

CompoundTek aims to lead Singapore's growth in Silicon Photonics with membership at LUX Photonics Consortium

Singapore, 5 May 2019 – CompoundTek, a global foundry services leader in emerging Silicon Photonics (SiPh) solutions joins LUX Photonics Consortium, an initiative established by Nanyang Technological University (NTU) and National University of Singapore (NUS) to serve as a catalyst and an industry networking platform “translating cutting-edge research into ground-breaking light-enabled technologies”. Through this collaboration, CompoundTek aims to leverage its pioneering commercialisation capabilities which include 8” SiPh fabrication services on an open platform, proprietary enhanced Process Design Kit (PDK) and process control monitoring structures (PCM) to drive Singapore’s global footprint in niche semiconductor solutions. Combined, these capabilities offer customers mass production volume and fast cycle-time to advance the adoption SiPh technologies in the marketplace.

Supported by the National Research Foundation, Prime Minister’s Office, the consortium boasts of over 45 industry members including Institutes of Higher Learning focusing on photonics research for diverse applications.

Bringing a unique business proposition into the consortium, CompoundTek solutions include world-class commercial foundry capabilities and cutting-edge Silicon Photonics research for real-world solutions in Datacom/Telecom, Artificial Intelligence, Smart Sensors, Bio Medical/Life Science and Car LiDar. Industry analysts believe that the SiPh will see a Target Addressable Market (TAM) over USD\$200 billion dollars by 2025. A key driver to SiPh’s growth is its capabilities in smaller form factor with higher level of integration and lower cost than conventional Indium Phosphide (InP) based photonics or other competing technologies.

Since its launch in 2017, Singapore-based CompoundTek has over 15 global commercial customers and 19 research institutes and universities in various applications such as telecommunications, automotive radar, data communications, bio-sensing, artificial intelligence, quantum computing and smart sensors.

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About CompoundTek Pte Ltd

Founded and supported by industry veterans and technologists, Singapore-based CompoundTek combines world-class commercial foundry with leading silicon photonics (SiPh) research institutes to provide cutting-edge SiPh technologies that enhance foundry services capabilities. As one of the elites offering SiPh solutions internationally, CompoundTek brings to the marketplace revolutionary semiconductor applications designed to meet critical requirements in high bandwidth and high data transfer solutions particularly in emerging connectivity driving Industry 4.0. The company's in-depth know-how includes end-to-end technologies - from proprietary fabrication process expertise to product design support with strategic partners and extended services for end-product manufacturing. CompoundTek's global customers span leading brands and FORTUNE 500 companies in high-growth industries including artificial intelligence, automotive, bio-medical diagnostics, data centre, lidar, smart sensor, telecommunication and quantum optical computing.

Visit <https://compoundtek.com/> for more information.

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