Global Alliance of Industries @ NTU

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Vice President (Industry) Office Communication

PARTNERSHIP HIGHLIGHTS



S$15 Million NTU–VFT Joint Lab to Advance Next-Generation Grid Batteries

To advance next-generation energy storage technologies, NTU, through its Energy Research Institute @ NTU (ERI@N), and Singapore energy storage company VFT have launched a S$15 million joint research laboratory to develop safer, longer-lasting and more cost-effective grid batteries. The four-year collaboration will advance vanadium redox flow batteries (VRFBs) for large-scale renewable energy storage, focusing on battery performance, cooling systems, vanadium recovery and recycling, power conversion and AI-enabled monitoring. Building on VFT's origins as an NTU spin-off, the Joint Lab aims to translate research into commercially viable energy storage solutions.

Click HERE for more details.



NTU and Google Deepen AI Partnership

A Memorandum of Understanding (MoU) between NTU Singapore and Google marks an expansion of their partnership to advance AI adoption across education, research and workforce development. The collaboration covers four areas: campus-wide AI integration, Southeast Asian language and sovereign AI model development through AI Singapore, frontier scientific research, and AI safety. Key initiatives include a secure research sandbox on Google Cloud to support scientific discovery and potential collaborations with Google Research, alongside research into post-quantum cryptography, deepfake detection and AI model privacy.

Click HERE for more details.



Advancing AI-Powered 6G Positioning Through Singapore–Sweden Research Collaboration

Bringing together expertise from Singapore and Sweden, NTU, Ericsson and KTH Royal Institute of Technology are collaborating to develop AI-powered 6G positioning technologies for robots, drones and autonomous systems. Supported by Sweden's innovation agency Vinnova, the initiative aims to improve positioning accuracy and reliability where GPS signals are limited. Through its Centre for Advanced Robotics Technology Innovation (CARTIN), NTU will contribute expertise in robotics, sensor fusion, localisation and machine learning, complementing Ericsson's mobile network expertise and KTH's AI capabilities. The collaboration aims to support safer autonomous operations across manufacturing, logistics, healthcare and smart cities.

Click HERE for more details.

ENGAGEMENTS & ACTIVITIES



From Net-Zero Ambition to Industrial Action

NTU hosted a panel discussion bringing together experts from Baker Hughes, Advanced Energy and Decarbonisation Office (AEDO), and Singapore Maritime Institute to explore how research, innovation and cross-sector collaboration can accelerate decarbonisation and the energy transition. The discussion highlighted the importance of industry-driven research, commercially viable and bankable projects, supportive policies and partnerships in scaling technologies. It also explored the interconnected challenges of energy and water sustainability, the role of AI, and developing talent to translate research into real-world impact.

ONGOING GRANTS FOR PUBLIC RESEARCH PERFORMERS IN SINGAPORE

INDUSTRY ALIGNMENT FUND (IAF)

Industry Collaboration Projects (IAF-ICP)

IAF–ICP supports Public Research Performers in strategic R&D collaborations with industry, with the aim of fostering industry-relevant public sector R&D efforts and translating research capabilities into potential economic outcomes for Singapore. Projects are assessed based on their potential industry and economic impact, including innovation outcomes, capability development, ecosystem uplift, and commitment to research and innovation activities in Singapore. Projects are generally supported for up to 36 months, with longer durations considered for selected large-scale initiatives such as Corporate Labs.

Click HERE for more details.

Singapore–Horizon Europe (SG–HE) Complementary Fund

Application Period: Rolling basis until 31 December 2027

Administered by the National Research Foundation (NRF) of Singapore, the Singapore–Horizon Europe (SG–HE) Complementary Fund supports Singapore-based public research institutions and companies participating in Horizon Europe Pillar II collaborative projects. The fund covers five research areas: 1) Health; 2) Civil Security for Society; 3) Digital, Industry and Space; 4) Climate, Energy and Mobility; and 5) Food, Bioeconomy, Natural Resources, Agriculture and Environment. It aims to strengthen Singapore's participation in global research and innovation networks through international collaborations aligned with Singapore's R&D priorities.

Click HERE for more details.

Biomanufacturing Technology and Partnership (BioTAP) Funding Initiative – Grant Call 1

Submission Deadline: 8 January 2027, 05:00 PM (SGT)

A*STAR has launched the Biomanufacturing Technology and Partnership (BioTAP) Funding Initiative under RIE2030 to strengthen Singapore's biopharma manufacturing capabilities through industry-relevant research, technology translation and innovation. Its first grant call, Accelerate Translation & GMP Readiness, supports: 1) Pre-GMP Process Development & Piloting, as well as 2) Chemistry, Manufacturing and Controls (CMC) Know-how and Analytical Capability Development, to advance promising therapeutic assets and biomanufacturing technologies towards GMP manufacturing, clinical development and industry adoption.

Click HERE for more details.

EVENTS

Singapore FinTech Festival 2026

Date & Time: 18 – 20 November 2026
Registration: Click HERE for more details

The Singapore FinTech Festival (SFF) 2026 will bring together policymakers, financial institutions, technology companies, investors and innovators to explore developments shaping the future of finance. The programme will examine how technology, policy and global trends are transforming the financial sector, covering AI, quantum technologies, tokenisation, digital assets, cybersecurity and the future financial workforce. The three-day festival will feature conference sessions, exhibitions, and networking opportunities.

Sustainable Aviation Futures APAC Congress

Date & Time: 23 – 25 November 2026
Registration: Click HERE for more details

The Sustainable Aviation Futures APAC Congress 2026 will bring together policymakers, airlines, fuel producers, technology providers and investors to advance sustainable aviation fuels (SAF) and eFuels across the Asia-Pacific region. The event will explore policy frameworks, emerging technologies, financing and supply chain development, while fostering partnerships to accelerate aviation decarbonisation.













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