

## **CompoundTek launches Southeast Asia's first state-of-the-art silicon photonics testing services hub in Singapore**

*Firm strengthens capabilities in niche semiconductor technologies, leapfrogging industry's commercialisation of smart city applications*

**Singapore, 28 January 2020** – CompoundTek, a global foundry services leader in emerging silicon photonics (SiPh) solutions announces the launch of its maiden SiPh test facility, believed to be Southeast Asia's first-of-its-kind site offering production and engineering test services that are accessible to commercial industry players. The testing service is independent of CompoundTek's foundry services, enabling non-CompoundTek customers the opportunity to leverage the open-testing platform. Housing SiPh on-wafer testing and cutting-edge equipment, instrument controls and test methodologies, the facility is custom-built by CompoundTek and its partners. The hub caters to the development of solutions that revolutionises data-transmission capabilities sought after in data centres, interconnectivity, Lidar, smart sensors and other high-growth applications poised to see explosive volume production over the next 5 years largely driven by advancements in smart city applications.

The test facility, established at CompoundTek's Jurong East International Business Park office is staffed by a resident SiPh test team, bringing into the technology ecosystem proven talents with international expertise in both manual and automatic silicon photonics testing on either 8" or 12" wafers. The cleanroom is accredited as class 1000/10000 with its equipment designed to achieve fast and reproducible optical coupling, including 6-axis probe-position optimisation and polarisation alignment; wafer probing for conventional DC and RF electrical testing in the optical domain, and is capable of supporting both O and C-band. The facility will additionally enable the testing of electro-optical components up to 67GHz and is ideally suited for electro-optical components for 400Gbit/s or higher.

Outlining the hub's unique offering, CompoundTek's Chief Operating Officer, K.S. Ang, explained, "With added on-wafer level automated SiPh Optical/Electrical/RF testing facility, customers will be able to limit packaging costs to good dies (Known-Good-Die) only and avoid module packaging level testing turn-around time losses. This complements our rapidly growing solutions portfolio designed to drive mass production volume with fast cycle-time. Offered alongside our world-class commercial foundry capabilities, we are able to accelerate customers' time-to-market to subsequently meet their commercialisation goals.

We are excited to be able to expand our footprint to better support customers regionally and internationally with this facility."

Since its launch in 2017, Singapore-based CompoundTek has 19 global commercial customers and 21 research institutes and universities in various applications such as telecommunications, automotive radar, data communications, bio-sensing, artificial intelligence, quantum computing and smart sensors. The company will be showcasing its cutting-edge solutions at the Optical Fiber Communication Conference and Exhibition 2020 (OFC 2020), booth 6206, San Diego Convention Centre.

Parties interested in learning more about the facility and its testing capabilities or its upcoming exhibit at OFC, can contact CompoundTek's office or through email at [enquiries@compoundtek.com](mailto:enquiries@compoundtek.com)

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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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