

WONG CHIH CHIANG

Support Director | R&D Director | Automated Test & Inspection | Electronics Manufacturing

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PROFESSIONAL SUMMARY

Singaporean engineering and business leader with 20+ years in electronics manufacturing, including two decades on the ground in China (Shanghai and Suzhou), specialising in automated inspection and test systems (AOI, AXI, ICT, CCAOI). Progressed from hands-on Application Engineer to R&D Director and Support Director, combining deep technical expertise with commercial leadership. Scaled a support organisation from 5 to 25, generated USD 1M in first-year sales for a new ICT business line and built strategic partnerships with European technology vendors including Modus and Digitaltest for the China and Asia markets. Fully bilingual in English and Mandarin, with customer experience spanning Fortune 500 EMS manufacturers such as Jabil across Asia, Europe, and the Americas. In 2026 earned the PMP® certification, completed the NTU Advanced Professional Certificate in Data Science & AI and the AWS Certified AI Practitioner credential, deepening project management, AI and machine-vision capability. Seeking BD, product, program / project management or engineering leadership roles in automated inspection, electronics manufacturing and applied AI.

CORE COMPETENCIES

Automated Inspection & Test (AOI · AXI · ICT · CCAOI) • R&D Management • Project Management (PMP®) • Business Development • Team Leadership & Scaling • Electronics Manufacturing (SMT / EMS) • AI & Machine Vision • Strategic Partnerships • Technical Sales & Pre-Sales • Bilingual English & Mandarin

PROFESSIONAL EXPERIENCE

Support Director

Aug 2024 – Apr 2026

Triertech Co Ltd · Suzhou, China

- Led support managers across four product lines (ICT, AOI, CCAOI, AXI), scaling the support organisation from 5 to 25 engineers.
- Owned ICT business development across sales, support, and marketing, generating USD 1M in sales within the first year.
- Spearheaded new business partnerships with Modus Germany (CCAOI) and Digitaltest GmbH (ICT) for the China and Asia markets.
- Secured a system order from a key customer in Korea and led vendor visits in Germany to develop an internal fixture house.
- Represented the company at major international trade shows including APEX-LA, Nepcon-Shanghai, Nepcon-Shenzhen, and Productronica-Munich.

R&D Director

Jan 2023 – Aug 2024

Suzhou Link Ways Tech Co Ltd · Suzhou, China · Hybrid inspection · AI deep learning

- Led development of a Hybrid Inspection System (HIS) for glue and pin inspection, collaborating with vendors in Switzerland and Spain on unique 3D testing solutions.
- Introduced AI deep-learning software into existing solutions with a remote R&D team in Taiwan; developed and commercialised an AI Assembly Assistant with multiple system sales in the Taiwan market.
- Led the R&D department to ISO 9001:2015 certification for the design and manufacture of optical instruments; showcased HIS and CCAOI at SMTA Guadalajara 2023 for North American market entry.

R&D Manager

Jan 2017 – Jan 2023

Suzhou Link Ways Tech Co Ltd · Suzhou, China · Machines, handlers, MES & vision software

- Developed machines, handlers and software solutions (MES and customised vision inspection) for SMT production lines.
- Established key partnerships: Modus (CCAOI, 200+ systems sold), Optical Control (X-ray component counting, 10+ systems) and Interflux (selective jet-flux systems).
- Built an inline barcode-scanning system integrated with AOI / AXI (12 systems sold) and a robot-vision inspection solution for iPhone camera modules (40 systems sold); showcased a Radar Test System prototype at Productronica Munich 2021.

AOI Product Manager

Jan 2015 – Jan 2017

Suzhou Link Ways Tech Co Ltd · Suzhou, China · Vitrox 3D AOI

- Introduced Vitrox 3D AOI to Jabil Shanghai, Huangpu and Wuxi, generating over 50 AOI system sales.
- Secured post-support contracts for over 60 systems, worth roughly RMB 2M in annual recurring revenue; ran pre-sales and product seminars aligned with Vitrox's roadmap.

Senior Application Consultant

Mar 2005 – Jan 2015

Ellipsiz iNETest (Shanghai) Co Ltd · Shanghai, China

- Delivered application support and training for AOI equipment across major EMS companies in China, Malaysia, Vietnam, Taiwan, Thailand, Indonesia, Mexico, Korea, and Brazil.
- Developed new software and hardware solutions based on customer requirements, involving PLC and Perl programming.
- Won multiple benchmark evaluations across Asia (Kunshan, Shanghai, Shenzhen, Penang, Ho Chi Minh City), directly contributing to equipment sales.

EDUCATION & CERTIFICATIONS

Project Management Professional (PMP)®

Sep 2026 · valid to Sep 2029

Project Management Institute (PMI)

Certification Number 4518279 · [View credential](#)

AWS Certified AI Practitioner

Jul 2026 · valid to Jul 2029

Amazon Web Services

Credential ID ad34240536b3440c9825de6536ccbb8e · [Verify credential](#)

Advanced Professional Certificate in Data Science & AI (SCTP)

Apr 2026 – Jul 2026

NTU Centre for Professional & Continuing Education (PaCE@NTU) · SkillsFuture Career Transition Programme
Covers Python programming, data analytics, machine learning, big data engineering, and AI, with real-world capstone projects.

Credential ID 7972752 · [Verify credential](#)

Bachelor of Engineering (Mechatronics)

Graduated Jul 2003

Nanyang Technological University, Singapore · Second Class Upper Honours