



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. Its 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. It will create synergy among the researchers 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. www.luxphotonicsconsortium-sg.org

LUX Photonics Consortium Members

The logo for AceXon features the word "AceXon" in a stylized, outlined font. The "X" is particularly prominent, with a large, bold, black outline. The text is positioned above a horizontal line that has a slight shadow effect.

Acexon Technologies Pte Ltd was established in Singapore since 2004 as a regional distributor specialising in the field of Laser, Optics, Electro-optics and Photonics, serving several countries in South East Asia region. Acexon works with reputable suppliers to offer a full range of lasers, optics, measurement products, positioning products, laser safety products, and other laser-related equipment. www.acexontech.com



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 ASIC, FPGA, Analog, Mixed Signal, RF, IPcore, PCB, Embedded systems and Software. Advinno also assists customers with rapid prototyping services, mass-production and complete turnkey services. Advinno design and manufacture innovative Internet of Things (IoT) products using emerging technologies such as LTE, Wi-Fi, Bluetooth Smart (BLE), ZigBee and Sensor Mesh Network to enable Smart Cities and M2M applications. www.advinno.com



We are a company of micro-electronic technologists that are focused on expanding the experiences of photonics, thermal sensing. We want to show how expanding spectral boundaries can be achieved from broadband sources and tuneable laser source. New ways that will stimulate both knowledge and expertise in optical multiplexing methods and solutions. Improved physical capabilities of the lasers: Improved intensity and range. Improved overall system activity and performance level.

anexus

Make It Happen

aNexus is a Singapore company and grown quickly to a leading supplier and service provider of major photonics R&D and production equipment including MOCVD, plasma, rare material sources, coating, printing, measurement and characterisation. With more than 2 decades of experience and proven track records, aNexus provides the most competitive and innovative solutions with focus to grow key competencies in support of new technologies. www.anexuscop.com



ATRYZ (SINGAPORE) PTE LTD's launched its operation in Singapore in 2012, a company wholly owned by ATRYZ Yodogawa Co., Ltd in Japan which is established in 1951. A Japanese -Shosha- which is not just simply doing trading, but also actively involved in R&D, Design / Manufacturing / Distributions. The company has been concentrating in Automotive / Electronics industries. With its strong network with Japanese reputable Clientele, the company is constantly engaging with new technology development with a final goal to deliver a right solution to its Client. www.atryz.co.jp



Axend Pte Ltd is a Distributor / Representative for various suppliers in the Electronics Process Assembly Industry. We work throughout the SE Asia region including Singapore, Malaysia, Thailand, Philippines, and Indonesia. Axend is designed around a philosophy of not only providing a product, but providing a complete process solution wherever possible. www.axend.biz/



AXISTEC

Axis-Tec was formed in 2004, we serve small to large organization as system integrator and fixture design, now we have grown to become a complete solution provider for industrial automation particularly in product handling, assembly and test. www.axis-tec.com.sg



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. www.coherent.com



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/



CYBERNET SYSTEMS TAIWAN has long been dedicated to providing advanced system development and integrated solutions to support local companies and government lab projects. Inheriting the experiences from CYBERNET SYSTEMS located in Tokyo Japan, we have successfully implemented the cutting-edge engineering development environment, including software such as CODE V, LightTools, RSoft, and ANSYS, to the customers in automotive, optics, new energy, electro-mechanics and commercial equipment industries. We are confident to provide customers a complete solution from design to mass production, helping you to solve the most difficult challenges that you may encounter when dealing with complex multi-domain systems analysis and simulation with one try. www.cybernet-ap.com



Denselight Semiconductors is a Singapore-based division of POET (Planar Opto-Electronic Technology) Technologies Inc. We design, manufacture, and deliver leading photonic optical light source products and solutions to the communications, medical, instrumentations, industrial, defense, and security industries. DenseLight processes Indium Phosphide (InP) and Gallium Arsenide (GaAs) based optoelectronic devices and photonic integrated circuits through its in-house wafer fabrication and assembly & test facilities. The company is recognized worldwide for its technological innovations in high performance semiconductor infrared superluminescent light sources and lasers, with a proven track record in deployed applications. www.poet-technologies.com



As Singapore's one-and-only defence R&D organisation, **DSO National Laboratories**, or DSO in short, creates the critical edge in defence technology to force multiply the Singapore Armed Forces' (SAF) combat capabilities and render potential threats irrelevant. With more than 1,300 defence scientists and engineers who work seamlessly across disciplines spanning from underwater to cyberspace, DSO is also the oldest and largest R&D institute in Singapore. www.dso.org.sg



EiNST Technology is a technology solution provider specializing in BioPhotonics and BioMedical for both scientific and industrial markets in Asia. We provide sales and technical support in Microscopy, Spectroscopy, Cameras, Imaging and many others for different industries. We also offers engineering services covering design and implementation of complete photonics system or customized opto-mechanical modules that can be integrated into existing microscopy and imaging systems. For more information, please visit our website at www.einstinc.com



Eureka Robotics is a spin-off company from NTU, supported by the Singapore-MIT Alliance for Research and Technology (SMART). Our award-winning technology is based on the cutting-edge research in Robotics and AI conducted at CRI Group, NTU Singapore.

We deliver automation solutions that are fast, precise, and easy-to-use. Applications include (but are not limited to): Precision handling, Assembly, Inspection, Drilling. www.eurekarobotics.sg/



GDS Instruments Pte Ltd is solely a locally-owned business entity in Singapore. The main activities are in sales, marketing, and R&D in gas detection and its related sensor development. The company has more than 20 years of gas detection experience. Under various Spring Grant Schemes, our R&D team has successfully developed the world's first fixed PID detector in 2010. Our PID invention has international patents for its unique technology, and has currently, sold more than 3,000 units to many countries worldwide. Other gas sensor technologies that we are pursuing, includes Nanowire sensor, Laser, QCL, FTIR, and Imaging sensor for gas detection. www.gds-instruments.com



GLOBALFOUNDRIES is the world's first full-service semiconductor foundry with a truly global footprint. Launched in March 2009, the company has quickly achieved scale as one of the largest foundries in the world, providing a unique combination of advanced technology and manufacturing to more than 250 customers. With operations in Singapore, Germany and the United States, GLOBALFOUNDRIES is the only foundry that offers the flexibility and security of manufacturing centers spanning three continents. The company's 300mm fabs and 200mm fabs provide the full range of process technologies from mainstream to the leading edge. www.globalfoundries.com



Hakuto Singapore Pte Ltd is a subsidiary of Hakuto Co., Ltd (Japan), a Public Listed Company in Tokyo Stock Exchange (#7433). We have more than 40 years' solid experience in electronics and photonic field since 1977. As a renowned distributor in the Photonics industry, our primary focus is to offer a spectrum of quality products ranging from: PMTs, UV-VIS-IR Light Sources & Photodiodes, LEDs, Image Sensors, Mini-Spectrometers, X-ray Sensors, Laser Diodes, Quantum Cascade Lasers, Optical Fiber probe, Cuvette, Optical Mechanical components, Microchannel Plates, X-ray Products, Imaging & Measurement Instruments for diverse fields such as Biological, Medical, Pharmaceutical, Spectroscopy, Semiconductor Inspection and Industry, etc. www.hakuto.com.sg



HoloBright (S) Private Limited is a new high-tech start-up company registered in Singapore. The company was founded by some researchers in opto-mechatronics area. HoloBright focuses on opto-mechatronics systems based on laser interferometry and advanced signal processing techniques. The current systems are single-point, multi-point and long distance optical vibration measurement system. The company also has wide technical expertise to provide customized solutions for engineering measurement applications. www.holobright.com/



HUAWEI

Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. With integrated solutions across four key domains – telecom networks, IT, smart devices, and cloud services – we are committed to bringing digital to every person, home and organization for a fully connected, intelligent world. Huawei's end-to-end portfolio of products, solutions and services are both competitive and secure. Through open collaboration with ecosystem partners, we create lasting value for our customers, working to empower people, enrich home life, and inspire innovation in organizations of all shapes and sizes. www.huawei.com



Hylax Technology develops laser equipment for PCB laser dpaneling, 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. www.hylax.com



II-VI Incorporated, a global leader in engineered materials and optoelectronic components, is a vertically integrated manufacturing company that develops innovative products for diversified applications in the industrial, optical communications, military, life sciences, semiconductor equipment, and consumer markets. Headquartered in Saxonburg, Pennsylvania, with research and development, manufacturing, sales, service, and distribution facilities worldwide, the Company produces a wide variety of application specific photonic and electronic materials and components, and deploys them in various forms including integrated with advanced software to enable our customers' success. www.ii-vi.com



Based in Singapore, **iLASER PTE. LTD.** Is a solution provider company focusing on Photonics Technologies and Digital Fabrication Solutions for Research and Industrial applications. We aim to provide excellent products that drive the vision and infinite possibility. Our commitment to service and support, so to achieve true customer satisfaction. We offer different types of laser processing machine such as laser marking, engraving, cutting, welding, customized systems, and components. For R&D side, we offer different types of laser source, opto-mechanics, measurement instrument. Our Sister Company E5dao Pte Ltd is focused on homeland security solution such as Radar Solution, Fiber Vibration Sensor , Unman Ship, etc. www.ilasersg.com



Jasper Display Corp.

Jasper Display Corp. started in 2010, is a leading pioneer and dedicated to the design, development and fielding of innovative liquid crystal on silicon (LCOS) spatial light modulators (SLM), and has successfully developed and brought several innovative products with high resolution to the market, like Microdisplay, driver IC, SLM SDK and EDK for education. JDC is among the first to introduce electro-optics platform concept to industries and also provides a mature electro-optics platform to industries for developing innovative technology. www.jasperdisplay.com



KLA-Tencor Corporation, a leading provider of process control and yield management solutions, partners with customers around the world to develop state-of-the-art inspection and metrology technologies. These technologies serve the semiconductor and other related nanoelectronics industries. With a portfolio of industry standard products and a team of world-class engineers and scientists, the company has created superior solutions for its customers for 40 years. Headquartered in Milpitas, Calif., KLA-Tencor has dedicated customer operations and service centers around the world. www.kla-tencor.com



LightHaus Photonics Pte. Ltd is a new high-tech start-up registered in Singapore in 2011. It is a 100% Singaporean owned company with 100% Singaporean staff strength. Its facility resides in Enterprise One, 1 Kaki Bukit Road, #03-09. It focuses on the development of advanced photonics/optronics imaging system. Most of developed photonics imaging systems are first-of-a kind systems. www.lighthaus.com.sg



Meridian Innovation Pte Ltd (MIPL) is a fabless semiconductor startup, incorporated in Singapore. MIPL is addressing the commercial market of Thermal Imaging, which needs high volume, low cost and low to medium resolution thermal sensors to enable safer and better living. With in depth knowledge of Far East suppliers and partners, Meridian Innovation can scale rapidly to meet customers' needs for large volume projects. MIPL is well funded and staffed by several seasoned Executives and highly qualified technical team. The technical team has a combined experience of over 30 years in MEMS sensors and the Executive team has over 70 years of combined experience in high tech companies. www.meridianinno.com



Moveon Technologies is a leading global supplier of polymer lenses. Its services include simulation, design, prototyping and mass production of optical components and lens systems. For the mass production of micro arrays and DOE's we are utilizing automated Wafer-Level-Optic-Equipment with high accuracy alignment. For Micro- and Nanooptics applications, we operate a high precision 3D printing system allowing fast turnaround times for functional samples like DOE's. Moveon Technologies serve the automotive, communication, medical and sensor industry. www.moveon.bz



Nanoveu is a leading provider of thin film based nano structures that shape our vision when viewed through high-resolution smart devices. Using a patent pending process of manufacturing, Nanoveu's first breakthrough product, EyeFly3D, delivers distortion free 2D/3D video, photos and games on smartphones and tablets. www.nanoveu.com



OptoSigma Southeast Asia Pte Ltd is your global supplier of quality Laser Components and Application Systems. "OptoSigma" is our global brand which aims to provide quality solutions and contributes to our society with "Light". Our Laser Components (Optics, Opto-mechanics and Motion Control) are built from the superior manufacturing technique and vast experience of laser applications. Our wide range of Application Systems has been offered to R&D and applications of measurement, inspection, evaluation & analysis in semiconductor, FPD & other industries. SIGMAKOKI has developed and expanded our state-of-the art facilities that consistently produces high-quality, high value-added products to support your current and future business growth. www.optosigma-sea.com/



Palomar Technologies is the global leader of automated micro-optoelectronic assembly machines and related contract assembly services. Palomar's specialization is the design and manufacture of automated precision die attach, wire bonding and vacuum reflow machines and processes. Markets served include RF Wireless, Optoelectronic and Photonic, and Defense device technologies. Headquartered in Carlsbad, CA, USA with subsidiaries in Singapore and Germany, direct sales and service is provided in more than 25 countries. Through delivery of turnkey bonding equipment and rapid prototyping and qualification of new devices, the Palomar total solution enables our customers a seamless transition from concept to production in a competitive time-to-market framework. www.palomartechnologies.com



Phaos Technology Pte Ltd is a deep-tech startup based in Singapore, focusing on technical development of advanced optical instrumentation technologies. Spinning off from National University of Singapore, Professor Hong Minghui and his team has a vision to push these disruptive optical technologies beyond research industry, and into mass consumer market for every day's use. The team members dedicate themselves to the vision by making these delicate products technically better, more fool-proof and cost effective. Current products of the company include a super-resolution optical microscope, a miniaturized Raman spectrometer, a laser cleaning machine and an anti-counterfeiting process technology. www.phaos.com.sg/



Founded in year 2015 as a new technology and manufacturing venture, **Photizo** integrates the most advanced technologies in developing smart lighting systems. Our innovations in the field of lighting technology focus on people and their needs – Human Centric Lightings. Research and development is concentrated on sensor data analytics, digitalisation, intelligent controls, safety, security and the impact of light on humans. As smart cities around the world become a reality, Photizo anchors itself at the heart providing IoT infrastructure and smart lighting solutions to support and sustain the implementation. www.photizo.global



PI (Physik Instrumente) Well-known for the high quality of its products, the PI Group is one of the leading players in the global market for precision positioning technology for many years. PI has been developing and manufacturing standard and OEM products with piezo or motor drives for more than 40 years. In addition to four locations in Germany, the PI Group is represented internationally by fifteen sales and service subsidiaries. www.pi-singapore.sg



PLC Industries Pte Ltd (referred to as PLC) is a local SME with businesses that encompass the reliable and cost effective service provision in precision engineering of photonics, imaging, lasers and defense equipment such as those for industrial inspection, sensing and vision management. Their businesses was established and incorporated in 1995, Mr Esmond Lim, its founder is also the current CEO. PLC Industries is an ISO 9001: 2015 certified company that earned its reputation from being a reliable and cost effective service provider in precision engineering. www.plc.com.sg



Precision Laser Solutions Pte Ltd is a high-tech enterprise incorporated in Singapore. The company has developed high precision laser micro-processing automation equipment, turn-key laser remanufacturing equipment, multi-axis robotic automation flexible production lines, and automatic quality control and vision inspection equipment for high-end industrial applications. Some of the technologies developed have been patented in various countries and regions. The company has successfully developed precision laser and automation equipment for research institutes, universities, and top multinational companies. The industrial sectors it has served include hard disk industry, biomedical industry, aerospace industry, as well as traditional manufacturing industry. www.precisionlasersolutions.com



量子化学科技(新加坡)有限公司
Quantum Chemical Technologies (S'pore) Pte Ltd

Quantum Chemical Technologies (S) Pte Ltd is a subsidiary of the Singapore Asahi Chemical & Solder Industries Pte Ltd. Singapore Asahi Chemical & Solder Industries Pte Ltd ("the Company") is a privately held company founded in Singapore in 1977 to carry on the business as a manufacturer and distributor of an extensive range of high quality solder products and specialty chemicals for the consumer electronics, PCB, semi-conductor, computer, telecommunication, medical, automobile, and aerospace industries. www.asahisolder.com



Shimadzu Asia Pacific is a subsidiary of Shimadzu Corporation, manufacturer of both analytical and medical instruments, founded in 1875 in Kyoto, Japan. Established in 1989 in Singapore as a regional headquarter, we provide sales, marketing and technical support, application development, research and development facilities across a wide range of industries. We work closely with a selected network of local distributors in 14 countries including, Bangladesh, Brunei, Cambodia, India, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand and Vietnam. One of Shimadzu's technologies had won the Nobel Prize in Chemistry 2002 by Koichi Tanaka. www.shimadzu.com.sg

SICK

Sensor Intelligence.

In striving to forge a strong presence in the economically vibrant Asia Pacific region, **SICK AG** established a Regional Product Center within Asia in 2009 to better support the needs for smart sensor solutions from customers in the region. Utilizing the concept of "Region for Region", we develop and manufacture sensors using local resources and material from within the region to generate optimal value for SICK Regional Product Center. Consisting of a R&D Center in Singapore and a Manufacturing Plant in Johor, Malaysia, our Regional Product Center focuses on developing new innovative sensors which provide ingenious solutions to solve automation problem our customers face. www.sick.com

SILTERRA

Silterra Malaysia is a 200mm semiconductor wafer foundry offering a full range of process technologies covering our core business in CMOS technologies (Advanced Logic, RFCMOS, Mixed Signal and High Voltage) to leading edge differentiated technologies in MEMS, Silicon Photonics, BCD, Power MOSFETs and Bio-photonics. SilTerra's wafer fab in Kulim Hi-Tech Park has a design capacity of 40,000 eight-inch wafers per month, with fabrication capabilities down to 90nm feature size. We are continuously innovating and pushing boundaries in semiconductor wafer processing to support our customers in developing leading edge semiconductor solutions that will transform the world. Silterra is proudly owned by Khazanah Nasional Berhad, the investment holding arm of the Government of Malaysia. www.silterra.com

Sintec Optronics

Sintec Optronics Pte Ltd is a leading supplier and manufacturer of a wide range of photonics products such as lasers, laser parts, laser machines and relevant accessories. Sintec is a specialized manufacturer and supplier for laser sources such as CO2 laser, green laser, fiber laser, laser diode, DPSS laser & ultrafast pulse laser. Sintec also specialized for laser parts and components such as AO & EO Q-switch & driver, AOM, AO deflector & frequency shifter, laser lamp (arc lamp and flashlamp), CW & pulsed laser power supply (lamp driver), Nd:YAG rod, Nd:YVO4, KTP & BBO, beam expander, f-theta lens, focusing lens, dual-focus lens, mirror and mirror mount, output coupler, laser powermeter, laser beam analyser & profiler, laser diode, diode driver, diode pump module, CNC control software, laser marking head & software, green laser pointer & module, pump chamber, lamp-pumped cavity, ceramic reflector, fiber & fiber coupler. Sintec manufacture industrial machine like laser marking machine, laser cutting & laser welding machine. www.sintecoptronics.com

STAR Technologies

STAR Technologies is one of leading test solution provider in semiconductor industry. Specialized in intellectual properties, software, test equipment and services. Our expertise extends to silicon photonic test, parametric electrical test (E-test), wafer-level and package-level reliability (WLR & PLR), mixed signal automatic test equipment (ATE), assembly and packaging services, WAT/wafer sort test probe cards, load boards, burn-in board and other consumables. Established in August 2000, STAR now is based in Hsinchu, Taiwan with offices in U.S.A, Japan, Singapore, South Korea, China and India. www.star-quest.com



ST Electronics is a wholly-owned subsidiary of Singapore Technologies Engineering Ltd, one of the largest public-listed companies on the Singapore Exchange. ST Electronics has more than 40 years of experience in providing Intelligent Transportation systems, Satellite and broadband communications, and Information Communications Technologies (ICT) solutions to governments and commercial enterprises worldwide. Our operations span the globe with offices in Africa, China, Europe, India, Latin America, North America, Southeast Asia and the Middle East. www.stengg.com/en/electronics



STELOP, your SMART EO applications partner, with more than 20 years of experience in Electro Optics, combines advance research in thermal imaging, optronics, lasers & pointing systems, realtime video analytics, ruggedisation and stabilisation to design our own comprehensive suite of SMART EO Products that integrate seamlessly with open architectures to create SMART EO Applications for our customers. www.stelop.com

TECHNOLITE

Technolite is an architectural lighting specialist recognised for EMPOWERING designers with an extensive range of cutting edge luminaires from the world's best brands. Since its inception in 1991, we have grown to become a leader in the lighting industry today. We have now a team of passionate lighting people, working very closely with renowned manufacturers, architects, lighting designers as well as developers across the world to bring a new dimension in lighting experiences. At Technolite, quality is the common and only standard preached and practiced. We strive for continuous quality improvement and seek to exceed customers' expectations. It is our goal to strengthen our position in the global lighting market by keeping ourselves abreast of the latest technology. www.technolite.global



The Freyr Group is a Singaporean start-up working with Singaporean, European, and American institutions and businesses to introduce disruptive new technology in the solar energy space. Our unique approach combines existing proven technologies with new thinking on materials, function, and overall system design. The Freyr Group's core efforts involve its introduction of a new type of Quantum Luminescent Solar Concentrator system called SolarWave. SolarWave is a transparent QLSC thin-film laminate for glass, metal and composite substrates. SolarWave's photon harvest, or Raw Solar, can be aggregated, exported, and distributed via fibre for energy conversion and/or mixed use applications like indoor farming. SolarWave's PV material is housed in a removable Solar Media Card so its overall efficiency is upgradable over time. These innovations are driven by The Freyr Group's singular goal of creating technologies that invisibly & seamlessly integrate solar into the things of our world. Our goal is in support of our long term world view for solar energy which is simple - Collect it all. www.thefreyrgroup.com



TRANSCESTIAL

Transcelestial is developing a wireless communication network that is 10x faster than anything to come before. This is achieved by harnessing light to transfer & relay data at up to 100 Gbps within a network. Currently, Transcelestial is using an on-ground version of this laser communication technology to provide state-of-the-art, fiber-like ultra-high bandwidth wireless backhaul to telecoms and enterprises. This comes with zero spectrum costs and rapid deployment timelines in a small size, weight and power package. In the next 3 years, Transcelestial will develop a constellation of nano satellites for ground, satellite and deep space applications. Transcelestial has been extensively covered in the press - Inc Magazine, Tech in Asia, Asian Scientist, Straits Times, Edge Markets, Table!, SGIInnovate, MIT EmTech Talk 2017 & e27. www.transcelestial.com

ULVAC

ULVAC, Inc. (Headquarter located in Chigasaki, Kanagawa, Japan) is a global leader with the most comprehensive portfolio of vacuum technologies in the world. Founded in 1952 and has contributed in development of multiple industries such as electronic devices, semi-conductors, flat panel display, smart phones, solar cells, pharmaceuticals, automobiles, foods and general industrial applications, providing vacuum solutions with our advanced equipment, materials, analytic evaluations, components, and other various services. We are devoted to the evolution and innovation of vacuum technologies that are essential to all industries and culture by providing the best solutions to our customers in order to make a difference in the lives of every person. Our goal is to develop enduring and positive relationship with our customers. With over 60 years of leading vacuum technologies experience supported by our global operations and service network with over 50 group companies around the world, ULVAC has been continuously developing manufacturing solutions. www.ulvac.co.jp/en/



Wavelength Opto-Electronic (S) Pte Ltd (WOE) is your one-stop centre, strategic partner and collaborator for Photonics since 2002. We have a strong R&D team who specialize in design and customization of optics related solutions for customers. We have capability to provide a complete supply chain from raw material, machining, coating, inspection up to delivery to customer destination worldwide. By adding our knowledge and experience in distribution products over the years, we are able to provide a complete solution, by combining our optics products and distribution products to meet the customer requirements and specifications. www.wavelength-oe.com



WEO Corporation is a manufacturer of High Precision Optical components and Opto-Mechanical assemblies with Head Office in Singapore. Our Business covers a wide range of optics and optical for industries used, including scientific instrumentation, medical devices and optical imaging products. Our fully own plant is ISO9001 certified, can fabricate a wide range of Spherical, Flats, Cylindrical with coated surfaces are built into full assembled Objective. Equipped with efficient production machineries and metrology equipment, WEO is capable of supporting customers from the stage of prototyping, qualifying to volume production. We aim to provide quality product with timely, accurate and customer focused support. www.weocorp.com