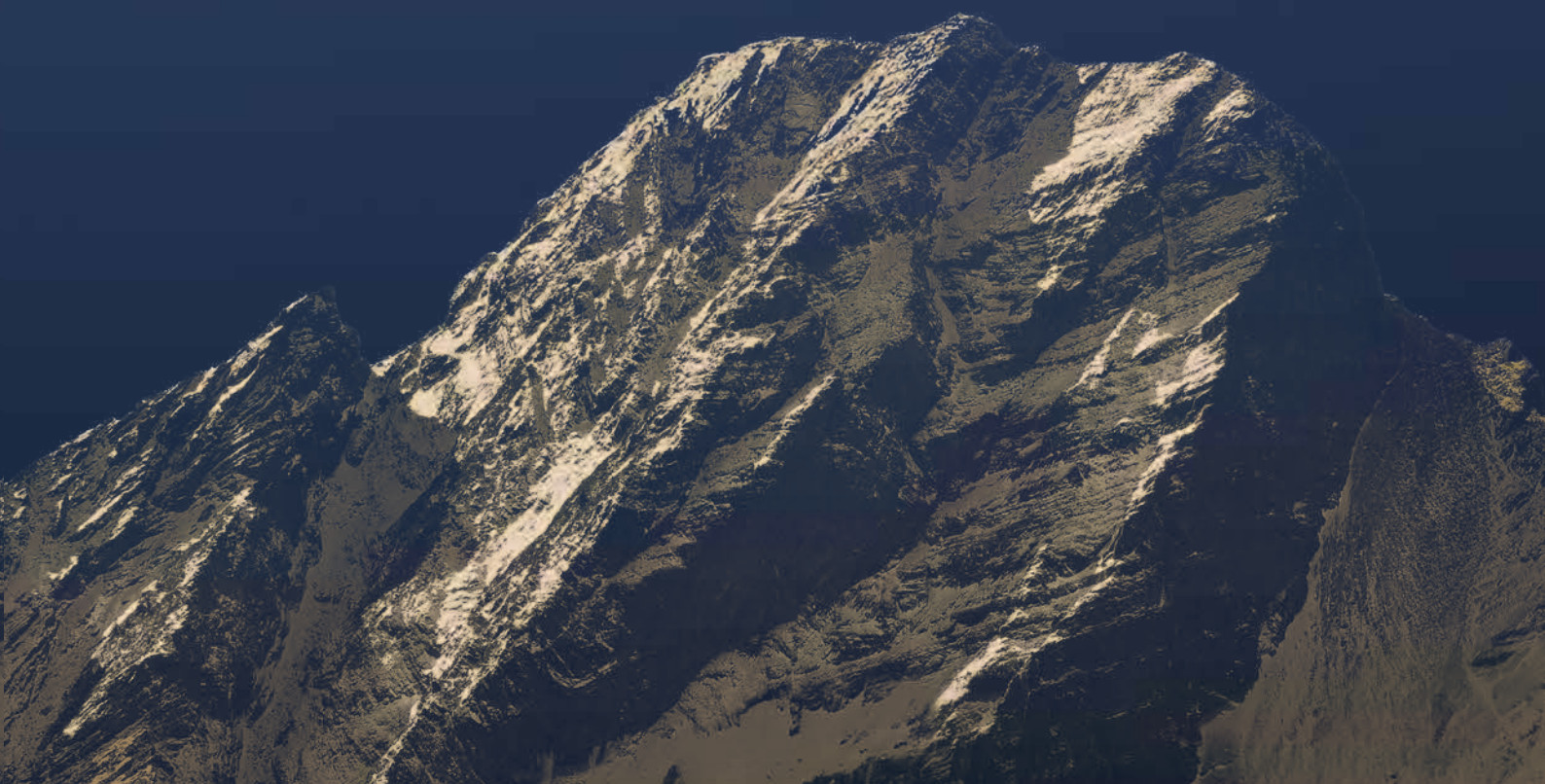
經濟部
Ministry of Economic Affairs

7th 總統創新獎
Presidential Innovation Award

Award Report



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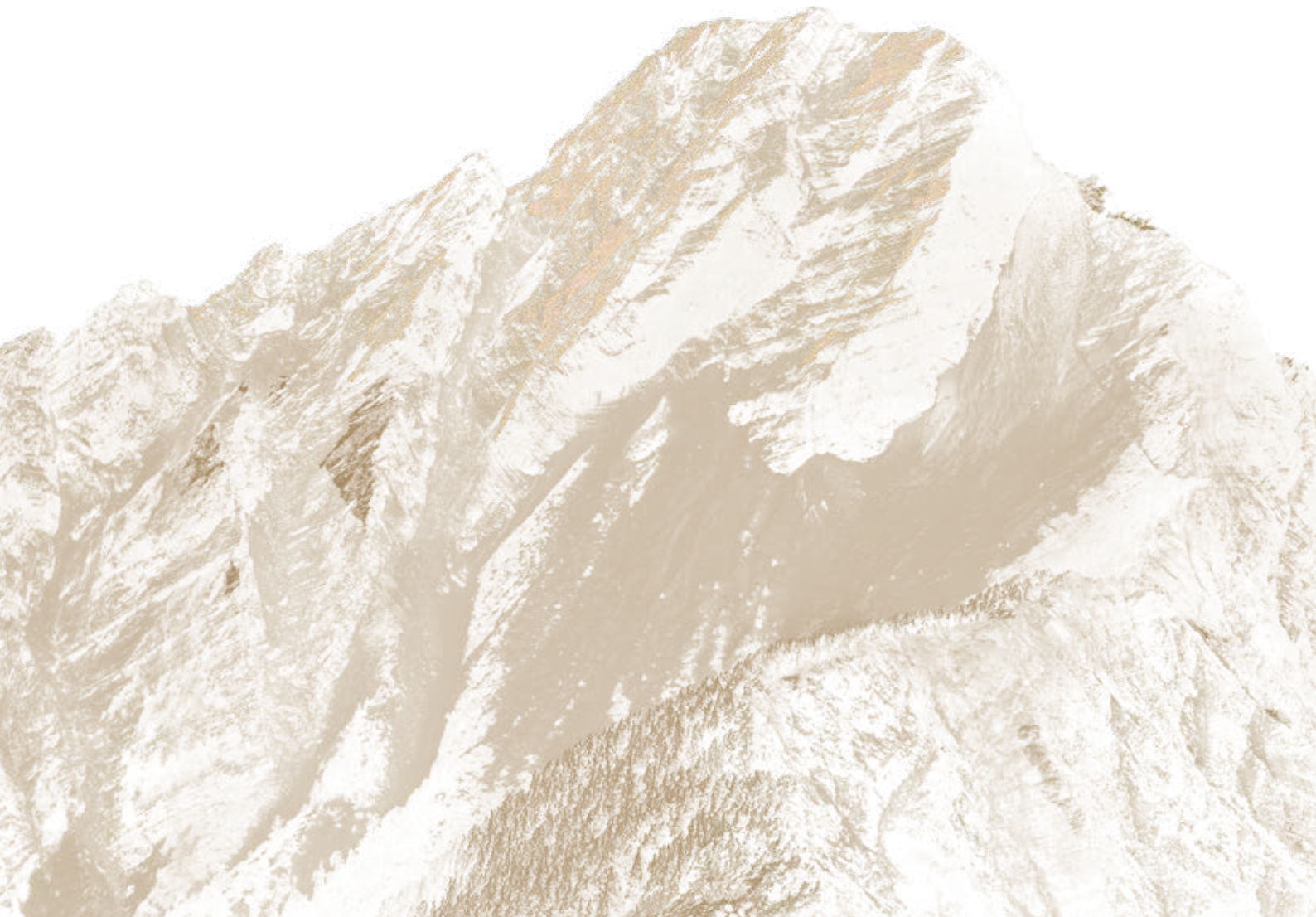

7th 總 統 創 新 獎
Presidential Innovation Award

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Individual Category

Youth Category

Foreword by the President

As our world grapples with rapidly advancing new technologies and an ever-changing international landscape, innovation has become the definitive force that empowers a nation to navigate challenges, raise its competitiveness, and chart its future.

For Taiwan, our strength comes not just from our abundant capacity for innovation, but also from our talented people and our spirit of unity and resilience. Over the years, we have continuously gathered innovative momentum across technology, industry, culture, and institutional development, allowing us to forge new paths as we steadily progress. Through our accomplishments, we have proven to the world that innovation is Taiwan's most valuable asset and the vital foundation that enables us to stride ahead with sustainable steps.

The Presidential Innovation Award seeks to encourage all sectors of society, from industry and government to academia and research, to address the challenges of today with diverse, innovative thinking. In addition to recognizing new methods and breakthroughs, this award honors the broad vision and courageous spirit of its recipients, and serves to inspire those from all walks of life to continue driving innovation and pursuing excellence.

The winners of the 7th Presidential Innovation Award, selected by category, include two groups, two individuals, and one youth recipient. These awardees have not only made outstanding, forward-looking achievements, but are also living testaments to the spirit of innovation deeply rooted in Taiwan's industry, culture, and public institutions – now a core value and shared ideal within our society.

Group category winner Realtek Semiconductor Corp., through its critical IC chip R&D technology and patent strength, has driven high-level transformation across domestic industries, helping to secure Taiwan's unshakeable leadership position in the global semiconductor sector. The other winning group, One-Forty, has developed a learning platform for migrant workers offering friendly support, building an essential bridge between the migrant worker community and Taiwanese society as a whole.

Director and Professor Chu-Chen Hsiao of National Tsing Hua University, winner in the individual category, has documented the social transformations and resilient spirit of this land through a humanistic visual perspective, preserving the national cultural memory of Taiwan's industrial development. The second

winner in this category is Chair Professor Emeritus Jung-Der Wang of National Cheng Kung University. An important founder of Taiwan's occupational medicine specialist system, he has devoted his career to occupational disease research and has made far-reaching contributions to occupational medicine, labor safety, National Health Insurance policymaking, and public health.

The youth category winner, General Manager Shaw Wu of DATAYOO, has led a team in developing an AI crop and soil monitoring system which utilizes satellite spectroscopy and algorithms to enhance the precision of smart agriculture in Taiwan. By sharing this experience on the global stage, he has also achieved success in agricultural and technological diplomacy.

Innovation begins with problem-solving. Its value transcends technical breakthroughs and institutional reforms; it lies in its ability to address the defining issues of our era, improve human well-being, and boost societal resilience. Through dedication and self-cultivation in their respective roles, this year's winners have harnessed open-minded, resilient, and forward-looking creativity to stay attuned to the pulse of the times and respond to the evolving needs of society, elevating Taiwan onto the broader international stage as exemplars of innovation.

I hope that the publication of this 7th Presidential Innovation Award Report will inspire Taiwan's citizens across all sectors to continuously sharpen their skills and strive to excel. Every effort contributes to the invaluable force driving the nation forward, and will guide Taiwan toward a resilient and sustainable future.

President

Ching-Te Lai

June 2026

Foreword by Minister of Economic Affairs

The global economic landscape is constantly evolving, and nations worldwide are searching for new engines of growth. For Taiwan, our greatest strength has never been simply riding global trends but instead finding our own footing amid every wave of change, and even getting ahead of the curve. Over the past few years, Taiwan has attracted significant international interest, drawn not only by our semiconductor sector but also by a shared curiosity: "Why does Taiwan always emerge stronger under pressure?" I believe the answer is actually quite simple: Taiwan's greatest asset is not technology alone, but a spirit of relentless innovation.

What makes the Presidential Innovation Award truly meaningful is not only its prestige but also the message behind it—namely, innovation has never existed only in laboratories, nor should it be reduced to a cold technological buzzword. Real innovation with lasting impact is the kind that can revolutionize industries, enhance everyday life, and ultimately reshape societal values. Some have elevated semiconductor chips to global prominence, others have transcended border barriers in education, and still others have used images, healthcare, AI and data to tackle problems that once seemed beyond solution. The laureates represent a wide range of fields, yet they are united by one thing in common: they do not wait for the future; they build it.

What moves me about this year's winners is how innovation seems to carry a growing sense of "human touch." Realtek Semiconductor began with just seven engineers and NT$2 million in capital but gradually grew into a globally influential IC design company that embodies Taiwan's industrial resilience built on perseverance and collective effort. Meanwhile, One-Forty, dedicated to education and fellowship for migrant workers, reflects the inclusiveness and human warmth at the heart of Taiwan society. Filmmaker Chu-Chen Hsiao, through documenting the development of the semiconductor industry in Taiwan, reveals the human dimension behind Taiwan's technological power. Meanwhile, Dr. Jung-Der Wang, whose lifelong research focuses on occupational disease, demonstrates how scientific study contributes not only to public health but also to broader institutional transformation. Shaw Wu, representing a new generation of innovators, applies satellite and AI technologies to smart agriculture—proof that Taiwan's young entrepreneurs are already

competing at the frontier of global sustainability. Together, these stories remind us that innovation is not merely about advancing technology but also, and more importantly, about improving society as a whole.

I often say that Taiwan is a place unlike any other. We are a small island with limited resources, yet we are never absent from the world's most critical moments. The reason lies in one simple truth: the people of Taiwan excel at making the impossible possible. It was true during the pandemic. It has been true amid supply chain restructuring. And it will remain true as the AI era unfolds. When others hesitate and wait, we are already mapping out our strategy; when others are concerned about obstacles, we are already preparing to move ahead.

Of course, innovation does not fall from the sky. It takes long-term dedication, a readiness to take risks, and a willingness to learn from failure. Behind many success stories, there is often a period when no one believed that success could be achieved. What we see today is the end result, but what is truly precious is the persistence that made it possible. Because innovation has never been a sprint but instead a marathon.

In the years ahead, the Ministry of Economic Affairs will continue to work hand in hand with industry, government, academia and research institutions to create a more supportive environment for innovation, where young people can dare to dream, businesses can dare to invest, and technologies can take root in real life. We look forward to more groups and individuals joining the ranks of innovation, injecting stronger forward-looking momentum into Taiwan's economy and becoming a shared force driving the nation's sustainable development.

Minister of Economic Affairs

Kung Ming-Hsin

June 2026

Aim and Orientation of the Award

The Presidential Innovation Award recognizes individuals, organizations, and groups that have demonstrated excellence across fields including product, technology, management, service, and culture. It honors those whose innovative and entrepreneurial thinking has driven real structural change in Taiwan's economy — and inspired others to follow.

By encouraging participation from industry, government, academia, and research sectors to pursue diverse forms of innovation and value creation, the award aims to build a national innovation ecosystem that strengthens Taiwan's economic competitiveness.

Introduction to the Award

The Presidential Innovation Award is a biennial honor that recognizes five laureates across three categories: Group, Individual, and Youth. The 7th edition opened for submissions in July 2025, receiving 270 entries by the September deadline.

Following a rigorous multi-stage evaluation process—including preliminary and secondary reviews conducted by subcommittees specializing in R&D, culture, service, and talent development—the award committee selected five winners. In the Group category, the award was presented to Realtek Semiconductor Corp. and One-Forty. Individual recipients include Chu-chen Hsiao of National Tsing Hua University and Jung-der Wang of National Cheng Kung University. The Youth award was presented to Shaw Wu, General Manager of DATAYOO.

Group Category

Realtek
Semiconductor Corp.

The Crab Spirit Upgraded: Forging the Digital World's Neural System through Lateral Innovation

After nearly 40 years in the semiconductor industry, Realtek's chips have powered devices around the world and enabled the interactions among humans, machines, and networks that form an invisible yet pervasive digital neural system. Driven by strong R&D capabilities and a commitment to technological autonomy, Realtek has transformed from "adapting to the market" to becoming a key force capable of "defining the market".


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Semiconductors underpin modern digital life, enabling seamless connectivity across machine-to-machine and human-to-machine interactions. Realtek is a primary enabler of this infrastructure.

Recognized by its iconic crab logo, Realtek has spent decades upgrading communication and multimedia technologies. Over time, it has built a comprehensive portfolio spanning network infrastructure, audio-visual systems, and smart edge devices.

While the brand often operates behind the scenes, its chips are ubiquitous in daily life, from laptop connectivity and video conferencing to electric vehicles.

Originally a specialist in networking chips, Realtek Semiconductor Corp. has expanded into Wi-Fi, Bluetooth, audio and multimedia technologies, as well as emerging fields such as AIoT, automotive systems, and robotics. The company now ranks among global leaders in network communications, audio processing, IP cameras, and AIoT solutions for home appliances.

Shipping over 2.5 billion chips annually, Realtek's semiconductors are embedded in billions of devices worldwide. Their reach extends into critical infrastructure, including electronic voting systems in South American presidential elections and lottery systems in North America. This pervasive presence forms part of the modern world's "digital neural system."

3-in-1 Ethernet Chips: Entering the World Stage

Realtek's journey began in 1987. While the founding team initially produced entry-level consumer electronics, such as Christmas light controllers, they soon recognized the need to aim high. As the networking era emerged, Ethernet became their primary focus.

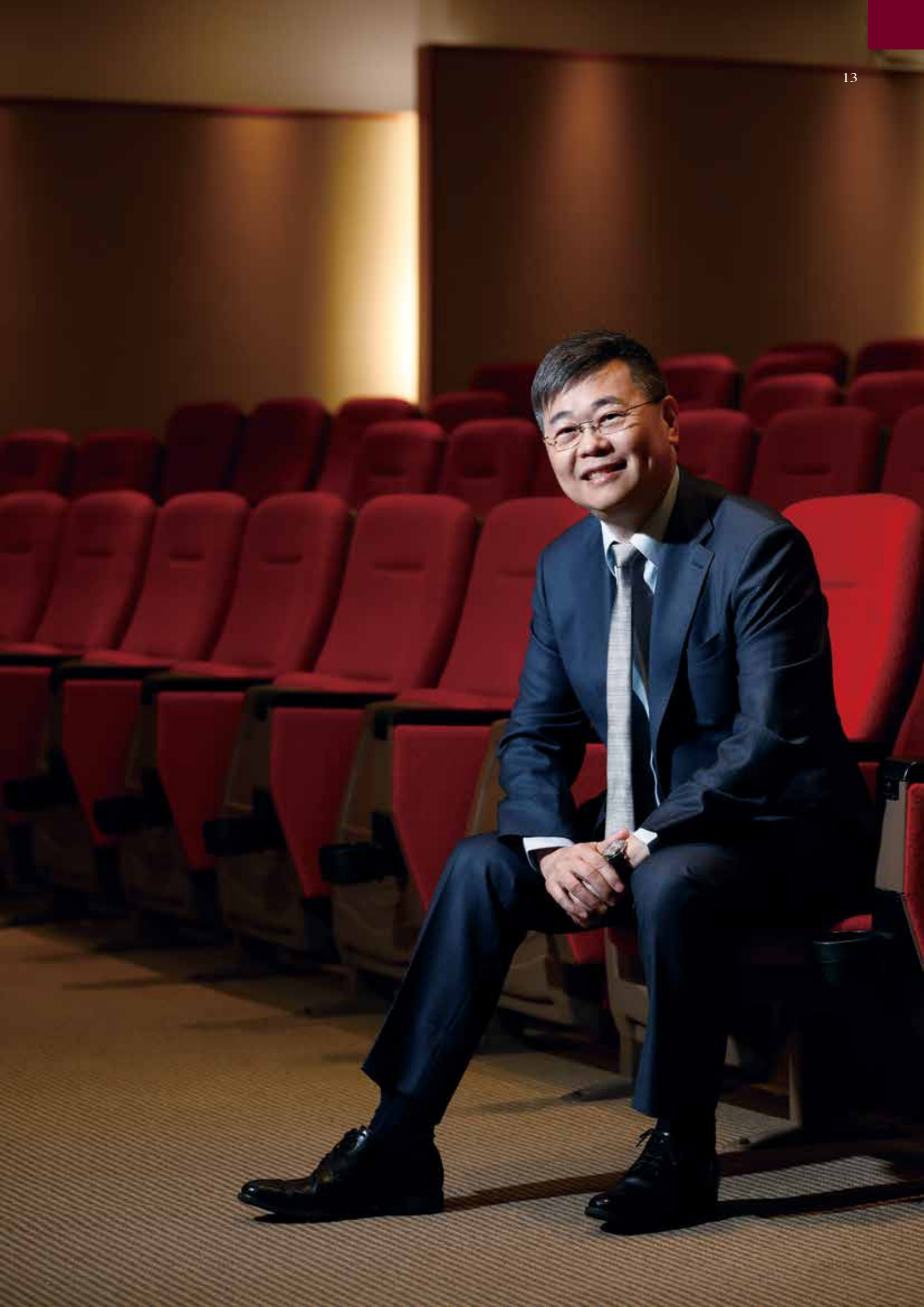
In 1997, the company reached a defining milestone with the launch of the world's first "3-in-1" Ethernet chip. By integrating analog, digital, and memory components into a single chip, Realtek commoditized what had previously been complex and costly. "This breakthrough disrupted the entire industry," says Realtek's President Kuang-Yu Yen.

This move not only challenged Intel's market dominance, but also positioned Taiwan's IC design sector as a global contender in networking. It laid the groundwork for a broader ecosystem, contributing to the rise of companies such as Accton and D-Link.

Yen notes that lower networking costs—made possible in part by Realtek—helped fuel the rise of tech giants like Google. "As connectivity became affordable for all, the digital world began to take shape," he adds.

Realtek has leveraged its strengths in

> Realtek's crab logo symbolizes the strength of collective collaboration. Grounded in integrity and R&D-driven sustainability, we continue to challenge ourselves as the market evolves. **A culture of 'self-confidence and trust in people' is reflected in teams that serve as the driving force behind our growth.**
>
> Chairman, Realtek Semiconductor Corp.



integration and power efficiency to drive the evolution of mainstream standards, from 100MbE and 1GbE to today's 2.5GbE and 10GbE. Its products are oftentimes used by international standards bodies as golden samples for interoperability testing. This progression reflects Realtek's shift from following markets to defining them.

Conviction of Technology Independence: Securing Global Leadership

Following its Ethernet success, Realtek adopted a "broad coverage" strategy to scale its core technologies. Yen notes that while building a "digital neural system" is the long-term objective, expansion is deliberate — targeting high-volume markets where technologies can be effectively applied across sectors.

Starting with PC peripherals—including audio, Wi-Fi, Bluetooth, IP Camera and USB—Realtek expanded into consumer electronics, ranging from set-top boxes home appliances, Bluetooth earphones to wearables. With more than 2,000 product models, the breadth of its portfolio is unrivalled in the industry.

While many companies compete for market share, Realtek's global leadership is rooted in its commitment to technical independence. Since its founding, the company has prioritized in-house R&D over off-the-shelf intellectual property. This approach allows Realtek to optimize its chips for size, speed, power efficiency, and cost, while maintaining the flexibility to adapt to evolving industry standards. Rather than supplying standalone components, it delivers comprehensive integrated solutions tailored to specific customer needs.

This strategy has enabled Realtek to expand across a wide range of global device markets, while supporting the growth of Taiwan's networking and IT industries. By retaining control over its core technologies, the company reduces reliance on external supply chains and strengthens the resilience of critical

components—an increasingly important factor in today's geopolitical landscape.

Realtek continues to reinvest nearly 30% of its annual revenue into R&D. With more than 10,000 patents and a workforce in which nearly 90% are R&D professionals, the company also plays a key role in developing talent for Taiwan's semiconductor ecosystem.

"This is how we build a competitive moat," Yen says. "Sustained investment in R&D is essential to driving continuous innovation and breakthroughs." This technical strength is not only a source of corporate advantage, but also a key contributor to Taiwan's competitiveness in the global market.

A Decade of Sharpening a Sword: The Automotive "Spillover" Strategy

In 2014, while much of the industry remained focused on PCs and consumer electronics, Realtek identified the potential of automotive networking. At the time, in-vehicle communication relied on heavy, proprietary wiring that was difficult to diagnose and maintain. As the industry began shifting toward lighter architectures and open international standards, Ethernet emerged as a leading solution. Realtek applied its "spillover" strategy—leveraging its established Ethernet expertise to enter the automotive sector and actively participate in defining new global standards.

The transition was demanding. Safety requirements required a leap in reliability from parts per million (ppm) to parts per billion (ppb). Because automotive Ethernet operates under different specifications from those used in PCs, Realtek had to overhaul its R&D, design, and production processes. "We rebuilt the system from the ground up," Yen notes. "It took nearly a decade of development before we reached high-volume production."

Today, Realtek ranks among the world's top five automotive Ethernet chipmakers and works with international automakers to shape future specifications. This success has brought Taiwan's IC design industry more firmly into the core of the global automotive supply chain.

Other consumer technologies—such as Wi-Fi, audio, cameras, and high-speed interfaces—were also made into automotive-grade solutions. This expansion broadened Realtek's market reach and helped Taiwan's ODM sector gain access to critical automotive subsystems, driving a broader national industrial upgrade.

An unexpected gain has emerged as major EV manufacturers expand into humanoid robotics.

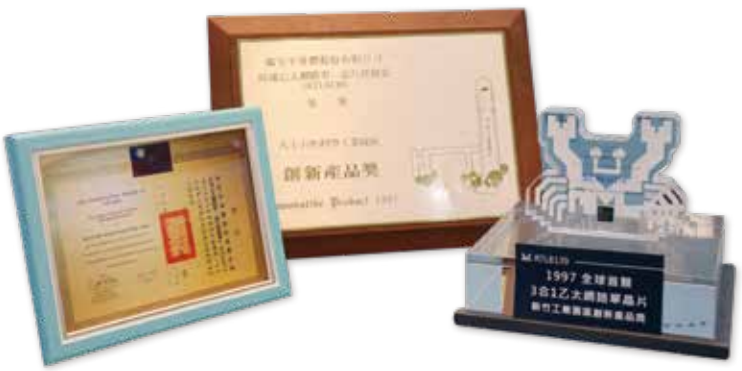
They have begun using Realtek's hardware to connect robotic joints. By providing the "neural system" for these machines, Realtek's Ethernet chips have secured a foothold in the humanoid robotics market.

Embedded AI: Transforming Daily Life Through Innovation

Realtek's role is evolving alongside the rise of AI. While many industry leaders prioritize cloud data centers, Realtek is building on its extensive presence in on-premises devices to bring "edge AI" into everyday environments.

These applications range from voice recognition for human–machine interaction to automated 4K upscaling of low-resolution video, as well as enhanced imaging for outdoor cameras in low-light conditions. Realtek also provides AI-driven automation solutions for manufacturing. "By innovating at the edge—where our strengths lie—we enable industries across the board to benefit from AI," Yen says.

Realtek's track record of industry recognition reflects its technological evolution: from high integration to power efficiency, and now to AI innovation. Yet regardless of advances in AI computing, real-world applications continue to rely on high-speed transmission, high-resolution media interfaces, and seamless connectivity. In this sense, Realtek's technologies form a critical foundation for bringing AI into practical use.



From the media and networking chips that connect people with AI, to the AIoT components that power smart appliances, and the Ethernet chips enabling autonomous vehicles and robotics, Realtek shows that semiconductors are more than hardware—they are enablers of everyday life. For Yen, this remains a source of professional pride. "Seeing the work of our engineers applied in everyday life is an immense honor," he says.

Agile Adaptation: Symbiotic Success with Partners

Realtek's success reflects the collective strength of Taiwan's semiconductor ecosystem. "Taiwan's comprehensive supply chain is a major advantage," Yen says. By working closely with foundries as well as packaging and testing partners, Realtek builds deep collaborations to optimize manufacturing processes and packaging. This collaborative network has created a resilient industry cluster that remains difficult to replicate.

During the COVID-19 supply chain disruptions in 2020, Realtek demonstrated a high degree of flexibility. The company worked with manufacturing partners to maximize capacity utilization while developing high-performance alternatives. These solutions maintained full functionality without compromise, ensuring continuity for global customers during a period of uncertainty.

Realtek acted decisively when a shortage from an overseas supplier halted deliveries of critical USB Type-C power components for laptops. Although its own solution was still in the prototyping stage, the company dispatched engineers to the client's site to redesign and validate the component. This rapid response

Mantra for Success

Since its founding, Realtek has maintained technical independence, reinvesting nearly 30% of its annual revenue into R&D. With more than 10,000 patents and a workforce where nearly 90% are R&D professionals, the company has built a strong competitive moat. This foundation enables Realtek to navigate industry shifts, define global standards, and achieve a world-beating track record.

Realtek has expanded across networking, Wi-Fi, Bluetooth, automotive, and robotics. Its widespread presence forms part of the modern world's "digital neural system," while supporting the growth of Taiwan's networking and IT industries and reducing reliance on external supply chains.

The company maintains close partnerships with foundries and packaging/testing providers to optimize manufacturing processes and packaging. Each breakthrough product reflects a collective effort in innovation, strengthening Taiwan's semiconductor ecosystem and industrial clusters.

prevented a supply bottleneck and helped lift Realtek's market position in Type-C power components to near-leading levels.

Through agile execution and ecosystem support, Realtek has established itself as a reliable and standout supplier. Yen notes that these post-pandemic relationships have deepened significantly. "Many clients are now more collaborative, sharing their future product roadmaps readily so we can navigate upcoming market shifts together," he says.

Elevating Sustainability: Unabating Carbon Emission Reduction Optimization

In keeping with ESG trends, Realtek has also embedded sustainability into its core design architecture. Internal assessments show that more than 90% of the company's carbon footprint occurs during the end-user phase. To address this, Realtek focuses on efficiency at the source. By optimizing system architecture, precision circuitry, and power management, the company has achieved roughly a 30% reduction in carbon emissions with each product generation.

This commitment to green design has strengthened Realtek's competitiveness while positioning it within the sustainable supply chains of major global brands.

Reflecting on Realtek's nearly 40-year history, its crab logo serves as a metaphor for the company's strategic evolution. Yen explains: a low posture reflects humility in R&D; a hard shell represents resilience under pressure; strong claws signify the ability to seize opportunities; and moving in groups highlights the power of teamwork. Walking sideways, meanwhile, suggests the confidence of a company operating on the global stage.

This "Crab Spirit" captures Realtek's ability to cultivate technology patiently and strike precisely, ultimately embedding its chips in billions of devices worldwide.

The spirit is underpinned by a corporate culture built on "self-confidence and trust in people," which Yen has recently expanded to include "innovation through collective intelligence." This philosophy emphasizes the power of shared expertise in driving continuous progress and captures the essence of Taiwan's technology industry.

Realtek's story shows that even a single chip, when perfected, can have a global impact. Its journey to power smarter, more connected living continues.

Realtek Semiconductor Corporation

1987

Founded.

1997

Received the New Product Development Award for the Single-Chip Fast Ethernet Controller from the Industrial Development Bureau, Ministry of Economic Affairs (MOEA).

1998

Completed initial public offering (IPO) in Taiwan Stock Exchange.

2002

Received the Best Export IT Product Award at Computex Taipei for the Realtek ALC650 6-Channel Audio Codec.

2014

Annual revenue exceeded NT$30 billion.

2021

Annual revenue surpassed NT$100 billion.

2025

Received the 9th National Industry Innovation Award from the MOEA.

2026

Named one of Clarivate's Top 100 Global Innovators for the fifth consecutive year.

REALTEK

- Chairman | Sun-Chien Chiu
- Awardee's Address | No. 2, Innovation Road II, Hsinchu City 30076, Taiwan
- Time of Establishment | October 21, 1987
- Telephone | 03-578-0211
- Website | realtek.com
- No. of Employees | More than 7,300

Main Business Areas

1. Research, development, production, manufacturing, and sales of various types of integrated circuits.
2. Provide software and hardware application design, testing, maintenance, and technical consulting services for various integrated circuit products.
3. Research, development, and the sale of various types of silicon intellectual property.
4. Adjunct trade and sales that relate to Realtek's core businesses.

Group Category

40ONE

One-Forty

Empowering the "One-Forty": Pioneering a More Inclusive Society

In 2015, one in every 40 people in Taiwan was a Southeast Asian migrant worker. This workforce has long been the unsung backbone of Taiwan’s infrastructure and long-term care systems. The non-profit organization One-Forty takes its name from this figure, anchoring its mission in the lived experiences of these workers. Through innovative programs, One-Forty supports individuals in building their own futures while contributing to Taiwan’s broader transition toward a more inclusive and equitable society.

On weekends, the checkered hall of Taipei Main Station becomes a gathering place for migrant workers from Indonesia, Vietnam, Thailand, and the Philippines—a vivid cross-section of lives. While many see it as part of the city's everyday backdrop, for One-Forty founder Kai-Hsiang Chen, it became the starting point of a decade-long effort toward social change.

In 2015, Chen—a graduate of National Chengchi University's College of Commerce—chose a different path from his peers in finance, turning his focus to Taiwan's "one-forty" demographic. He founded One-Forty to address the structural challenges facing migrant workers.

Today, his team—averaging around 30 years of age—supports a learning community of more than 120,000 migrant workers, the largest of its kind in Taiwan. One-Forty has grown into a cross-border network, supporting career transitions and building an alumni community across Southeast Asia. The organization has driven a quiet revolution, working with partners across industries to raise awareness of migrant issues while helping bridge the cultural gap between workers and the Taiwanese public.

Migrant labor is a long-standing reality in Taiwan, but One-Forty's approaches are by no means traditional. The organization often works across industry, government, and academia with the next-generation mindset.

From Business School to NPO

One-Forty's workspace carries the energy of a Silicon Valley startup rather than a traditional charity. The story began with Chen's volunteer work in India and the Philippines after graduation. Observing how professional NPOs operated firsthand, he began to see the deeper, structural connections between Southeast Asian migrant workers and Taiwan.

In the Philippines, many people he met had relatives working in Taiwan or were planning to migrate themselves. These encounters prompted Chen to look more closely at the issue. After returning to Taiwan, he balanced a consulting job with grassroots volunteering at Southeast Asian bookstores and Indonesian community groups, teaching Mandarin as a way to better understand the lives of these "neighbors."

He soon identified a critical need: many migrant workers came to Taiwan to improve their families' financial situation, yet had limited access to financial literacy and entrepreneurship training. Drawing on his business background, Chen launched the "Migrant Business School" in 2015.

The initiative began with simple outreach, including handing out flyers at Taipei Main Station. Despite initial rejections, 25 students attended the first session. The program addressed an overlooked need and quickly

> **These 100,000 individuals are seeds.** When their experience in Taiwan is positive, they return home as the best ambassadors for the country.
>
> Founder of One-Forty Kai Hsiang Chen

gained traction through word of mouth and social media. After completing the first three-month cycle, Chen left his consulting role to build One-Forty full-time.

Education as an Investment for Social Impact

Chen sees education as the most effective way to support migrant workers, given its lasting impact. For him, the idea of "long term" goes beyond the five to ten years workers spend in Taiwan; it extends to their opportunities for upward mobility after they return home.

To put this into practice, One-Forty has built a comprehensive, tuition-free Migrant School. The curriculum spans language learning—covering Mandarin and Taiwanese—alongside financial literacy, entrepreneurship, and vocational skills such as caregiving and basic computer use. These programs support daily life in Taiwan while laying the groundwork for future career development.

Nearly one-quarter of One-Forty's 40 staff members are Southeast Asian educators who develop native-language materials. Demand for these resources is strong: while physical classrooms can accommodate only 300 to 400 students each year, the organization received around 3,000 applications within a week of opening registration this year.

To reach Taiwan's nearly 900,000 migrant workers, One-Forty launched a digital platform in 2017. It now hosts more than 500 instructional videos, covering topics from professional skills to navigating local healthcare and transportation systems. The platform has attracted over 120,000 subscribers, and its flagship mobile app has been downloaded more than 30,000 times, serving as a key entry point for workers arriving in Taiwan.

Chen emphasizes that One-Forty supports the entire migration journey—from pre-departure preparation to learning in Taiwan, and ultimately to applying these skills back home.

Alumni Data and the Talent Pipeline

The impact of education is evident in over 200,000 Taiwanese employer households. As migrant workers improve their Mandarin, they gain a deeper understanding of the elderly they care for. This enhances not only the quality of care, but also the dynamics within the family.

For many workers, One-Forty is life-changing. It tracks its alumni each year and has found that many returnees use their language skills and cultural fluency to move into management

or translation roles at Taiwanese-owned companies in their home countries.

By building professional Facebook alumni networks where Taiwanese firms can post job openings, One-Forty has created a regional talent pool. This initiative is helping reposition Taiwan from a "labor importer" to a "talent incubator," providing a steady pipeline of talent for Taiwanese companies operating under the New Southbound Policy.

Other alumni apply their entrepreneurial training to local ventures. Success stories include a factory owner employing 18 people, a poultry farmer raising a flock of 6,000, and restaurant owners introducing Taiwanese staples such as bubble tea to local markets.

"We want to ensure every migrant's international journey is meaningful," Chen says. When workers are able to improve their lives back home, they begin to see their time in Taiwan as a lasting asset for their future.

Multi-Sector Collaboration to Scale Social Impact

One-Forty recognizes that driving systemic change requires a coordinated effort. By working across industries, the organization focuses on professional training, inclusive workplace design, and better consumer experiences, turning social challenges into tangible outcomes.

"We center our strategy on the daily lives of migrant workers," Chen explains. In the retail sector, One-Forty partnered with FamilyMart to introduce multilingual communication guides and Muslim-friendly food options across more than 4,000 stores.

In telecommunications, it worked with FarEasTone to produce instructional content for mobile connectivity, addressing an immediate need for migrant workers.

The organization has also advanced financial inclusion through partnerships with various banks and insurance companies. Together, they developed native-language resources to guide workers through account opening and fraud prevention, while supporting banks in meeting fair treatment standards.

In healthcare, collaborations with major hospitals have streamlined patient registration and expanded access to mental health resources. Even Taiwanese landmarks such as Taipei 101 and the National Palace Museum have improved their visitor navigation systems using insights from One-Forty.

Outreach also extends to campuses. One-Forty has introduced Southeast Asian cultural

curricula into schools across Taiwan, reaching 4,000 teachers and 6,000 students. This early exposure helps foster a more globally minded and inclusive perspective among the next generation.

Over the past decade, One-Forty has partnered with more than 100 companies. Chen sees this growing network as a sign that industry leaders increasingly recognize the migrant community not only as a social priority, but also as an emerging consumer group. With a large base of engaged users acting as real-world testers, One-Forty helps businesses extend corporate social responsibility into opportunities to refine their services and expand market presence.

Dismantling Stereotypes Through Cultural Exchange

Beyond supporting migrant workers, One-Forty aims to foster public understanding to reduce bias and challenge stereotypes. "Taiwanese already embrace Southeast Asian tourism and cuisine," Chen observes. "The challenge is finding ways to break through social barriers."

To address this, One-Forty has curated more than 100 cultural events, including music festivals, photography exhibitions, and culinary workshops. Recent high-profile collaborations include the "Sunshine Island Festival" with the Kaohsiung City Government—which drew 200,000 visitors in three days—and a photography exhibition hosted by the Tainan Art Museum.

Similar efforts have reached more than 500,000 participants over the past decade, serving as an ongoing social experiment in reducing stigma. Chen notes that the shift is often most visible in everyday settings: employers develop a deeper appreciation for their caregivers' cultural backgrounds, while educators increasingly incorporate Southeast Asian perspectives into their teaching. "Change builds over time," he says, "when it begins in daily life."

Raising Taiwan's Profile as a National Employer

As Japan, South Korea, and Singapore

Mantra for Success

- One-Forty has built Taiwan's largest Southeast Asian migrant learning community, reaching more than 120,000 participants. Its courses span language learning, entrepreneurship, financial literacy, and vocational skills. Through a hybrid online-and-offline model, the organization ensures nationwide access to educational resources, empowering workers to build new opportunities.
- It has also developed a regional talent pipeline for returnees by establishing a specialized non-profit recruitment platform. By matching workers with Mandarin proficiency and experience in Taiwan with Taiwanese companies in Southeast Asian countries, the initiative transforms returning migrants into a valuable talent pool.
- Through partnerships across retail, finance, healthcare, and telecommunications, One-Forty has integrated migrant support into the corporate sector. These collaborations focus on professional training, inclusive workplace design, and improved consumer experiences—extending social impact across industries.
- The organization has also led various cultural initiatives, including music festivals, photography exhibitions, and culinary events, bringing migrant communities and the Taiwanese public together. To date, these programs have engaged more than 500,000 participants, contributing to a more inclusive society while enhancing Taiwan's global profile.

compete for Southeast Asian talent, Taiwan's strategy must shift from simply securing to attracting and retaining labor. Chen identifies "national employer branding" as a key differentiator. By strengthening Taiwan's international appeal and reputation, the country can remain a destination of choice for global workers.

One-Forty helps create a virtuous cycle. When migrant workers leave Taiwan with better skills, positive experiences, and improved prospects in life, they become the country's most credible advocates.

Each year, over 100,000 workers complete their contracts and return home. Chen sees them as "seeds"—ambassadors whose experiences in Taiwan contribute to a form of grassroots diplomacy, while also raising the country's international visibility.

Over the years, Taiwan's social climate has shifted in meaningful ways. A growing number of companies, schools, and government agencies now take a more active role in addressing migrant issues. The fact that employers increasingly enroll their workers in One-Forty's programs reflects a promising sign of change.

While running an NPO presents ongoing challenges, Chen draws motivation from the tangible changes he sees in participants' lives. Many describe their time in Taiwan as one of the most valuable periods of their lives, often referring to One-Forty as a "second home."

Amid an aging population and declining birth rates, Taiwan's future is closely tied to the migrant community. One-Forty's decade of work mirrors Taiwan's transition into a more inclusive society. By reframing the "one-forty" population as partners with skills and aspirations, rather than simply a labor force, the organization has helped drive a quiet but lasting transformation. In doing so, it not only supports those who come to Taiwan, but also helps illuminate the country's own path forward.

One-Forty

2015

Launched the Migrant Business School at Taipei Main Station, aiming to empower migrant workers through education.

2017

Initiated the Book & Host Project, providing specialized learning kits and establishing online learning communities for migrant workers across Taiwan. unities for migrant workers across Taiwan.

2019

Organized the Voice of Migrants photography competition, a large-scale initiative empowering migrants to document and share their lived experiences.

2021

Developed the One-Forty CARE multilingual pandemic response bot.Expanded digital curricula to ensure continuous learning during the COVID-19 pandemic.

2022

Released the Migrant Issues Educational Kit for schools, promoting awareness of social inclusion among younger generations.

2023

Partnered with Taipei City Hospital Dementia Center to launch caregiver training programs for migrant workers, supporting Taiwan's aging society.

2024

Launched the Southeast Asian Migrant Learning App and established the Career Center, creating a talent cycle that supports learning in Taiwan and career development in migrants' home countries.
Published Taiwan's first white papers on migrant financial literacy and retail consumption patterns, promoting more inclusive practices across finance and retail sectors.

2025

Collaborated with the National Science and Technology Center for Disaster Reduction (NCDR) to produce the first migrant-focused disaster response educational series, strengthening community resilience.

40 ONE
One-Forty

- Founder & CEO | Kai-Hsiang Chen
- Awardee's Address | 13F., No. 70, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103622, Taiwan
- Time of Establishment | July 2015
- Telephone | 02-2585-2140
- Website | one-forty.org
- No. of Employees | 35

Scope Of Operation

Southeast Asian Talent Empowerment

Provides more than 100,000 migrant workers with tuition-free access to Mandarin, Taiwanese, financial literacy, and vocational training through both in-person programs and digital learning platforms.

Public Advocacy and Cultural Exchange

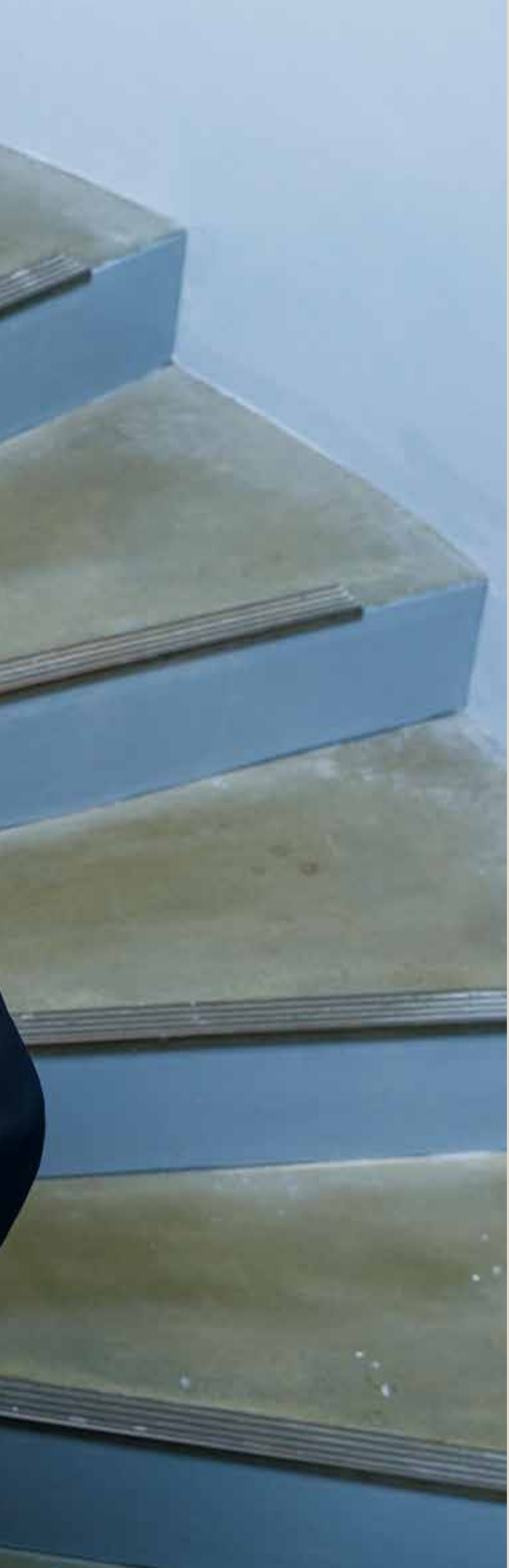
Facilitates dialogue between local communities and migrant workers through cultural initiatives such as exhibitions and music festivals, promoting greater mutual understanding.

Social Design and Corporate ESG/DEI

Develops cross-disciplinary, human-centered solutions focused on social inclusion. Supports companies in integrating ESG and DEI principles into their operations through consulting and structured education programs.

Cross-border Career Support

Operates a Career Center and regional talent database to support returnees in transitioning into professional roles in their home countries, leveraging their experience in Taiwan.



Individual Category

National Tsing Hua University

Chu-Chen Hsiao

Professor, Center for General Education and College of Humanities and Social Sciences & Director

A Cinematic Chronicle of Taiwan's Tech Rise

Since 1994, Director Chu-Chen Hsiao has used the documentary lens to bring back chapters of Taiwan's history that were nearly lost. Working at the intersection of heritage, industry, and culture, she brings specialized subjects—those that have quietly shaped the nation's path—into the public consciousness. For Hsiao, film is a way of preserving these stories and sharing them with a global audience, revealing the island's hardships, its triumphs, and its enduring resilience.

Chu-Chen Hsiao is among the few documentary filmmakers in Taiwan who can bridge the narratives of history, industry, and culture. Over a career spanning more than 30 years, she has used film to bring the island's overlooked struggles back into view, frame by frame.

Hsiao's extensive body of work often explores subjects that are overlooked or seen as niche, yet remain central to Taiwan's development. In *Red Leaf Legend*, she moves beyond the glory of youth baseball to reveal its realities. *Grandma's Hairpin* traces the displacement and nostalgia of the first generation of veterans through her father's life, while *Our Time Our Story* and *Face Taiwan* document the pioneers of New Taiwan Cinema. In *The Dreamer*, she captures the grassroots energy behind local revitalization in Chihshang, and *On the Train*—Taiwan's first feature-length railway documentary—revisits the shared memory of the railway.

Hsiao's work brings overlooked stories to light, focusing on lives and experiences often left at the margins of a changing era. By piecing together these diverse histories, she traces the patterns of Taiwan's social transformation and development, offering a clear way to understand the island's modern identity.

Chu-Chen Hsiao didn't follow the traditional path into film. After graduating with a degree in economics from National Tsing Hua University, she dove straight into documentaries in 1994. Her training in economics gave her a unique advantage: it taught her how to approach complex subjects with a logical mind, while her instinct for storytelling allowed her to connect deeply with her subjects.

For Hsiao, documentaries are a perfect way to observe society and communicate culture to a wider audience. She became the first

director to win the Golden Horse Award for Best Documentary in two consecutive years, with *Red Leaf Legend* and *Grandma's Hairpin*. She was also a pioneer who helped bring documentaries into mainstream theaters.

Bringing Semiconductors Home: "Failure Was Not an Option"

In June 2025, Hsiao reached a new milestone in her career with the release of *A Chip Odyssey*. The documentary, five years in the making and funded entirely through private support, traces how Taiwan's semiconductor industry rose from its beginnings to become a global leader.

The film returns to the 1970s, when Taiwan faced mounting diplomatic pressure alongside a global oil crisis. It shows how the government partnered with Taiwanese scientists at home and abroad to launch the island's first integrated circuit project. A group of 19 young engineers was sent to the United States to train with RCA, entrusted with the formidable task of bringing the foundations of the semiconductor industry back to Taiwan. Failure was not an option.

The film also highlights how TSMC later reshaped the industry by pioneering the world's first dedicated foundry model. This helped turn Taiwan into a global manufacturing hub and an essential player in today's technology landscape.

To make this film, Hsiao interviewed more than 80 veteran engineers and key figures across technology, policy, economics, and the environment. Through these in-depth conversations and careful historical research, she reconstructs the development of Taiwan's semiconductor industry. By capturing the decisions, beliefs, and struggles of those involved, she turns what was once a high-stakes national gamble into a shared story for the entire country.

The idea for this project came to Hsiao during a memorial service for Hu Ding-Hua, former chairman of Macronix and a leader of the original RCA initiative. Listening to first-hand accounts from the first generation of engineers, she felt a growing urgency: such a foundational chapter of Taiwan's history risked being forgotten.

A Tough Sell: Who Is the Audience?

"Can I tell this story on film? Can I show people in Taiwan that the semiconductor industry is about more than share prices and career prospects? Is it tied to our national identity?" Hsiao wondered. "I want the world to see Taiwan's value—and its very existence—through these chips."

Hsiao set out to show how the industry became Taiwan's "Silicon Shield." Her aim was to document its long path—from those first uncertain steps to its emergence as a global leader.

When Hsiao first conceived the project, few believed in its potential. Some assumed it was a government-funded publicity effort or a corporate film for TSMC. Others argued the subject was unlikely to draw a wide audience—documentary viewers are not typically drawn to technology, while tech audiences rarely attend independent cinemas. Many felt such a specialized history should be left to the


government to document.

Undeterred, her commitment to preserving this history only deepened. What began as a two-year plan extended into a five-year journey, as she navigated a shifting international landscape and worked to earn the trust of her interviewees.

"I believe hard work eventually meets the right opportunity," Hsiao reflects. Amid geopolitical dynamics, a film once dismissed as unmarketable has arrived at the right moment. Its success echoes the industry it portrays—a story of finding a way under immense pressure and thriving even in the most challenging conditions.

Box Office Success

A Chip Odyssey opened to strong box office numbers in its first week. The film set a new record with more than 1,000 private screenings, quickly becoming one of the five highest-grossing documentaries in Taiwan's history. Notably, many of the tech heavyweights featured in the film did not see the final cut until its premiere.

Before one screening, a tech CEO half-jokingly told Hsiao, "In the tech world, we focus on the present and the future. You people in the arts tend to look back." Hsiao replied calmly, "We don't just look at the past. We consider the past, the present, and the future at once."

As the screening ended and the house lights came up, Hsiao noticed the executive seated in the front row, his eyes red with emotion. When invited to speak, his tone had shifted completely. "Taiwan's semiconductor success was built on the efforts of those who came before us," he said. "The past, the present, and the future—they are all equally important."

Work Behind the Lab Matters Too

During the making of *A Chip Odyssey*, Chin-Tay Shih—a semiconductor pioneer and former president of ITRI—served as both an interviewee and a key advisor. He noted that, in the past, younger audiences often showed little interest when he spoke about the industry's history. He

> Innovation never happens within a safe zone. A documentary may be difficult to define as an industry— **it is perhaps closer to a craft—but for this very reason, it can open up endless possibilities.**
>
> Documentary Director Hsiao Chu-Chen

Director Chu-chen Hsiao (left) and NTHU Professor Emeritus Chin-tay Shih (right) in Room 508 of the Grand Hotel, where Wen-yuan Pan once drafted the strategic roadmap for Taiwan's semiconductor industry.

was struck by how the 106-minute film could make audiences laugh, cry, and leave the theater with a renewed sense of energy. Shih observed that Hsiao's effort to bring the film to life was as demanding as the original challenge of developing semiconductor technology.

Having lived through those historic moments, Shih had never paused to reflect—until now. Through Hsiao's storytelling, he came to see that the dedication of his generation has played a defining role in Taiwan's decades-long development.

As a female director, Chu-Chen Hsiao has a knack for capturing the subtleties that often go unnoticed in male-dominated narratives. In the hands of a male director, the filming of *Red Leaf Legend* might have focused on the games themselves or the development of the sport, but Hsiao looked at the children's lives once the spotlight had faded.

She brings this same inclusive perspective to the semiconductor industry. While most histories center on engineers and CEOs, *A Chip Odyssey* brings front-line female operators and accounting staff into the frame, giving them their rightful place in the industry's evolution.

"If the mission to the U.S. was only about technology, sending engineers would have been enough," Hsiao explains. "Sending accounting staff showed foresight—it meant there was a plan for business operations, systems, and long-term industrial growth."

After one screening, an accounting executive approached Hsiao to thank her. "Industrial reports always focus on engineers," she said. "Finally, someone sees that we contributed, too."

Inward Reflection and Cultural Diplomacy

A Chip Odyssey has resonated not only at home but also internationally. Screened in 18 countries, the film has prompted foreign representative offices to seek screening rights through Taiwan's Ministry of Foreign Affairs. A recent screening in Thailand drew ambassadors

from multiple countries.

"We've held screenings at leading universities such as Stanford and Columbia, and members of the U.S. Congress have attended," Hsiao says. International viewers often note that, while they were aware of Taiwan's strength in semiconductors, the film helped them better understand the challenges the island faced in becoming what it is today.

Among the many stories that have stayed with Hsiao is an email from a manufacturer in Mexico. He wrote that, while he had long been aware of Taiwan's capabilities in bicycles and semiconductors, he had never understood how such a small island had navigated a complex international landscape. He had always hoped to visit Taiwan, but now felt a strong need to come—this history of struggle, he said, was one his own country could learn from.

For Hsiao, bringing Taiwan's story to the world is no longer about personal recognition; it has become a form of cultural diplomacy. Through her work, she hopes to show the world the resilience of the Taiwanese people, while encouraging her fellow citizens to look inward. "If we don't value our own history and struggles," she notes, "we cannot expect the world to recognize our worth."

If *A Chip Odyssey* is a tribute to the pioneers of the semiconductor industry, then *On the Train* offers a more contemplative look at a largely forgotten chapter of Taiwan's railway history and local memory.

Hsiao has a talent for uncovering universal human emotions within local stories. She spent six years filming *On the Train*, capturing the final days of the South-Link Line before its full electrification. The film documents the lives of those who operate, ride, and photograph the trains, alongside the stories of the engineers who built the tracks. Even the Taiwan Railways Administration once asked why she had traveled to the island's southernmost tip for the project. For Hsiao, it is precisely because this history lies at the margins that it deserves to be seen and remembered.

Beyond the Bottom Line

In Hsiao's view, the significance of the South-Link Line extends far beyond completing

Mantra for Success

- Since 1994, Hsiao has spent more than three decades using film to preserve the defining stories of Taiwan's industry, culture, and society. Her work focuses on subjects often overlooked yet central to the country's development.
- Hsiao's innovation lies in her ability to translate complex, niche subjects into moving stories that resonate with a broad audience. *A Chip Odyssey* is Taiwan'sfirst documentary to center around the semiconductor industry. By capturing the emotions and the search for a path forward during difficult times, she successfully turned a technical subject into a shared cultural narrative.
- Hsiao has earned both critical recognition and strong box office performance. She became the first director to win the Golden Horse Award for Best Documentary in two consecutive years, with *Red Leaf Legend* and *Grandma's Hairpin*. Her films have been featured at major international festivals in Amsterdam, Yamagata, and Busan. Her recent work, *A Chip Odyssey*, further demonstrates her influence, becoming one of the five highest-grossing documentaries in Taiwan's history.
- Beyond her creative work, Hsiao is a dedicated educator at National Tsing Hua University, where she teaches documentary filmmaking, film production, and Taiwan cinema studies. As both a creator and a cultural mentor, she is committed to helping the next generation develop their own perspective on Taiwan's place in the world.

Taiwan's rail network. It stands as a testament to local ingenuity—the first major railway entirely surveyed, designed, and built by Taiwanese engineers. The film captures the challenges of tunneling through the rugged Central Mountain Range and features the final runs of the "Breezy Blue", a nostalgic symbol of a bygone era.

The film's impact was immediate, sparking renewed interest in the railway and drawing visitors even from South Korea. For Hsiao, this impact matters far more than box office rankings or social media attention. A route once seen as remote and quiet has, through her work, become a shared point of connection that transcends language and borders.

"There is a common belief that people in business and the arts live in different worlds," Hsiao notes. She adds that, while documentaries are part of the "content industry," they often remain at the margins—rich in cultural value but perceived as having limited commercial potential.

"If I focused on profit, I would never have started these projects," she says bluntly. Her focus is not on short-term revenue, but on what we leave behind—the shared memories we create for Taiwan's future. She sees cultural innovation as seeking an emotional resonance that goes beyond commercial calculation.

Building on the success of *A Chip Odyssey*, she hopes to encourage greater cross-sector collaboration. She calls on the business community to recognize that documentaries play a vital role in shaping historical narratives and deserve sustained investment. "A powerful documentary brings a sense of innovation, shared purpose, and meaning that money alone cannot provide," she says.

For Hsiao, documentary storytelling offers Taiwan a unique opportunity, even in a challenging international environment, to define a new path—one where it exports both its technology and its culture to the world.

Chu-Chen Hsiao

Bachelor of Arts in Economics, National Tsing Hua University

1994 ~ 1998

Golden Harvest Award (3 times): *Bo-Sheng, Sunny Love, and Anthurium*.

1998 *Blood Stained Youth*

Selected for the Taiwan International Documentary Biennale (TIDF), Singapore International Film Festival, and Italy' s Infinity Festival.

1999 *Red Leaf Legend*

Won Best Documentary at both the Taipei Film Awards and the Golden Horse Awards.
Shortlisted at Yamagata International Documentary Film Festival, Busan International Film Festival, and International Documentary Festival Amsterdam (IDFA).

2000 *Grandma's Hairpin*

Awarded at TIDF and won Best Documentary at the Golden Horse Awards.
Shortlisted at IDFA, Visions du Réel, Yamagata International Documentary Film Festival, Asia Pacific Film Festival, and Busan International Film Festival.

2002 & 2016 *Our Time Our Story / Face Taiwan*

Directed two landmark documentary projects on Taiwan's New Cinema movement, chronicling its key figures and historical legacy.

2023 *On the Train*

Taiwan's first documentary centered on railway culture.
Selected for international competition at the Busan International Film Festival and released in both Taiwan and Japan.

2025 *A Chip Odyssey*

The first documentary to chronicle Taiwan's high-tech industry.
Ranked among the five highest-grossing documentaries in Taiwan and released in 18 countries.

2026

Recipient of the Yang Shih-Chi Memorial Award.

Experience

- Documentary Director
- Journalist and Columnist
- Drama Producer
- Professor, Center for General Education and College of Humanities and Social Sciences, National Tsing Hua University

Distinguished Honors

- Award-winning Director: Two-time Golden Horse Award winner for Best Documentary; recipient of major honors including the Taipei Film Awards, TIDF Taiwan Award, and Golden Harvest Awards.
- 2024 | Szu-Heng Award: Recognized as a Distinguished Media Practitioner by Fu Jen Catholic University
- 2011 | Distinguished Alumna Award, National Tsing Hua University
- 2018 & 2021 | Outstanding Teaching Awards, National Tsing Hua University
- 2026 | Yang Shih-Chi Memorial Award

Individual Category

National Cheng Kung University

Jung-Der Wang

Chair Professor Emeritus

The Architect of Occupational Medicine: Jung-Der Wang's Journey to a Healthier Taiwan

Professor Jung-Der Wang has spent decades shaping Taiwan's occupational medicine and public health policy through rigorous, evidence-based research. His work spans occupational disease prevention, environmental health, and the efficient and fair allocation of National Health Insurance (NHI) resources — all grounded in real-world data analysis to generate evidence and built through collaboration across disciplines. He has helped move Taiwan from a period of neglect to a system built on research, institutional support, and greater public awareness.


大學公共衛生學系
heng K g University
ent of lic Health

A leading figure in Taiwan's occupational medicine, Jung-Der Wang has spent more than 40 years advancing the field from its early stages into a well-established national system. In 1978, he moved from clinical practice into occupational and public health, turning his attention to the effects of shift work, dusts, gases, and vapors, and chemical exposures on workers. As Taiwan's economy expanded rapidly through those decades, his research helped lay the groundwork for protecting both the workforce and the broader public.

In the 1970s, Taiwan's rapid economic growth masked a serious neglect of workplace safety. The Philco-Ford electronics tragedy—in which several young female workers died from acute liver toxicity—became a national flash point. A scientific debate followed. Experts disagreed on whether the cause was exposure to trichloroethylene and tetrachloroethane, or a combination of these solvents with viral hepatitis. Because the evidence remained inconclusive, the case was never fully resolved. Even so, the crisis prompted major policy changes. It led to the passage of the 1974 Labor Safety and Health Act and, in 1976, the introduction of government-funded scholarships to support the study of occupational medicine.

A Fateful Question: Finding Resolve in the Gospel of Matthew

A graduate of National Taiwan University's College of Medicine, Jung-Der Wang was working as an internal medicine resident at NTU Hospital when his career reached a turning point. In 1977, he received a government scholarship to study immunology abroad. But while completing the paperwork at the Ministry of Education, a chance question from a division chief changed everything.

"Why not switch to occupational medicine?" The chief's question was driven


by necessity: the previous candidate had lasted just one week. The field was considered obscure, talent was scarce, and the need was urgent. Wang hesitated — but his faith gave him direction. Guided by a passage from the Gospel of Matthew, "Whatever you did for one of the least of these……you did for me," he and his wife felt called to serve the most vulnerable. With her support, he left for Harvard to train in what was then a largely neglected field in Taiwan. What began as a step into the unknown would eventually establish him as a leading figure in Taiwan's occupational health system.

Wang recognized that while few chose this path, it was essential for Taiwan. He knew the work would involve navigating labor-management tensions and corporate secrecy, yet he took on the challenge.

Even so, Harvard made the scale of the task impossible to ignore. Taiwan's understanding of occupational health was still rudimentary, and Wang knew that pushing for change at home would not come without resistance.

At a time when Taiwan had no formal framework for occupational safety, Jung-Der Wang recognized that protecting workers required an institutional system— one that industry players could actually follow. Within the first four years of his return, he identified eight distinct occupational diseases. Remarkably, in five of these cases, neither workers nor factory owners were aware of the toxic components in the materials they handled daily. At the time, the medical community remained largely unaware of industrial health, with most physicians associating occupational illness primarily with coal miners and pneumoconiosis.

One striking case involved the wife of a chromium plating plant owner, whose nasal septum had worn through entirely. The owners could not explain the cause, let alone find a remedy. Yet uncovering the source of such conditions proved far more difficult than treating the patients themselves. "Industrial processes were closely guarded as trade secrets," Wang says. "Gaining access to factory floors and persuading owners to change their manufacturing practices was a constant struggle."

Pioneering MSDS and Industrial Reform

When talking with factory owners, Wang made it clear that his role was to identify etiological agent(s), improve working conditions, and not assign blame. "I needed to understand their operational pressures," he says. "The focus was on solving problems and improving safety, rather than criticizing them for putting workers at risk."

Wang maintained that preventing occupational illness in Taiwan was not simply

> I don't see my success as a reflection of my own talent. It's about answering a calling and following a mission, one step at a time. **I don't have the faith of Abraham, who believed in a future he would never see. But God has been kind enough to let me see some positive results of my work while I am still here, and that progress is what keeps me moving forward.**

Distinguished Emeritus Chair Professor,
College of Medicine, National Cheng Kung University

a matter of clinical staffing, but of building the right systems. The missing link was a standardized approach that made industrial chemicals traceable, manageable, and linked to diagnosable health outcomes. To address this gap, he championed the Material Safety Data Sheet (MSDS) system as a baseline for industrial compliance.

Faced with widespread corporate secrecy, Wang moved forward by building an independent occupational disease database from the ground up. He adopted a rigorous scientific approach— formulating hypotheses about potential toxins and systematically testing them to identify the true causes of illness. This evidence-based method became the foundation for his push for a nationwide MSDS mandate. He also promoted greater transparency through the use of product life cycle analysis tied to international quality and environmental certifications, such as ISO 9000, ISO 14000, and ISO 45000 series. As market demand grew and sustainability became a priority, industries gradually shifted toward manufacturing processes that were both safer and more environmentally responsible.

The shift was a collective effort involving the Ministry of Economic Affairs, labor inspection bodies, and numerous researchers. At the same time, Wang wrote a regular column for Health World magazine to explain key concepts and

developed educational materials for the Ministry of Education on recognition and prevention of environmental toxins. Over time, both government and industry began to respond.

Outpacing Japan: A Rapid Response to EU Mandates

The 1984 Bhopal disaster in India—a catastrophic gas leak that ultimately left hundreds of thousands dead or injured—served as a stark warning to the world. Determined to prevent a similar tragedy in Taiwan, Shou-Bo Zhao, then head of the Labor Inspection Institute, mobilized expert teams to overhaul chemical management across the country's pesticide plants.

At the same time, the Ministry of Economic Affairs established the Safety and Health Technology Center at Industrial Technology Research Institute (ITRI), led by scholars Shu-Wei Yu and Rong-Bin Yu, to strengthen industrial safety. The Executive Yuan later established the Environmental Protection Bureau, where Chun-Chang Li championed the Toxic Chemical Substances Control Act, extending protections from the factory floor to surrounding communities.

After eight years of advocacy, the legislation was enacted in 1993, prompting industry-wide compliance and raising chemical management and safety standards across Taiwan. Reflecting on this period, Wang recalls the many experts and researchers who made the bill possible. "Japan did not pass comparable laws until 1998," he says. "Taiwan was clearly ahead." This early foundation proved decisive in 2006, when the European Union introduced its REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) regulations, allowing Taiwanese industry to respond quickly to the new global requirements.

Beyond industrial safety, Wang also addressed broader environmental risks. He co-authored influential research on pediatric lead exposure with MIT-educated Dr. Rabinowitz. Their work established a link between lead exposure and impaired cognitive development, setting new safety standards for infants and children. This discovery helped accelerate Taiwan's move to introduce unleaded gasoline. Wang later found that lead could be absorbed through the skin, which also shed new protection light in the field.

As the occupational medicine system matured, Wang turned his attention to the sustainability of the National Health Insurance (NHI) system and long-term care systems. His approach centered on two ideas: The first one is preventing catastrophic illnesses and their complications before they occur. The other is applying health technology assessment across the full spectrum of healthcare—from prevention, diagnosis & treatment, rehabilitation, and care support to improve both cost-effectiveness and equity.

Valuing Health Expectancy: A Scientific Reframing of Healthcare Allocation

To this end, Wang devoted himself to building data-driven models to project life expectancy, costs, and productivity—work that helped shield the country from billions of direct and indirect losses. He often pointed to long-term intubation patients as a cautionary example: while life can be medically prolonged, the lack of patient recovery would often leave families facing high out-of-pocket costs for care and medical supplies.

To better quantify these burdens, Wang collaborated with Academia Sinica's Dr. Jing-Shiang Hwang to develop survival functions that underpin projections of lifetime NHI expenditure and patients' out-of-pocket expenses.

In parallel, NTU Professor Kai-Ping Yao helped adapt the WHO Quality of Life scale to the Taiwanese context. This marked a shift from a focus on life expectancy to "healthy life expectancy" (HLE), ensuring that medical decisions better reflect the real impact of illness on individuals, families, and society.

These models fed directly into policy. Huang-Hsiung Huang, a commissioner at the Control Yuan, drew on this research and, working with Dr. Sheng-Jean Huang, advanced two legislative reforms on terminal extubation, allowing patients to die with dignity while easing the burden on families. Beyond end-of-life care, this data-driven approach has enabled the NHI to direct resources where they are most needed.

Together with Dr. Chi-Tai Fang, who joined the team during the AIDS epidemic, we analyzed real-world data from the Taiwan Centers for Disease Control (CDC). In 2004, we proposed that universal free treatment was the most effective way to control AIDS — a conclusion later supported by a decade of clinical evidence from randomized controlled trials.

"Taiwan's National Health Insurance is more than a vehicle for universal healthcare," Wang says. "It is a fundamental pillar of industrial stability and economic growth." He remembers the pre-NHI era clearly: families abandoning treatment they could not afford or selling their homes for a chance at survival that rarely came. By absorbing these catastrophic costs, the NHI freed up household income and quietly supported broader economic activity.

For Wang, the credibility of this work rests entirely on data. Whether investigating occupational hazards or evaluating healthcare models, he has consistently submitted his research to international peer review because he believes evidence that shapes national policy must withstand global scrutiny.

Innovation in Labor Health: Sustaining National Economic Vitality

Because illness erodes labor productivity and, in turn, the broader economy, traditional metrics have often focused solely on the lost

Mantra for Success

He began his career in occupational medicine, dedicating decades to labor health, environmental exposure research, and disease prevention. By helping establish Taiwan's occupational medicine system, he identified and documented a range of previously "invisible" industrial and environmental illnesses. His work brought these overlooked risks to light and integrated them into national policy and institutional practice.

He applied data and evidence-based research to improve institutional systems. From advancing the Material Safety Data Sheet (MSDS) system to developing data-driven models for lifetime health outcomes, he turned complex workplace and healthcare challenges into practical decision-making tools.

He extended his work beyond academia by engaging directly with industry. Through on-site investigations of more than 100 factories, he helped reduce exposure risks and brought Taiwan's safety standards closer to global norms, strengthening the country's export competitiveness.

He placed human dignity at the center of medical research. His work spans from the introduction of unleaded gasoline and the protection of child health to support for cancer screening, universal HIV treatment, and the removal of toxic Aristolochiaceae from Chinese herbal medicines. Together with his reforms in NHI resource allocation, this body of work has become a valuable resource for both medicine and industry—continuously safeguarding lives, easing the burden on families, and supporting social welfare and economic development.

wages of those who died before age 65. The economic impact of reduced working capacity during chronic illness remained largely unmeasured. Wang, working with NCKU economics professor Fuhmei Wang, used NHI wage data to model productivity loss associated with serious acute and chronic conditions, enabling early intervention that preserves health and helps prevent labor decline.

This approach has yielded significant benefits for patients diagnosed early with renal disease, colorectal cancer, and breast cancer. The impact is also striking for people living with human immunodeficiency virus (HIV): early treatment adds 8.3 healthy life years compared with late-stage intervention, allowing individuals to remain active in the workforce.

Wang often says he hasn't invented anything new—he's uncovered value that was already there, buried in existing data and medical knowledge. Whether in occupational health, risk analysis, or NHI modeling, his philosophy is consistent: by grounding inquiry in empirical data and applying evidence thoughtfully, the solutions can often emerge—ones that help improve systems and serve the public good.

Over the decades, Wang's team's work has become a valuable resource for both medicine and industry. It has provided a scientific basis for labor protection, helping convince companies of the long-term value of preventive safety and stronger institutional systems. By using NHI data to support human dignity and promote more equitable resource allocation, his research has contributed to meaningful social change.

Looking to the next generation, Wang stresses that in the age of AI, algorithms are tools; what matters most is asking the right questions. He believes innovation becomes a force for real change only when people are willing to challenge boundaries, think across disciplines, and remain aware of the human lives behind the data.

Jung-Der Wang

Sc.D. in Occupational Medicine, Harvard University

1975 ~ 1982

Graduated from National Taiwan University College of Medicine; obtained medical licensure and Public Health Medical Officer certification; earned a Doctor of Science (Sc.D.) in Occupational Medicine from Harvard University; obtained occupational medicine specialist certification in the United States.

1993

Led the legislation of the Regulations for Labeling and Hazard Communication of Dangerous and Harmful Substances, establishing the requirement for Material Safety Data Sheets (MSDS).

2001 ~ 2004

Led a team (Drs. Y-L Guo, H-R Guo, and J-F Deng) to establish Occupational Medicine as a recognized medical specialty in Taiwan. Co-developed the Taiwan version of the WHO Quality of Life (WHOQOL) scale with Dr. G Yao. Co-proposed a universal free treatment strategy for HIV/AIDS with Dr. C-T Fang, later adopted by the World Health Organization (WHO).

2013

Contributed to amendments of the Hospice Palliative Care Act, enabling terminally ill patients to withdraw from invasive ventilation.

2014 ~ 2018

Co-worked with Legal Aid Foundation to secure a landmark Supreme Court ruling and compensation for workers in the RCA/GE Taiwan occupational cancer case.

2024

Co-developed advanced statistical methods for lifetime projection in health technology assessment with Dr. J-S Hwang; expanded the methodology with Dr. F Wang to quantify lifetime productivity loss.

Experience

- 1982–1987 | Visiting Lecturer, Visiting Associate Professor, and Associate Professor, NTU College of Medicine
- 1986–2010 | Attending Physician, Departments of Internal Medicine and Environmental/Occupational Medicine, NTU Hospital
- 1987–2011 | Professor, NTU College of Medicine and College of Public Health
- 1993–1999 | Director, Institute of Occupational Medicine and Industrial Hygiene, NTU
- 1996–1997 | Visiting Professor, Faculty of Public Health, Mahidol University
- 2002–2005 | Dean, NTU College of Public Health
- 2003–2005 | President, Taiwan Public Health Association
- 2010–Present | Chair Professor and Professor Emeritus, National Cheng Kung University
- 2010 - Present | Attending Physician and Specialist Attending Physician (after retirement), Department of Environmental/Occupational Medicine, NCKU Hospital

Distinguished Honors

- 1987 | Taiwan's Ten Outstanding Young Persons Award
- 1988–1996 | NSTC Outstanding Research Award (four times)
- 1995–2000 | Y-T Lee Outstanding Scholars Award
- 1997 | Award for Outstanding Contribution in Science and Technology, Executive Yuan
- 2001 | Outstanding Academic Award, Ministry of Education
- 2001 | Council Fellow, Collegium Ramazzini
- 2003–2006 | National Chair Professorship Award, Ministry of Education
- 2004 | National Public Health Award (Second Degree), Department of Health
- 2007–2010 | National Chair Professorship and Permanent National Chair Professorship, Ministry of Education
- 2017 | National Award of Occupational Safety and Health, Ministry of Labor
- 2019 | Medal of Merit, Asia-Pacific Academic Consortium for Public Health (APACPH)
- 2020 | Professor Emeritus, NTU , and Chair Professor Emeritus, NCKU

Youth Category

Shaw Wu

General Manager,
DATAYOO

AgriTech Without Hardware: Scaling Taiwan's Smart Agriculture Globally

Among Taiwan's new generation of entrepreneurs, Shaw Wu, Founder and General Manager of DATAYOO, stands out for his distinct approach. Trained as a data scientist, he combines analytical precision, technological expertise, and hands-on field experience to take Taiwan's agricultural technology global.


2019
AYOO

Shaw Wu's path into data science began early, well before the rise of big data. In 2004, while still an undergraduate, he took a course in data mining and was drawn to the potential of data analysis. He went on to pursue both a master's and a PhD in the field. By his senior year in 2009, he had already been recruited onto a software engineering team at a publicly listed company.

In 2011, he joined the Institute for Information Industry (III). Initially focused on consumer data analysis and cloud platform development, he later moved into client-facing work across sectors including environmental protection, criminal investigation, intelligence, and food safety. In these roles, he transformed fragmented data into predictive models to support decision-making.

"In police intelligence, we encoded behavioral patterns to analyze suspect habits and predict where they might appear, or monitored social media to anticipate criminal activity," Wu explains. "In food safety, we cross-referenced more than ten public datasets—from tax records to health and business registrations. By identifying specific company profiles, we could pinpoint manufacturers most likely to handle hazardous materials, preventing potential food safety risks before they emerged."

These experiences convinced Wu that the true value of data science lies not only in finding answers, but in building a framework for continuous prediction and repeatable decision-making.

Leaving Research Behind: Helping Farmers Transform Through Data

Despite a comfortable academic career, Wu chose to launch his own startup. Around 2016, he began developing algorithms for influencer marketing, identifying which products would generate the highest returns for specific target audiences. At the time, the industry was still in its early stages, and the term "KOL" (Key Opinion Leader) was not yet widely recognized. "Whenever I spoke with media professionals about my product, they were impressed by the technology,"

Shaw Wu promotes FarmiSpace's hardware-free approach to agricultural management across global markets.

Wu recalls, “but they had little sense of how to apply it in practice.”

Although his first venture ended in failure—largely because the technology was ahead of its time—the experience gave Wu a new perspective. He recognized his ability to anticipate trends and build solutions, and believed that when the market matured, he would be well positioned to lead.

He later joined the gov (Civic Tech Prototype Grant) program, where he connected with cross-disciplinary talent to develop a microclimate data system. By deploying sensors and cloud-based analytics, he helped build an open-source community in which scientists and engineers collaborated to analyze field conditions. The team translated complex environmental data into intuitive dashboards, enabling farmers to track weather patterns and pest activity more effectively and support their digital transformation.

Although Wu did not come from a farming background and had no particular interest in the field, he chose agriculture because it had the most fragmented and least quantifiable data. Much of farming knowledge still relies on oral tradition or intuition. For example, in aquaculture, farmers might say, “If the water turns green, the pond will collapse.” Yet no one could define what shade of green this referred to or standardize such observations.

The initial concept behind microclimate data science was to use field sensors to transmit data to a cloud platform, allowing farmers to monitor environmental conditions and pest activity on their phones. But Wu soon realized this approach would not work.

“If a farmer has NT$100,000 to invest in smart agriculture, they might spend NT$90,000 on equipment, leaving only NT$10,000 for analysis,” Wu explains. In other words, while farmers need backend analysis and decision support the most, the majority of their budget is spent on hardware.

To fix this, Wu shifted his strategy toward a more “hardware-free” approach—moving smart agriculture away from a hardware-heavy model and toward a data-driven one. “Removing equipment doesn’t mean we stop using data,” Wu says. “It means finding ways to

separate data collection from analysis, lowering the barrier to entry."

In 2018, a trip to Silicon Valley exposed Wu to capital markets and more mature startup mindsets. A subsequent trip to Indonesia made the stakes even clearer. "The farmland there is vast—a single plot can be as large as an entire city," Wu recalls. Installing sensors across such terrain would require tens of thousands of devices, while limited communication infrastructure would make data transmission difficult. Wu realized that relying on large-scale, ground-based hardware was not feasible in many regions. The solution, he concluded, lay in a data-driven approach that reduced dependence on equipment.

This shift in thinking was not driven solely by international observations. Early on, when Wu deployed sensors and weather stations, clients often demanded additional measures—such as fencing to prevent theft and nighttime patrols to safeguard equipment—leading to disputes over who should bear the costs. In other cases, clients who provided their own data for modeling later claimed it as proprietary and demanded compensation for its use. These issues complicated the cost structure and blurred the boundaries of responsibility.

Wu then pivoted his business model. To avoid conflicts over data ownership, he developed modeling capabilities that do not rely on client data, allowing DATAYOO to deliver high-precision analysis without accessing sensitive information. Instead, the company prepares its own data, while clients subscribe to the service and the models improve over time through use. Although this approach is technically demanding—requiring advanced automation and strong modeling expertise—once in place, data is no longer a barrier to collaboration. Instead, it becomes a powerful competitive advantage.

Data is King: Accuracy That Speaks for Itself

How can data be captured at scale without relying on physical sensors? When Wu founded DATAYOO in 2019, he introduced FarmiSpace, a crop monitoring system that combines satellite spectral data with AI models. By analyzing spectral signals invisible to the human eye, the system can identify field boundaries, crop types, and crop health across the entire growth cycle.

This non-contact, large-scale monitoring capability now supports 189 crop varieties, with accuracy exceeding 98%. On the global stage, FarmiSpace has established a strong competitive position. Even players such as SpaceX's Starlink, despite their extensive satellite networks,

DATAYOO has earned multiple awards in Taiwan and abroad for its breakthroughs in agricultural AI.

Wu demonstrates FarmiSpace's crop health monitoring system to a durian farmer in Malaysia.

struggle to compete in this space without comparable data modeling capabilities.

Wu recalls that a skeptic once questioned FarmiSpace's accuracy and wagered NT$1,000,000 that physical sensors would outperform the model. After three rounds of testing, FarmiSpace delivered near-zero error, turning the skeptic into a client.

Another advantage of this equipment-free approach, Wu notes, is its ability to address one of the most difficult variables in farming: human behavior. On large-scale farms, tasks such as spraying, weeding, and harvesting still rely heavily on manual labor. Workers may exploit blind spots to cut corners—for example, spraying only the perimeter or harvesting only the most visible areas—leaving crops in the field's interior unattended and reducing overall yield.

"One client told us they had tried using wearable trackers to monitor staff, only to find that forest canopies blocked the signals, creating a technical gap," Wu says. "Some workers even tied the devices to dogs to generate false data."

Drawing on these frontline challenges, Wu expanded FarmiSpace from a monitoring tool into a broader platform that tracks crops, workflows, and workforce efficiency—significantly increasing its value to clients.

Practical Success: Smart Agriculture Puts Taiwan on the Global Map

Wu and his team have taken Taiwan's smart agriculture abroad, delivering impressive results through international projects. In St. Kitts and Nevis, they improved watermelon cultivation, increasing yields by 27%. In Guatemala, they developed a growth model for broccoli that

> Innovation remains an idea until it is put into practice; real-world application defines a true solution. **Beyond localized application, DATAYOO is bringing Taiwan's agricultural technology onto the global stage.**
>
> General Manager, DATAYOO Shaw Wu

identified more effective planting windows, raising yields by 32%.

Beyond improving single-crop yields, FarmiSpace integrates weather, soil, and satellite data with existing sensors and field management systems. In 2022, the platform was used in a disaster warning project in Guatemala, integrating data from ground stations and satellite feeds across eight cities. By 2023, Wu had introduced models for corn growth and carbon sequestration, alongside precision drone management. Yields increased by over 10%, water use was reduced by half, and carbon emissions fell by an average of 560 kg per hectare.

In 2024, Wu was invited to the International Banana Quarantine Forum in Guatemala to present how FarmiSpace detects risks such as Panama Disease for Bananas (Yellow Leaf Disease). His approach was subsequently adopted by OIRSA, supporting plant quarantine and crop health monitoring efforts across Central and South America.

In 2024, Wu expanded his strategy into Southeast Asia through a partnership with the Indonesian AgriTech firm Eratani to launch satellite land monitoring and real-time data analysis. The service now covers four Indonesian provinces and reaches more than 20,000 farmers. In another collaboration with Blessed Bentara Agri, FarmiSpace supported crop monitoring across rice paddies in the Java region. Its rice blast detection results in the Karawang region achieved a 98% overlap with actual ground surveys. These successes confirm the potential of "de-equipmentization"—proving that disease risks can be tracked effectively without expensive, high-density sensor networks.

These international successes reinforced Wu's conviction: for AgriTech to be sustainable, it cannot rely on subsidies or pilot projects alone—it must be built on a viable business model.

"Agriculture is a business, not a charity," Wu says bluntly. He argues that while Taiwan's long-standing agricultural subsidies are well-intentioned, continuous financial support can hinder farmers from adopting technology in a way that contributes to a self-sustaining cycle. When technology remains free or dependent

on grants, it becomes difficult to maintain consistent use or drive ongoing improvement.

Wu believes the real value lies in building a business model that is both accessible and sustainable. DATAYOO adopts a subscription model that lowers the barrier to entry by simplifying the user experience. Instead of managing complex hardware, farmers can monitor their fields directly from a smartphone—tracking fertilization timing, nutrient uptake, and soil conditions with ease. Only when a solution is simple, affordable, and precise can advanced technology be fully integrated into smart agriculture.

Learning from the Best: Mentorship as a Catalyst for Growth

Shaw Wu's transition from data scientist to CEO was not a solo journey; he credits three key mentors for shaping his path. A senior executive from a top-five global Indonesian pineapple company taught him the fundamentals of corporate management at scale. Silicon Valley veteran Wu-Fu Chen introduced him to capital markets, offering guidance on staged growth, fundraising, and long-term corporate strategy. The Dean of the College of Bio-Resources and Agriculture provided industry insight, grounding him in both technical expertise and the realities of fieldwork.

Wu acknowledges that he is not a "born entrepreneur." Aware of the limits of his own expertise, he actively draws on his mentors to guide the company's cross-sector growth.

In just six years, DATAYOO has expanded its smart agriculture services across 32 countries, with satellite-based monitoring now covering more than two billion hectares of land worldwide. As a representative of Taiwan's private sector, Wu presented at the WTO's 9th Aid for Trade Global Review, where he shared how AI and satellite data have empowered nations across Latin America. Together, Wu and DATAYOO demonstrate how Taiwanese innovation can operate in complex, real-world environments—redefining the future of smart agriculture through industry-leading expertise.

Mantra for Success

- Moving beyond traditional hardware frameworks, Wu prioritizes a hardware-free approach over physical sensor deployment. By integrating satellite spectral data with risk modeling, he shifts agriculture from experience-based practices to precision-driven management.
- Wu translates data models into practical field applications. He has developed scalable business models to address climate variability, pest risks, and water resource management, establishing a technology-driven approach to modern agricultural management.
- Wu leverages Taiwan's technical foundation to drive international expansion. He has scaled operations across Southeast Asia and global markets, adapting his analytical models to diverse crops and environments while elevating Taiwan's profile in data science and smart agriculture.
- As DATAYOO expands globally, Wu brings Taiwanese innovation into international markets and builds trust through real-world application. By deploying smart agriculture solutions in partner countries, he has improved local management and risk assessment, laying the groundwork for cross-border technical collaboration.

Shaw Wu

Ph.D. in Computer Science, National Chengchi University

2017

Founded BEEHIVE Data (AgriWeather), spearheading R&D in agricultural micro-climate sensing technology.

2019

Founded DATAYOO, developing hardware-free AI and satellite data analytics.

2023

Honored with the National Industry Innovation Award (Individual Excellence).

2024

Established DATAYOO's Singapore headquarters to anchor expansion across the Asia-Pacific and Southeast Asian markets.
Became the first Taiwan startup to be officially listed and invited by the WTO to present innovative solutions in Geneva, Switzerland.

2025

Ranked among the Global Top 5 at the Entrepreneurship World Cup.
Secured the Gold Medal of the Best AI Awards from the Ministry of Economic Affairs (MOEA).

2026

Awarded the Gold Prize for IMV Tech Innovation in Business Weekly's AI Innovation Top 100.

Experience

- Directed the R&D and international rollout of the FarmiSpace platform, successfully entering markets in Singapore, Indonesia, Malaysia, and Central America.
- Launched the first FarmiSpace in Singapore at the end of 2023.
- Positioned as a leading precision agriculture AI firm with official government recommendations from both Singapore and Thailand.
- Achieved ISO 9001 international quality management certification.
- Secured recognition from the AVPN as a high-impact technology enterprise.
- Invited to speak at intergovernmental forums and international agricultural summits.

Distinguished Honors

- Listed by the WTO to represent Taiwan startups.
- Selected as one of the Top 100 Taiwan Startups by Business Today and the Venture Capital Association of Taiwan.
- DBS Foundation Grant: Recognized as one of 19 Asian enterprises driving social and environmental impact.
- 2021 | InnoVEX Qualcomm Innovation Award.
- 2023 | 8th National Industry Innovation Award | Individual Excellence.
- 2024 | Singapore Agri-Food Tech World Championship.
- 2025 | Entrepreneurship World Cup: Global Top 5.
- 2025 | MOEA Best AI Awards: Gold Medal.
- 2026 | Business Weekly AI Innovation Top 100: IMV Tech Innovation Gold Prize.


總統創新獎
Presidential Innovation Award

Design Philosophy

This trophy is crafted from Hualien Serpentine Marble.
White veins run quietly through the deep green,
Like mist drifting over the ridges of Jade Mountain,
Leaving behind the silent footsteps of time.

Rising 3,952 meters high
At 23.4700° N and 120.9575° E,
Jade Mountain has for ages gazed upon the island's genesis and transformation,
Witnessing the history written together by the people and the land.

The grain of the stone is the brushstroke of time;
The lines of the strata are the memory of the earth.
Upon this steadfast, heavy stone,
We embed a streak of metallic light—
A rational trace traversing the natural grain.

The matte texture reflects a faint glimmer,
Mirroring the progression of thought through the unknown.
It symbolizes Taiwan's innovation: unpretentious yet steadily advancing—
Precise and restrained, yet constantly breaking boundaries
To gather world-changing energy within the smallest details.

It is the distant flow of mountain rivers and the source of innovation.
The confluence of stone, metal, and wood
Forms a quiet yet firm balance:
Nature bears the foundation;
Innovation points toward the future.

It is at once a mountain and a spirit.
Rising in layers, its purpose lies not in conquering height,
But in the persistent will to ascend.
This trophy is dedicated to the pioneers.

Presidential Innovation Award 1st ~ 6th Winner List

1st

Group Category
- U-Theatre Culture & Arts Foundation
- Industrial Technology Research Institute

Individual Category
- Franz Chen
  Founder and CEO of Franz Colllection

Youth Category
- Yu-Chen Yu
  General Manager of Wellsey International IP Consulting Co. Ltd.

2nd

Group Category
- Taiwan Semiconductor Manufacturing Co. Ltd.
- Fiscal Information Agency, Ministry of Finance

Individual Category
- Benson Yeh
  Professor, Electrical Engineering Department of the National Taiwan University
- Jung-Ya Hsien
  Chairman, GIXIA Group

Youth Category
- Hsin-Ling Shen
  e-Business Chief Operating Officer, Futai International

3rd

Group Category
- Delta Electronics Inc.
- Pili International Multimedia Co., Ltd.

Individual Category
- Sheng-Yuan Huang
  Founder and Principal, Fieldoffice Architects

Youth Category
- Ting-An Wu
  Chairman's executive assistant and CDO, Spring Pool Glass Industrial Co., Ltd.

4th

Group Category
- Taiwan Design Research Institute

Individual Category
- Sheng-Jean Huang
  Superintendent of Taipei City Hospital

Youth Category
- Chien-Fu Kuo
  CEO of GOGOLOOK Co., Ltd.

5th

Group Category
- Junyi Academy Foundation
- Water Resources Agency, MOEA

Individual Category
- Mi-Ching Tsai
  Chair Professor of Department of Mechanical Engineering, National Cheng Kung University
- Miin-Chyou Wu
  Macronix Chairman & CEO of Macronix International Co., Ltd.

Youth Category
- Ming-Che Sung
  Firefighting Inventor of Changhua County Fire Department

6th

Group Category
- E Ink Holdings Inc.
- Bora Pharmaceuticals Co., Ltd.
- Zeczec Co., Ltd.

Individual Category
- Burn J. Lin
  Distinguished Research Chair Professor of National Tsinghua University
- Keng-Ming Liu
  Creative Director of Bito

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