

APE | Asia
Photonics
Expo

APE 2026

ASIA PHOTONICS EXPO

4 - 6 February 2026

Sands Expo & Convention Centre (Marina Bay Sands) L1

15,000m² Exhibition Space | 400+ Exhibitors | 6,000+ Visitors

Held in:



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#APE2026    

Asia Photonics Expo 2026

Bridging Photonics Opportunities and Innovation in Asia

Based in Singapore, a global trade and technology hub, the Asia Photonics Expo (APE 2026) is Asia's premier platform for photonics innovation. Recognised as the region's leading exhibition, APE 2026 unlocks unparalleled opportunities to explore and harness the vast potential of Asia's booming photonics markets. The expo features the latest technologies and emerging applications across the entire photonics value chain—optical communication, optics, semiconductors, quantum, lasers, sensing, displays, and infrared. For industry professionals, APE serves as a one-stop platform to discover new products, advanced technologies, and evolving market trends.

In 2026, APE will debut a dedicated Semiconductor Pavilion, showcasing cutting-edge solutions across the entire semiconductor value chain—from materials, equipment, manufacturing, chips and chip design to advanced packaging, etc. The pavilion aims to foster synergistic growth between photonics and semiconductor industries. This strategic integration will enable cross-technology collaborations, highlight emerging applications, and create new opportunities for global professionals to connect, innovate, and expand in these rapidly evolving sectors. Join us at the Sands Expo and Convention Centre, Singapore from 4 – 6 February 2026!

APE 2025 Facts & Figures

15,000 m²

Exhibition Space

344

Exhibitors

48

Delegations

5,149

Visitors

45

Countries and Regions

9

Forums

Top 20 Product Interests of Attendees

System and Equipment

- Optical Communication Transmission Equipment
- Semiconductor Equipment and Manufacturing
- Lasers
- Laser Equipment
- Optical Imaging System
- Optical Processing Equipment
- Machine Vision and Industrial Automation
- LiDAR
- Testing and Manufacturing Equipment
- Infrared Equipment and Imaging

Material, Module and Device

- Optical Communication Chip
- Optical Communication Device
- Optical Communication Module
- Optical Fiber Cable / Fiber Sensing
- Semiconductor Material
- Optical Lens
- Optical Material
- Optical Coating Material
- Laser Material and Component
- Industrial Sensor

* List in no particular order.

Top 10 Visitor Countries



Singapore



China
(incl. HMT regions)



Malaysia



India



Japan



Korea



Indonesia



Germany



United States



Thailand

Visitor Analysis

Breakdown by Industry

Optical Communication, Information Processing & Storage	24.9%
Semiconductor Processing / Manufacturing	21.4%
Advanced Manufacturing	15.5%
University/ Research Institutes	10.7%
Sensing, Measurement	8.4%
Consumer Electronics & Entertainment	6.3%
Medical	4.5%
Energy	3.0%
Surveillance / Security	2.9%
Lighting & Displays	2.2%

Breakdown by Company Type

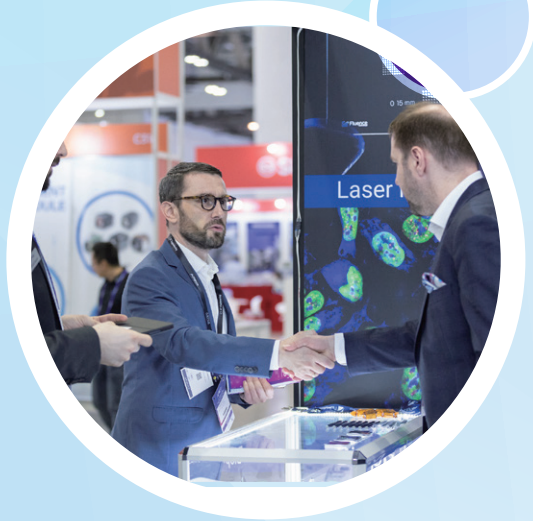
Manufacturer	48.6%
Distributor / Trader / Agent	14.2%
Service Provider	12.5%
Scientific Institutions / Universities	8.0%
Integrator	5.9%
Government Bodies	2.8%
Investment & Financing Institutions	2.7%
Contractor	2.2%
Media	1.3%
Associations / Societies / Chamber of Commerce / Industry Alliance	1.0%
Others	0.8%

Key Visiting Companies

- A*STAR
- AAC TECHNOLOGIES
- ADVANCED MICRO FOUNDRY
- AEROTECH AUTOMATION
- ALLIED VISION
- AMAZON LAB126
- AMD SINGAPORE
- AMS OSRAM
- ANRITSU
- APPLE
- APPLIED MATERIALS
- ASELSAN
- AUO
- AVNET
- BAUMER
- BIOTRONIK
- BITSILICA
- BOSTON SCIENTIFIC
- BROADCOM
- BYTEDANCE
- CALIBER INTERCONNECT SOLUTIONS
- CANON
- CATSA
- CCS ASIA
- CHINA TELECOM
- CIENA
- COHERENT
- CORNING
- DCH AURIGA
- DELTA ELECTRONICS
- DYSON
- EXCELITAS
- FICONTEC
- FRAUNHOFER EMI
- FUJIKURA FIBER OPTICS
- GASTRON
- HELLMA
- HENSOLDT
- HIOKI
- HITACHI HIGH-TECH
- HOYA
- HP
- HUAWAI
- IBM
- II-VI
- ILLUMINA
- IMRE
- INFINEON
- INTEL
- IPG PHOTONICS
- JABIL CIRCUIT SINGAPORE
- KAIST
- KIOM
- KRISS
- LEGO
- LEICA
- LENOVO
- LGE
- LITE-ON
- MACNIA
- MARVELL
- MATTSON TECHNOLOGY
- MEIBAN
- MENARINI APAC
- META
- MICRON
- MIPOX ASIA
- MITSUBISHI ELECTRIC
- MOLEX
- NCS
- NEC APAC
- NOVO NORDISK
- NTT AT
- NTU
- NUS
- OHARA
- OPTOSIGMA
- PANASONIC
- PENTAMASTER
- PLASMA-THERM
- QUANTEL
- RAITH ASIA
- RESMED
- SABIC HPP
- SAMSUNG
- SANTEC
- SCHOTT
- SERVO DYNAMICS
- SICK
- SMC
- SOITEC
- SONY
- STMICROELECTRONICS
- SUTD
- TE CONNECTIVITY
- TESLA
- THERMO FISHER SCIENTIFIC
- VISCOM MACHINE VISION
- WINTECH
- NANO-TECHNOLOGY SERVICE
- YAMAICHI ELECTRONICS

Driving New Business Opportunities in Asia

- **Forge strategic connections & expand your reach** through events like gala dinner, site tours, happy hour, matchmaking, etc.
- **Explore the full photonics value chain** under one roof - from materials, components, to manufacturing equipment.
- **Catalyzed by Singapore's strategic initiatives**, dive into the new opportunities in semiconductors, PICs, and quantum technologies.



Exhibitor Profile

Optical Communication

- Optical Communication Chip
- Optical Communication Device
- Optical Communication Module
- Optical Communication Transmission Equipment
- Optical Fiber Materials
- Optical Fiber Cable / Fiber Sensing
- Semiconductor Materials
- Semiconductor Equipment & Manufacturing

Laser

- Lasers
- Laser Material & Component
- Laser Component
- Laser Equipment

Infrared

- Infrared Material
- Infrared Component
- Infrared Equipment & Imaging

Semiconductor

- Semiconductor Manufacturing and Advanced Packaging
- Chip and Chip Design
- Semiconductor Core Part
- Compound Semiconductor and Power Device

Optics

- Optical Material & Component
- Optical Processing Equipment
- Optical Coating Material & Equipment
- Optical Lens & Camera Module
- Optical Measuring Instrument
- Machine Vision & Industrial Automation
- AR / VR

Sensing

- Industrial Sensor
- 3D Imaging & Sensing
- MEMS & Sensor
- LiDAR & Component

Display

- Display Material
- Display Panel / Module
- Display Manufacturing Equipment

Quantum

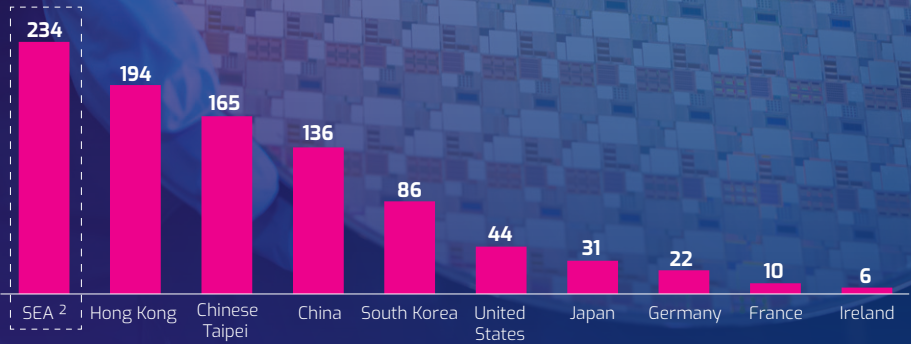
- Quantum Computing
- Quantum Communication and Security
- Quantum Precision Measurement
- Core Upstream Components

What's New in 2026?

Semiconductor Pavilion

Semiconductors, essential for Photonic Integrated Circuits (PICs), have evolved into one of the most ubiquitous technologies powering the modern world. PICs use semiconductor materials and fabrication to integrate optical components like lasers and detectors on a single chip, enabling compact, high-performance, and cost-effective solutions across communications, sensing, and computing. Southeast Asia (SEA) has emerged as a key manufacturing and innovation hub for the global semiconductor industry, accounting for 20% of global exports, valued at \$234 billion in 2023. Based on this, APE 2026 will debut its Semiconductor Pavilion to facilitate photonics-semiconductor convergence, positioning the event as a strategic gateway to Southeast Asian market.

SEMICONDUCTOR¹ EXPORT VALUE BY SEA & KEY NATIONS (2023), \$ BILLION



1) Exports comprising Integrated Circuits products (HS 8542)

2) SEA 'Big 6' countries comprising Singapore, Malaysia, Thailand, Indonesia, Vietnam and the Philippines

Source: ASEAN Statistics Portal, International Trade Centre

Semiconductor Industry Overview in SEA Countries

Singapore:

- **Front-End & R&D Leader:** Contributes 10% of global semiconductor output, around 20% of global semiconductor equipment production and 5% of global wafer capacity.

Malaysia:

- **Global Back-End Hub:** Specialises in assembly and packaging, contributing 13% of the global semiconductor back-end manufacturing.

Thailand:

- **Automotive & PCB Manufacturing:** The semiconductor market is projected to grow at a CAGR of 8.88% (2024-2027), reaching a market size of US\$13.23 billion by 2027.

Vietnam:

- **Rising OSAT Hub:** With a projected market value of US\$31.28 billion by 2027 and a CAGR of 11.6% between 2023 and 2027.

Leading Semiconductor Companies in SEA:



*List in alphabetical order

Concurrent Conferences

At APE 2025, we partnered with LUX, SSIA, and NSTIC to organise forums covering key sectors like photonics@5G, semiconductors, and flat optics. Building on this momentum, APE 2026 will host a series of industry-focused, application-driven forums designed to empower the global photonics community for communication, exchange, and learning. Renowned keynote speakers from leading photonics companies, research institutes, and universities will explore forefront technology innovations, share valuable insights, and explore emerging trends throughout the photonics industry.



Key Programmes

- Quantum Singapore 2025 Conference
- Photonics@5G 2025 Conference
- Forum on Advanced Photonics and Flat Optics
- Asia Semiconductor Conference
- Machine Vision and Robotics Enabling Industrial Intelligent Manufacturing Forum
- EPIC Tech Watch hosted by European Photonics Industry Consortium (EPIC)
- 2025 EUROPE meets ASIA - Innovation in Photonics by W3+, IVAM & EPIC
- 2025 Photonics Empowering Electric Vehicle Technology Forum
- Photonics Technology Empowering Semiconductor Manufacturing Forum

Interactions Inspire Innovation

Gala Dinner

At APE 2025, over 140 global industry players—including association leaders, chamber representatives, academic experts, and corporate executives from Singapore, Malaysia, Thailand, Germany, the United States, Hong Kong, China, and beyond—gathered to exchange ideas, engage in discussions on industry achievements, and forge cross-border partnerships.



Business Matchmaking

Exclusively designed for senior decision-makers and buyers with defined sourcing needs, APE 2025 facilitated 35+ targeted matchmaking sessions, enabling vendors to connect efficiently with high-potential clients across photonics-driven sectors.

Site Tour

The APE 2025 Site Tour offered an exclusive opportunity for over 60 professionals with exclusive access to Singapore's premier research hubs and photonics innovators, fostering deeper industry-academia collaboration and driving innovation. Spanning two days, attendees gained firsthand insights into groundbreaking technologies and research.



Happy Hour

Over 100 exhibitors and VIPs have joined the event to share ideas, exchange contacts, and foster new connections in a relaxed atmosphere over drinks and light bites. This is the perfect setting to spark conversations that lead to meaningful collaborations and future opportunities.

Exhibition Tour

At APE 2025, 48 international visiting groups participated in curated exhibition tours, including over 20 association-led delegations with tailored itineraries to address sector-specific challenges and unlock new opportunities.



Expand Your Leads and Grow Your Business

Build your brand beyond the 3-day exhibition with Omnichannel Exposure



2,280,000+

EDM Mailing Volume



450+

News Release Coverage



165,000+

Unique Website Visitors



Our Partners in 2025

Strategic Partners



*List in alphabetical order

Supporting Associations



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Supporting Media



*List in alphabetical order



EXHIBIT AT APE 2026



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