSTEM AND PROVISION OF ITS ASSOCIATED SOLUTION FOR REN CI NURSING HOMES

Ren Ci Hospital (RCH) is seeking proposals from qualified and experienced vendors for the supply, installation, and maintenance of an AI-enabled, non-contact fall prevention and detection system and provision of its associated solution for its 3 nursing homes.

The proposed system should **utilise sensor and AI-enabled technologies** and **intelligent alert mechanisms** to predict/detect and notify staff of **potential bed exit events**. Its associated solution must be reliable, **non-intrusive**, and automated.

Vendor are encouraged to propose solutions that offer value-added services in a Nursing home setting. Solutions must be customisable to user needs, able to generate reports, low noise/light impact for resident comfort, and compliance with applicable safety standards. **The aim is to predict/detect bed exits, improve surveillance, while preserving individual privacy.**

Vendors shall deliver a complete, end-to-end system and its associated solution which include hardware, software, licences, installation, configuration, user training, technical support and repair services. The appointed vendor shall be responsible for testing and commissioning the system, as well as analysing data collected during the implementation phase to ensure functionality, accuracy, and performance standards are met.

Nursing Homes	Address	Total No. of Sensor Units*
Ren Ci @ Ang Mo Kio (AMKNH)	10 Ang Mo Kio Ave 8, Singapore 567727	120
Ren Ci @ Bukit Batok Street 52 (BBNH)	31 Bukit Batok St 52, Singapore 659251	65
Ren Ci @ Woodlands (WNH)	17 Woodlands Drive 17, Tower E, #02-01 Singapore 737628	88

** The quantities of sensor units specified in this document are based on current estimates and may be subject to change.*

Vendors who meet the pre-qualification criteria below will be shortlisted to attend the RFP Briefing.

1. Vendor must be able to demonstrate a fully functional version of the proposed system and solution through a live demonstration with at least 90% accuracy during the interview session.
2. Vendor should have successful track records of deploying AI-enabled, non-contact fall prevention and detection systems and solutions in hospitals or nursing homes or demonstrated extensive experience in implementing similar systems and solutions.
3. Vendor shall demonstrate that appropriate cyber security and data protection measures are in place. This may include possession of locally accredited certifications (E.g., CSA Cyber Trustmark for OT/AI Security and IMDA Data Protection Trustmark), adherence to relevant international standards (E.g., ISO/IEC 27001 for information security management and ISO/IEC 27701 for privacy information management), or the presence of a comprehensive cyber security and data protection policy that aligns with the requirements of Singapore's Cybersecurity Act and Personal Data Protection Act (PDPA).

Vendors may email to both Ms Krystal Ng at krystal_ng@renci.org.sg and Mr Jason Chua at jason_chua@renci.org.sg to register your interest with above pre-qualification supporting documents submission. (i.e. year and duration of implementation, client profile, description of project).

Only shortlisted vendor will be invited to the Compulsory RFP Briefing cum Site Show and RFP documents will be given out thereafter.

Registration closing date: 14 May 2025, Wednesday, 12pm.

Please indicate your Registered Company Name, Liaison Person and Contact Details in your email. Any updates and / or changes to this notice will be communicated via email.