

# ELECTRONICS ITM 2025

## Singapore – A Critical Node For Advanced Electronics Manufacturing & Innovation

### A Anchor R&D & manufacturing capabilities from globally leading companies to enhance Singapore's leadership in key areas

- Strengthen Singapore's leadership position for semiconductors, radio-frequency filters and hard disk media
- Create a strong public-private research ecosystem through the Future of Microelectronics, which will focus on developing Singapore's research capabilities in the five key technology verticals of Heterogeneous Integration, Wide Bandgap, mmWave and Beyond, Sensors & Actuators and Edge AI

### B Partner companies, Institutes of Higher Learning (IHLs) & the Singapore Semiconductor Industry Association to strengthen the local talent pipeline for growth areas

- Nurture semiconductor research, engineering, and design talent, with the aim of training 1,000 PhDs over the next 10-years
- Promote continuous re-skilling and job re-design efforts to enable agile deployment of Continuous-Employment Talent (CET)
- Strengthen the Pre-Employment Talent (PET) pipeline for more inflow of young talent

### C Transform Singapore's electronics manufacturing into a low-carbon footprint sector

- Support carbon initiatives to reduce emissions from existing operations, such as the implementation of efficient abatement systems & energy-efficient systems e.g. chillers and cooling towers
- Pilot first-of-its kind innovations with companies to minimise emissions from future operations, such as centralised abatement systems, district cooling and chilled-water-as-a-service
- Facilitate discussions between manufacturers and importers under Singapore's green electricity import roadmap as off-takers