

機電人工智能實驗室科技講座 透過多方協作提升業界水平

E&M AI Lab Tech Talk Enhanced Trade Standards through Collaboration between Stakeholders



機電署署長潘國英先生(左二)和嘉賓在機電人工智能實驗室科技講座上作分享。Director of Electrical and Mechanical Services, Mr Poon Kwok-ying, Raymond (2nd left), and the guests shared their views at the E&M AI Lab Tech Talk.



機電署團隊講解未來在業內實踐與應用最新人工智能技術的可行性。The EMSD team explained the future possibilities of the implementation and application of the latest AI technologies in the trade.

由機電署主辦的機電人工智能實驗室科技講座於2025年3月25日圓滿舉行，活動旨在鼓勵業界發展語義人工智能和應用人工智能代理，從而推動建築工程和智慧建築管理的創新。

機電署在講座上介紹全新的建築機電設施人工智能代理E&M Agent，並即場示範其不同場地的維修保養深度分析和資訊整理等方面的全方位服務。此外，機電署發布兩份人工智能就緒建築資訊實務指南，分別針對數據品質和語義模型，為業界提供實踐意念和有用資訊，促進行業參與和共同發展。各界專家也在活動中討論數碼轉型的挑戰，以及人工智能代理在智慧建築、減碳和自動化方面的潛力。是次活動不僅有助加強持份者之間的創新協作，提升業界水平，更為未來落實更多創新科技(創科)方案奠下基礎，推動營運基金第三個五年策略計劃的進程。

機電署期望透過是次交流，協助業界提升工程和智慧建築管理的能源效益，同時促進自動化和預測性維修保養。機電署一直致力研究機電人工智能應用，並與不同機構舉辦各類大型活動。今年，我們會再度與廣東省科學技術協會合辦「國際建築機電人工智能大挑戰2025」，凝聚人工智能發展力量，推動多方協作，迸發創新意念。

The E&M AI Lab Tech Talk, hosted by the EMSD, was successfully held on 25 March 2025. The event was aimed at encouraging the trade to develop semantic AI and apply Agentic AI, thereby promoting innovation in building works and smart building management.

During the talk, the EMSD introduced the new AI agent for E&M facilities in buildings, the E&M Agent, and presented a live demonstration of its comprehensive services, including in-depth analysis and information consolidation for maintenance at various venues. Furthermore, two practice notes for AI-ready Building Informatics respectively focus on data quality and semantic modelling were released to provide practical insights and useful information for the trade, fostering trade participation and co-development. Experts from various sectors also discussed during the event the challenges of digital transformation and the potential of Agentic AI in smart buildings, decarbonisation and automation. The event not only helped strengthen innovative collaboration among stakeholders and raise trade standards, but also laid the foundation for future implementation of more innovation and technology (I&T) solutions, advancing the progress of the EMSTF's third Five-year Strategic Plan.

It is hoped that this exchange can help the trade improve the energy efficiency of works and smart building management, while promoting automation and predictive maintenance. The EMSD has been committed to researching E&M AI applications, and conducting various large-scale events with different organisations. This year, we will once again co-organise the Global AI Challenge for Building E&M Facilities 2025 with the Guangdong Provincial Association for Science and Technology to gather AI development forces, foster multiparty collaboration and spark innovative ideas.



機電人工智能實驗室是機電署與政府部門/機構、業界、學術界和研發機構合作發展的計劃，旨在有效率地建立合作伙伴關係，為全球專家和業內人士提供交流平台，分享在建築機電設施應用人工智能方面的知識和經驗。如欲了解更多詳情，請瀏覽<https://enmailab.org/>或掃描左方二維碼。

The E&M AI Lab is a programme developed by the EMSD in collaboration with government departments/authorities, the trade, academia and research institutes, aims at efficiently forming partnerships and providing an exchange platform for experts and trade practitioners worldwide to share their knowledge and experience of AI applications in E&M facilities in buildings. For more details, please visit <https://enmailab.org/> or scan the QR code on the left.



請瀏覽<https://globalaichallenge.com/tc/home>或掃描左方二維碼，查閱有關「國際建築機電人工智能大挑戰2025」的資訊。For more information about the Global AI Challenge for Building E&M Facilities 2025, please visit <https://globalaichallenge.com/en/home> or scan the QR code on the left.