

# ntuc

## MAY DAY AWARDS 2025

### MEDAL OF COMMENDATION

#### Johnny Wong Liang Heng

Deputy Chief Executive Officer (Building) & Chief Science & Technology Officer  
Housing & Development Board

*Nominated by the Housing and Development Board Staff Union*

Dr Johnny Wong Liang Heng leads the HDB Building Cluster, which comprises approximately 1,300 staff, providing direction and driving initiatives to develop their capabilities, competencies, and expertise.

He plays a crucial role in ensuring sustainable improvements in HDB's Workplace Safety and Health (WSH) performance at worksites. He spearheaded the use of AI (Video Analytics) and Advanced Precast Technology for construction site safety and productivity in HDB BTO projects and collaborated with the Building and Construction Authority (BCA) on a drone inspection system for building façades to reduce injuries and fatalities from work-at-height situations.

Through effective engagement with contractors, the Workplace Injury Rate (WIR) at worksites is significantly lower than the national standard. In 2023, the WIR for HDB worksites was 182 per 100,000 employed persons, compared to the industry average of 469 per 100,000 workers.

Brother Johnny actively supports activities organised by HDB and the HDB Staff Union (HDBSU). He is a familiar face at "Bringing Cheer", an annual Corporate Social Responsibility (CSR) event jointly organised by HDB and HDBSU. He joins HDBSU leaders and management staff in distributing groceries to households living in rental flats or receiving public assistance.

Brother Johnny is committed to raising the technical capabilities of HDB staff and professionals in the building industry. He also strengthened professional competencies and technical capabilities through the Centre of Design Excellence (CoDE) within the HDB Building and Research Institute. CoDE provides HDB building professionals with hands-on experience for their development and strengthens engineering capabilities, preparing them for professional registration with the Board of Architects and Professional Engineers Board.

Brother Johnny actively uplifts the standards of existing and aspiring professionals in the building industry. As a Member of the Professional Engineers Board since 2018, he has contributed to setting and maintaining high standards for registered professional engineers and advancing the practice of professional engineering in Singapore. As a member of the National University of Singapore's College of Design and Engineering's Industry Advisory Board, he contributes to long-term planning and development in both teaching and research. He advises on continuing education and professional activities to enhance the standards and standing of the civil and environmental engineering profession and participates in reviews of undergraduate and postgraduate programme proposals to ensure alignment with industry job requirements. He is also an Adjunct Professor at the Nanyang Technological University (NTU) where he helps students understand the engineering challenges and innovations in public housing.