

MEDIA RELEASE

NG TENG FONG GENERAL HOSPITAL AND JURONG COMMUNITY HOSPITAL SHOWCASE SUSTAINABILITY IN ACTION AT FIRST CROSS-INDUSTRY FORUM

More than 300 local and international participants come together to accelerate sustainability through cross-sector collaboration, innovation and knowledge exchange

SINGAPORE, 13 AUGUST 2026 — More than 300 participants from healthcare, logistics, infrastructure, energy, pharmaceuticals, academia and government sectors came together today for the **Sustainability Nexus Forum 2026**, the first cross-industry sustainability forum organised by Ng Teng Fong General Hospital (NTFGH) and Jurong Community Hospital (JCH).

The Forum provides a platform for organisations across different sectors to share practical experiences and explore opportunities to work together on climate action and sustainable transformation. NTFGH and JCH are part of the National University Health System (NUHS).

Graced by Guest-of-Honour Dr Janil Puthuchear, Senior Minister of State for Sustainability and the Environment and Senior Minister of State for Education, the Forum reflects the growing focus on climate adaptation in Singapore.

With the Ministry of Sustainability and the Environment designating 2026 as the Year of Climate Adaptation, the national initiative underscores the importance of collaboration across government, businesses and communities to strengthen resilience against the impacts of climate change. The Forum also welcomed international participants who joined virtually, facilitating knowledge exchange and collaboration across borders.

Building Partnerships for Climate Action

Under the theme “**Building Partnerships for Climate Action and Sustainable Transformation**”, the Forum brings together leaders from JTC Corporation, PSA International, SP Group, Zuellig Pharma and NUHS to share practical experiences and lessons from their sustainability efforts.

Highlighting the importance of cross-sector collaboration, **Associate Professor Dan Yock Young, Deputy Chief Executive, NUHS, and Chief Executive Officer, NTFGH & JCH**, said: “No organisation can address these challenges alone. By bringing together leaders from different sectors, we hope to share practical experiences, learn from one another and identify opportunities to work together on solutions that can strengthen sustainability and resilience.”

Discussions at the Forum covered areas including energy efficiency and decarbonisation, climate resilience, sustainable infrastructure, circular resource management, digital transformation and sustainable supply chains.

NTFGH and JCH Earn Singapore's Highest Green Building Distinction

A key milestone highlighted at the Forum is NTFGH's and JCH's recent achievement of the **Building and Construction Authority (BCA) Green Mark 2021 In Operation – Platinum Super Low Energy certification**, a top-tier sustainability certification that recognises strong energy performance and sustainable building operations. Achieved across both hospitals in July 2026, it makes NTFGH and JCH the first integrated healthcare campus in Singapore to attain this distinction.

The certification recognises the campus for achieving at least a 60 per cent improvement in energy efficiency compared to the national baseline. Building on this milestone, NUHS plans to extend Green Mark certification efforts across National University Hospital and Alexandra Hospital to further advance sustainable healthcare infrastructure.

Innovative Solutions for Sustainable Healthcare

Sustainability and infrastructure optimisation initiatives have improved operational efficiency, reduced energy consumption and carbon emissions, and strengthened resilience against rising energy costs.

The Forum highlights several initiatives across NTFGH, JCH and NUHS that integrate sustainability into healthcare operations while maintaining high standards of patient care. (Please refer to **Annex A** for details.)

- **MRI Repurposing Initiative:** In line with circular economy principles, NTFGH and JCH upgraded and repurposed existing MRI scanners, extending their lifespan while delivering faster scans, improved image quality and higher patient throughput. The initiative reduced electronic waste and maximised the value of healthcare resources.
- **Waterless Adult Intensive Care Unit (ICU) Initiative:** Singapore's first Waterless Adult ICU supports point-of-care hand hygiene while reducing water and energy consumption, wastewater generation and carbon emissions. Implemented across more than 40 ICU rooms, the initiative demonstrates how sustainability and infection prevention can go hand in hand.
- **Smart Privacy Glass Project:** Traditional curtains in ICU and isolation rooms have been replaced with Smart Privacy Glass, improving infection prevention and patient privacy while reducing water use, waste generation and chemical consumption associated with curtain cleaning and replacement.
- **LED Lighting Optimisation Programme:** The large-scale replacement of conventional lighting with energy-efficient LED fittings has reduced electricity consumption and carbon emissions, while extending lighting lifespan, reducing electrical waste and lowering maintenance requirements across NUHS facilities.

Underscoring the operational strategy behind these initiatives, **Mr Ng Kian Swan, Chief Operating Officer, Group Facilities Management, Group Security & Group Emergency Planning, NUHS, and Chief Sustainability Officer, NTFGH and JCH**, stated: "Sustainability challenges do not respect organisational or industry boundaries, and neither should the solutions. Through knowledge sharing, innovation and cross-sector collaboration, we can leverage our collective expertise to accelerate climate action, strengthen resilience and create lasting value for our communities."

– End –

Chinese Glossary

National University Health System (NUHS)	国立大学医学组织 (国大医学组织)
Ng Teng Fong General Hospital (NTFGH)	黄廷方综合医院
Jurong Community Hospital (JCH)	裕廊社区医院
A/Prof Dan Yock Young Deputy Chief Executive National University Health System Chief Executive Officer Ng Teng Fong General Hospital and Jurong Community Hospital	陈学扬副教授 副首席执行官 国立大学医学组织 总裁 黄廷方综合医院和裕廊社区医院
Mr Ng Kian Swan Chief Operating Officer Group Facilities Management, Group Security & Group Emergency Planning National University Health System Chair Energy & Water Taskforce National University Health System Chief Sustainability Officer Ng Teng Fong General Hospital and Jurong Community Hospital	黄建川 首席行政总监 集团设施管理、集团安全保卫及集团应 急规划 国大医学组织 主席 水务工作小组 国大医学组织 首席可持续发展官 黄廷方综合医院和裕廊社区医院

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About the National University Health System (NUHS)

The National University Health System (NUHS) aims to transform how illness is prevented and managed by discovering causes of disease, development of more effective treatments through collaborative multidisciplinary research and clinical trials, and creation of better technologies and care delivery systems in partnership with others who share the same values and vision.

Institutions in the NUHS Group include the National University Hospital, Ng Teng Fong General Hospital, Jurong Community Hospital, Alexandra Hospital and the upcoming Tengah General and Community Hospital; three National Specialty Centres – National University Cancer Institute, Singapore (NCIS), National University Heart Centre, Singapore (NUHCS) and National University Centre for Oral Health, Singapore (NUCOHS); the National University Polyclinics (NUP); Jurong Medical Centre; and three NUS health sciences schools – NUS Yong Loo Lin School of Medicine (including the Alice Lee Centre for Nursing Studies), NUS Faculty of Dentistry and NUS Saw Swee Hock School of Public Health.

With member institutions under a common governance structure, NUHS creates synergies for the advancement of health by integrating patient care, health science education and biomedical research. As a Regional Health System, NUHS works closely with health and social care partners across Singapore to develop and implement programmes that contribute to a healthy and engaged population in the Western part of Singapore.

For more information, please visit www.nuhs.edu.sg.

About the Ng Teng Fong General Hospital and Jurong Community Hospital

JurongHealth Campus is a part of the National University Health System (NUHS) group, serving the community in the western region. JurongHealth Campus comprises Ng Teng Fong General Hospital (NTFGH) and Jurong Community Hospital (JCH) which were designed and built together as an integrated healthcare hub, with more than 1,000 beds, to complement each other for better patient care, greater efficiency and convenience.

NTFGH and JCH were envisioned to transform the way healthcare is provided, and together with the National University Hospital, National University Polyclinics, Jurong Medical Centre, family clinics and community partners, to better integrate healthcare services and care processes for the community in the west.

Annex A

Key Sustainable Environmental & Infrastructure Initiatives

Institution	Initiative	Description	Operational & Environmental Benefits
Ng Teng Fong General Hospital (NTFGH)	MRI Repurposing Initiative <i>Completed in 2024</i>	In line with circular economy principles, existing MRI systems have been upgraded and repurposed to extend their operational lifespan and reduce electronic waste. The integration of advanced deep-learning image reconstruction technology enables faster scan times, improved image quality and higher diagnostic performance, enhancing operational efficiency while maximising the value of healthcare resources.	• Cost savings: Upgrading existing MRI systems delivers savings of approximately S\$2.9 million per scanner compared to full replacement. • Improved efficiency: AI-powered image reconstruction reduces scan times by 30-50% while improving image quality and patient throughput. • Reduced disruption: Upgrades require about 10 weeks, compared to approximately four months for a full scanner replacement. • Environmental benefits: Extends equipment lifespan and reduces electronic waste through the repurposing of existing MRI systems.
Ng Teng Fong General Hospital (NTFGH)	Waterless Adult Intensive Care Unit (ICU) <i>Completed in 2025</i>	To strengthen infection prevention, traditional water taps were removed from 44 ICU rooms and replaced with a waterless model. Routine hand hygiene is performed using alcohol-based hand rubs at the point of care, while dedicated handwashing facilities remain available at designated locations for clinically indicated use.	• Infection prevention: Supports infection control standards and reduces the risk of waterborne pathogens. • Water conservation: Saves approximately 140 litres of water per patient-day, translating to about 1.9 million litres of water annually. • Energy efficiency: Reduces energy consumption by approximately 17,700 kWh annually through lower hot water heating and pumping requirements. • Carbon reduction: Avoids approximately 7 tonnes of CO₂e emissions annually. • Wastewater reduction: Reduces wastewater generation by approximately 1.9 million litres annually.

Ng Teng Fong General Hospital (NTFGH)	Smart Privacy Glass Project <i>To be completed in 2026</i>	To strengthen infection prevention, traditional fabric curtains in ICU and Isolation Rooms have been replaced with Smart Privacy Glass. The initiative improves hygiene by eliminating fabric surfaces that can harbour pathogens and reducing reliance on chemical cleaning and disinfection. It also shortens room turnaround times, increasing bed availability by the equivalent of approximately 200 bed-days annually.	• Sustainable design: Replaces resource-intensive fabric curtains with durable, low-maintenance Smart Glass technology. • Waste reduction: Eliminates approximately 3,745 curtain washes and replacements annually, reducing waste generation and disposal. • Water conservation: Saves an estimated 100,000 litres of water annually by avoiding repeated laundering of curtains and reducing detergent use. • Cost savings: Delivers annual cost avoidance of approximately S\$100,000 through reduced manpower, laundry and curtain replacement requirements.
National University Health System (NUHS)	LED Lighting Optimisation Programme <i>To be completed by 2027</i>	This programme supports the systematic replacement of conventional lighting with energy-efficient LED fittings across NUHS facilities. More than 66,800 LED fittings are expected to be installed under the programme, improving energy efficiency, reducing carbon emissions and supporting more sustainable healthcare operations.	• Energy efficiency: Achieves annual energy savings of approximately 3.61 million kWh across NUHS since 2025. The programme expects to reach annual energy savings of approximately 5 million kWh upon full implementation. • Carbon reduction: Reduces carbon emissions by approximately 1,490 tonnes annually across NUHS since 2025 using energy-efficient LED lighting. The programme's steady-state yield is expected to reduce approximately 2,000 tonnes of carbon emissions upon full implementation. • Cost savings: Generates annual cost savings of approximately S\$667,000 across NUHS since 2025, rising to about S\$923,000 when the programme is fully implemented. • Waste reduction: Extends lighting lifespan, reducing electrical waste and maintenance requirements across NUHS facilities.

Annex B

Forum Programme

Time	Activity												
10:00am	Start of Programme Welcome Address by Associate Professor Dan Yock Young, Chief Executive Officer, NTFGH and JCH												
10:10am	Opening Address by GOH Senior Minister, Dr Janil Puthucheary												
10:20am	Forum Presentations <table> <tr> <th>Topic</th><th>Speaker</th></tr> <tr> <td>PSA's Sustainability and Technology Advancement Journey</td><td>Mr Alvin Foo, Head of Group Engineering, Technology and Sustainability, PSA International</td></tr> <tr> <td>JTC's role in supporting a sustainable landscape within the Built Environment sector</td><td>Mr Calvin Chung, Assistant Chief Executive Officer, Engineering and Operations, JTC Corporation</td></tr> <tr> <td>From Ambition to Implementation: Partnering for Sustainable Energy Solutions</td><td>Ms Michelle Lee, Head, Sustainability, SP Group</td></tr> <tr> <td>Building a More Sustainable Supply Chain to Create Better Healthcare Access</td><td>Ms Victoria Herrero, Chief People & Sustainability Officer, Zuellig Pharma</td></tr> <tr> <td>Heal Our Patients, Heal Our Planet</td><td>Mr Ng Kian Swan, Chief Operating Officer, Group Facilities Management, Group Security & Group Emergency Planning, NUHS, and Chief Sustainability Officer, NTFGH and JCH</td></tr> </table>	Topic	Speaker	PSA's Sustainability and Technology Advancement Journey	Mr Alvin Foo, Head of Group Engineering, Technology and Sustainability, PSA International	JTC's role in supporting a sustainable landscape within the Built Environment sector	Mr Calvin Chung, Assistant Chief Executive Officer, Engineering and Operations, JTC Corporation	From Ambition to Implementation: Partnering for Sustainable Energy Solutions	Ms Michelle Lee, Head, Sustainability, SP Group	Building a More Sustainable Supply Chain to Create Better Healthcare Access	Ms Victoria Herrero, Chief People & Sustainability Officer, Zuellig Pharma	Heal Our Patients, Heal Our Planet	Mr Ng Kian Swan, Chief Operating Officer, Group Facilities Management, Group Security & Group Emergency Planning, NUHS, and Chief Sustainability Officer, NTFGH and JCH
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11:15am	Tour of Booths at Auditorium Foyer with Guest-of-Honour												
11:50am	Panel Discussion												
12:10pm	Closing Keynote by Mr Ng Kian Swan, Chief Operating Officer, Group Facilities Management, Group Security & Group Emergency Planning, NUHS, and Chief Sustainability Officer, NTFGH and JCH												
12:15pm	End of Programme Lunch												