

**LUX Photonics Consortium** is an initiative by Nanyang Technological University (NTU) and National University of Singapore (NUS); and is supported by the National Research Foundation (NRF), Prime Minister's Office, Singapore. Our vision is to serve as a catalyst and networking platform to translate cutting-edge research in photonics into diverse applications underpinned by the value chain created. We aim to create synergies among the researchers in universities and the industry in developing ground breaking applications. Companies join from industry will benefit from the critical mass of expertise and research from the institutions, grants for R&D projects and publicly funded intellectual properties, etc. For more information, visit us at <a href="https://www.luxphotonicsconsortium-sg.org">www.luxphotonicsconsortium-sg.org</a>

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#### **LUX Photonics Consortium Members Directory**

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## ACCION

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Advinno Technologies is an Independent Electronics Design House (IDH) incorporated in Singapore in 2002. The business focuses on design, engineering, manufacturing and logistics of semiconductors, electronic systems and turnkey products. The team's design experience spans AI Deep learning, Silicon Photonics, MEMS, ASIC, FPGA, Analog Mixed Signal, RF, PCB, Embedded systems and System Integration. Advinno also provide rapid prototyping services, mass-production and complete turnkey services. Advinno design and manufacture innovative AI and Internet of Things (iOT) products using emerging technologies such as 5G, NB-IOT, Sigfox, Lora, Wi-Fi, Bluetooth Smart (BLE), ZigBee and Sensor Mesh Network to enable Smart Cities and iOT applications. <a href="https://www.advinno.com">www.advinno.com</a>

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AMF is a commercial pure-play foundry based in Singapore and is a spin-off of the Institute of Microelectronics, an A\*STAR institute. We provide innovative solutions for advanced applications with a strong focus on Si Photonics. We offer customized manufacturing services with competitive cycle times based on our unique platforms. These services range from MPW to prototyping and large volume manufacturing services for product deployment. Our multidisciplinary team of Optical and Semiconductor experts will work closely with your teams to ensure customer satisfaction through the development of solutions tailored to your needs. <a href="https://www.advmf.com">www.advmf.com</a>

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**Coherent Singapore** is "ASIA Manufacturing Centre" of Coherent, Inc, with headquarters in the heart of Silicon Valley, California, and offices spanning the globe. Coherent is a world leading supplier of laser and photonics-based solutions to a broad range of commercial and scientific research customers. Coherent designs, manufactures and markets lasers, laser-based systems, precision optics and related accessories for a diverse group of customers. <a href="https://www.coherent.com">www.coherent.com</a>

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CompoundTek 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. www.compoundtek.com

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### **CYBERNET**

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**Fingate Technologies** is an integrated photonics fabless technology company, whose mission is to develop highly integrated optical systems, enabling widespread applications including environmental monitoring and healthcare, etc. <a href="https://www.fingatetech.com">www.fingatetech.com</a>

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Hylax Technology develops laser equipment for PCB laser depaneling, precision laser marking, semiconductor laser marking, wafer laser marking, laser trimming on flat panel display, laser welding, pico-second UV laser applications and many others. We integrate lasers from many OEMs, design our own optics beam delivery subsystem and package with material handling and vision imaging system into standard equipment for customers. We have many ingenious and sophisticated solutions to assist manufacturers to enhance and improve their process capabilities. <a href="https://www.hylax.com">www.hylax.com</a>

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Industrial Vision Technology (S) Pte Ltd (Visiontec) was spun off from the Panasonic group in December 2003. It is a system integrator & solution provide. Visiontec's expertise is in spectral tunable or broadband spectral lighting source such as solar simulator, Light source characterization system, Spectral Response & QE measurement system of Sensor, Vision Defect Inspection System for the inspection of SiC substrate & Epi wafer, GaN and GaAs Epi Wafer. These technologies & products serve the semiconductor, Photovoltaic Solar Energy and Photonics related industries. <a href="https://www.visiontec.com.sg">www.visiontec.com.sg</a>

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Innowave Tech Pte Ltd. provides a full suite of customised services in terms of industry digitalisation and intelligence transformation for all our customers. These encompass productivity, quality, as well as tool efficiency. Our services include i4.0 Set-Up with Smart Sensors, Computer Vision for real-time defect detection and classification, Automated Inspection Stations (Macro/Micro), Assembly Line Automation, Customised AGVs and Smart Stockers, as well as Data Ecosystem and Integration. With our team of experts and technology leaders of AI and intelligent automation from the semiconductor industry, from consultancy services through to implementing physical solutions, we are there for our customers all the way. <a href="https://www.innowave.com.sg">www.innowave.com.sg</a>

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JMVS was established in 2004 as a machine vision specialist in Singapore. Carrying over 20 renowned brands globally, we distribution industrial components such as cameras, lenses, sensors, and frame grabbers etc. Being customer centric, our mission includes providing solutions for customers with challenging product inspection requirements. Our differentiation strategy is geared towards providing value-added services such as consultation, customization, software integration, vision solution and system to our clients. We always try our best to satisfy our customers professionally as our aim is to establish partnerships with core suppliers to achieve high standards and deliver enriching services to our clients. www.jm-vistec.com

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## Leuze

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**LightHaus Photonics** Pte. Ltd. is a high-tech company registered in Singapore in 2011. Its facility resides in Enterprise One, 1 Kaki Bukit Road, #03-09. It focuses on the development of advanced photonics/optical imaging system. LightHaus has many indigenous capabilities related to photonics, optical design and quick prototyping. Most of developed photonics imaging systems are first-of-a kind systems. <a href="https://www.lighthaus.com.sg">www.lighthaus.com.sg</a>

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