

## JOINT MEDIA RELEASE

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### **UK-Singapore research partnership boosts digital and green shipping**

*Imperial College London and the Maritime and Port Authority of Singapore join forces to accelerate the green and digital transition in maritime industry*

Imperial College London, one of the world's top ranked universities, and the Maritime and Port Authority of Singapore (MPA) have signed a memorandum of understanding (MoU) aimed at advancing innovations in zero carbon shipping and achieving net-zero port emissions to support the decarbonisation of the maritime sector.

2. The MoU cements a five-year partnership, which brings together scientists and maritime experts from Imperial College London and Singapore, to develop cutting-edge digital technologies, including smart port systems, and cybersecurity solutions for maritime Internet-of-Things devices, industrial control and operational technology systems.

3. Under the MoU, Imperial College London and MPA will also explore talent development initiatives such as student exchange programmes, industry internships, research, teaching and knowledge exchanges with Singapore's universities.

4. Earlier this year, Imperial College London launched its first overseas research and innovation hub, Imperial Global Singapore, to strengthen UK-Singapore collaboration. The centre, which builds on Imperial College London's longstanding partnership with Nanyang Technological University, Singapore, aims to help scientists translate new scientific breakthroughs and technology to commercial application rapidly.

5. Mr Teo Eng Dih, Chief Executive of MPA said: "Collaboration amongst like-minded partners is necessary if we were to accelerate the transition to a digitalised and green maritime industry. I am confident that our partnership with Imperial College London will create immense opportunities for researchers and students to deliver cutting-edge solutions that enable the transformation of the maritime industry."

6. Professor Hugh Brady, President of Imperial College London, said: “This partnership heralds a significant step towards achieving zero carbon shipping. It will accelerate the development of innovative technologies that will not only help decarbonise the maritime industry but will also create a sustainable and secure future for global shipping. Imperial’s Singapore Hub is a focal point for convening world-leading science and industry to develop solutions to the biggest challenges.”

7. British High Commissioner to Singapore, Nik Mehta, said: “The UK and Singapore are maritime and research hubs, united in our vision for a decarbonised maritime industry. Our breadth of combined technical expertise, exemplified in this collaboration between Imperial College London and the Maritime and Port Authority of Singapore, will bring us closer to this goal. This is a great example of our research and innovation partnership, bolstering ongoing efforts under our UK-Singapore Green Economy Framework to develop the cutting-edge technologies we need to decarbonise the maritime industry.”

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## **About Imperial College London**

We are Imperial – a world-leading university for science, technology, engineering, medicine and business (STEMB), where scientific imagination leads to world-changing impact.

As a global top ten university in London, we use science to try to understand more of the universe and improve the lives of more people in it. Across our nine campuses and throughout our Imperial Global network, our 22,000 students, 8,000 staff, and partners work together on scientific discovery, innovation and entrepreneurship. Their work navigates some of the world’s toughest challenges in global health, climate change, AI, business leadership and more.

Founded in 1907, Imperial’s future builds on a distinguished past, having pioneered penicillin, holography and fibre optics. Today, Imperial combines exceptional teaching, world-class facilities and a habit of interdisciplinary practice to unlock scientific imagination.

### **Imperial in numbers**

**2nd in the world** (QS World University Rankings 2025)

**1st in Europe and the UK** (QS World University Rankings 2025)

**University of the Year** (*Daily Mail* University Guide 2024)

**University of the Year for Graduate Employment** (*The Times* and *Sunday Times* Good University Guide 2024)

**Greater proportion of world-leading research than any other UK university**  
(Research Excellence Framework)

## **Gold Award (Teaching Excellence Framework 2023)**

### **About the Maritime and Port Authority of Singapore (MPA)**

MPA was established on 2 February 1996 with the mission to develop Singapore as a premier global hub port and international maritime centre, and to advance and safeguard Singapore's strategic maritime interests. MPA is the driving force behind Singapore's port and maritime development, taking on the roles of port authority, maritime and port regulator and planner, international maritime centre champion, national maritime representative and a champion of digitalisation and decarbonisation efforts at regional and international fora such as at the International Maritime Organization. MPA partners industry, research community and other agencies to enhance safety, security and environmental protection in our waters, facilitate maritime and port operations and growth, expand the cluster of maritime ancillary services, and develops maritime digitalisation and decarbonisation policies and plans, R&D and manpower development. MPA is responsible for the overall development and growth of the maritime domain and Port of Singapore. In 2023, Singapore's annual vessel arrival tonnage crossed 3 billion Gross Tonnage and remains the world's busiest transshipment hub, with a total container throughput of 39.0 million 20-foot equivalent units (TEUs).

For more information, please visit [www.mpa.gov.sg/](http://www.mpa.gov.sg/)

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