ADVANTECH

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Advantech's corporate citizenship strategy

Advantech applies its core competencies in IoT technology to support IoT education and various innovative sustainable education initiatives over the long run, aiming to transform children, adolescents, and youth in Taiwan into environmentally conscious global citizens. In particular, Advantech Foundation's actions correspond with four United Nations Sustainable Development Goals (SDGs), including SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry, Innovation and Infrastructure), and SDG 17 (Partnerships for the Goals).

In the areas of social investment, education, and cultural philanthropy, Advantech promotes sustainable education and public aesthetic literacy. Aside from investing in educational innovation and launching sustainable education programs in elementary and secondary schools, the Company also supports private educational platforms in advancing project-based learning (PBL). Furthermore, Advantech continues to invest resources to assist vocational schools and arts and cultural groups in nurturing high-caliber artistic talent. By vigorously promoting public aesthetic literacy and enhancing the development of the arts and cultural industry, we aim to strengthen Taiwan's artistic soft power.

Medium- and long-term goals

Guided by "Advantech's core value of 'altruism,' the Advantech Foundation envisions promoting the development of intelligent and happy communities. Through the engagement of corporate stakeholders, the Foundation promotes three major development themes: 'building IoT industry-academia co-creation,' 'enhancing children and youth's sustainability awareness and action,' and 'advancing the shared prosperity of businesses and the arts.' This serves to fulfill Advantech's role in Enabling an Intelligent and Sustainable Planet, striving to become a brand characterized by truth, kindness, and beauty."

The Foundation's core value is to "promote the sustainable development of technology and humanities communities through quality education." Its mission is to foster balanced social progress by cultivating talent that integrates technological advancement with humanistic values. By continuously tapping into Advantech's core competencies and resources, the Foundation systematically advances its goals, which focus on four key areas including "IoT Industry-Academia Cooperation," "Innovative Sustainable Education," "Shared Prosperity Between Arts, Culture, and Enterprises," and "Charitable Support for Rural Communities". All

projects are reviewed and approved by the Board of Directors. Depending on the nature and relevance of each initiative, stakeholders, including community members, employees, customers, and partners, are invited to participate, fostering a shared understanding and amplifying the overall impact.

In 2024, the Foundation continued to strengthen international industry-academia cooperation, student sustainable education, and cultural ESG initiatives. By integrating technology, education, and culture, the aim is to foster the shared prosperity of technology and the humanities, contributing tangible actions toward global sustainability.

Overview of Foundation Social Welfare Expenditure in 2024

Expenditure type	Arts and culture	Industry- academia	Education	Public welfare	Total	Percentage
Charitable donations	-	-	-	\$ 8,438,520	\$ 8,438,520	8%
Community/community investment	\$ 10,245,952	\$ 7,995,000	\$ 4,810,000	\$ 10,874,723	\$ 33,925,675	33%
Business initiatives	\$ 10,552,751	\$ 40,550,133	\$ 8,119,174		\$ 59,222,058	58%
Total	\$ 20,798,703	\$ 48,545,133	\$ 12,929,174	\$ 19,313,243	\$ 101,586,253	100%

Analysis of Foundation Expenditure Projects in 2024

Form of expenditure	Arts and culture	Industry- academia	Education	Public welfare	Total expenditure
Cash donation	\$ 20,174,742	\$ 47,088,779	\$ 12,541,299	\$ 18,993,452	\$ 98,798,272
Volunteer fees	-	-	-	\$ 319,791	\$ 319,791
Item donation	-	-	-	-	-
Administrative and marketing expenses	\$ 623,961	\$ 1,456,354	\$ 387,875	-	\$ 2,468,190
Total	\$ 20,798,703	\$ 48,545,133	\$ 12,929,174	\$ 19,313,243	\$ 101,586,253

List of social welfare expenditures in the past four years

Expenditure type	2024	2023	2022	2021
Charitable donations	\$ 8,438,520	\$ 23,295,775	\$ 7,476,680	\$ 30,976,102
Community/community investment	\$ 33,925,675	\$ 23,017,605	\$ 30,115,185	\$ 24,675,636
Business initiatives	\$ 59,222,058	\$ 59,118,535	\$ 54,460,140	\$ 21,206,083
Total	\$ 101,586,253	\$ 105,431,915	\$ 92,052,005	\$ 76,857,821



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6.1

Innovative sustainable education and the Mutual Prosperity of Arts and Industries

Advantech's mission is to "Enable an Intelligent and Sustainable Planet." Therefore, we all regard it as our responsibility to promote environmental sustainability, encourage innovation, energy, education and sustainability, enhance the development of arts and cultural industries, and foster talent cultivation so that arts and businesses can coprosper with cultural sustainability.

1. Our topics of concern:

- Promotion of Sustainable Development Goals (SDGs)-related topics
- Problem-based learning (PBL) teaching model
- Demonstration of diverse learning processes
- Development of arts and cultural industries
- Cultivation of creative talent
- Improvement of humanistic quality

2. Goal to achieve/problem to address:

- Increase awareness of and engagement with the SDGs
- Promote PBL applications and innovations in teaching models
- Promote diverse learning experiences and expressions in education
- Facilitate the sustainable development of the arts and culture sector and cultivate relevant talent
- Cultivate creative talent, promote humanistic values and cultural literacy

3. Our role:

- As a social advocate and trailblazer, we are dedicated to promoting social responsibility and sustainable development in the fields of education and culture
- As a sponsor and supporter, we support the development of various innovative educational and cultural programs
- As an educator and mentor, we cultivate public awareness and interest in sustainable development and humanistic literacy through our activities and projects

4. Our methods:

- Provide funds to support innovative educational and cultural projects, encourage creativity, and cultivate talent
- We host cultural activities such as performances, exhibitions, salons, and workshops to provide platforms for exchange and learning, while promoting development and collaboration within the arts and cultural sector
- Recording of audiovisual content to convey core messages and cultural values to the public
- Frequent communication and cooperation with schools and cultural institutions to promote the development of educational and cultural undertakings

5. Our strategies:

- Actively engage in sustainable education and integrate the SDGs into practical actions and teaching
- Support and promote innovative education, including problem-based learning and diverse learning experiences
- Promote the development of arts and cultural industries and improve humanistic attainments by organizing various cultural activities
- Collaborate with professional organizations to foster and support the growth and development of creative talent
- Widespread publicity and promotion to raise social awareness and engagement in sustainable development and cultural undertakings

6. Our actions:

- Participate in various educational and cultural activities to demonstrate our commitment to sustainable development and cultural undertakings
- Encourage employees to participate in volunteer services and social welfare activities to foster the spread of positive energy and contribute to social development
- Establish a platform for cross-sector collaboration and collaborate with businesses, academia, and non-profit organizations to jointly promote sustainable development and the development of cultural undertakings
- Constantly assess and adjust our action plans to ensure their effectiveness and sustainability, and to respond to social and market needs and changes promptly





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Table 6.1.4 Sustainable strategy development directions: Promoting the sustainable development of technology and humanities communities through quality education

Strategic theme	Development direction	Expected social impact
Sustainable education (ACT Education Campaign & PBL Innovation Education)	Promoting PBL (Project-Based Learning) in elementary and secondary schools across Taiwan, integrating SDG issues, and through the ACT education campaign, enabling students to learn through action.	Bolster environmental education: We aim to create over 100 sustainability action projects initiated voluntarily by students to promote eco-friendly actions on campus.
Mutual prosperity of arts and industries (ESG for culture & corporate art collaboration and development)	Establish a co-creation mechanism for the corporate and arts sectors, nurturing performing arts groups through sponsorships and partnerships to promote the concept of ESG for culture.	Sustainable development of culture: Sponsor multiple performing arts groups and enhance the cultural literacy of our employees and the general public to foster the sound development of the arts ecosystem.

Foundation impact analysis

SDG 12: Responsible Consumption and Production → Sustainable Education

ACT education encourages students to engage in practical sustainability learning, such as promoting food waste recycling and low-carbon living through school gardens and community activities.

SDG 13: Climate Action → Sustainable Education

Students design low-carbon, green, and eco-friendly actions through PBL projects.

SDG 8: Decent Work and Economic Growth → Mutual prosperity of arts and industries

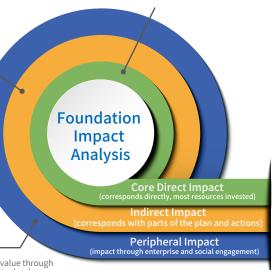
- Nurture performing arts groups by leveraging corporate resources to advance the arts sector, thereby fostering mutual development between culture and the economy. The "Foundation" recorded 5,502 participants in arts and cultural appreciation activities in 2023 and 6,020 participants in 2024.
- Cultivate talent in technology and the arts to provide students with opportunities to pursue careers in the business and cultural sectors.

SDG 17: Partnerships for the Goals → Mutual prosperity of arts and industries

Enable businesses and arts groups to co-create value through cross-sector collaboration between culture and technology, thereby promoting industrial and social development.

SDG 4 : Ouality Education→Sustainable Education

 ACT education promotes project-based learning (PBL) in schools, encouraging students to solve sustainability issues and build self-learning abilities.
 Through collaboration with enterprises, schools, and communities, better educational resources and



opportunities are provided.

6.1.1 Innovation sustainable education

Advantech Foundation has long been concerned about the innovation and development of education, encouraging the creation of a learner-centered learning model. In conjunction with Advantech's commitment to a sustainable future, we promote sustainable education and utilize the PBL learning model to pave the way for a better future for children, adolescents, and young people in Taiwan. The Company is committed to cultivating future talent through the promotion of various projects, including:

- ACT Dreamers: See "Project Highlight" below for details.
- Sponsor high-quality and sustainable education units: Fun high-quality education teams such as the Junyi Academy, Chengzhi Educational Foundation, Yingguang Education Association, and EDU-Inno Hub's educational programs. Additionally, sponsoring innovative education initiatives like DFC Taiwan, Pley School, and the Hsin Kang Foundation of Culture and Education.

Taiwan's ACT Education Campaign promotes innovative educationin elementary and high schools by utilizing the PBL model to implement the SDGs.

In 2020, the Advantech Foundation launched the "ACT Dreamers" project, investing in innovative educational models to inspire the limitless potential of learners. In 2022, the project underwent a comprehensive enhancement, incorporating Project-Based Learning (PBL), which empowers students to explore, collaborate, and solve real-world problems. This approach fortifies their understanding of and engagement with the United Nations Sustainable Development Goals (SDGs), nurturing future citizens with global perspectives and social responsibility. Through resource investment and systematic training, the Foundation is committed to fostering a creative and action-oriented learning environment. This allows students to learn through handson practice, tackle real-world challenges through critical thinking and collaboration, and deepen their sustainability awareness throughout the project process, ultimately shaping them into influencers of positive global change.

The ACT Dreamers project requires that all student proposals address specific SDG targets and be carried out using a project-based approach, thereby cultivating the skills and attributes necessary for global citizenship. From topic exploration and research design to action planning and outcome presentation, the entire learning process unfolds in real-world contexts. Through inquiry and hands-on practice, students cultivate systems thinking and decision-making skills. Working in teams, they gain firsthand experience in problem-solving and discover the value of social engagement. To enhance learning effectiveness, the Foundation is strengthening the PBL teaching system by introducing mutual empowerment courses for teachers and students, providing educators with training in innovative teaching methods while helping students analyze the SDGs and apply their learning outcomes to real-life topics.



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ACT solicits Advantech employees to serve as industry mentors on campus, engaging in face-to-face discussions with students to impart practical knowledge and logic. This facilitates students discussing various issues in greater depth. The student organizations are dedicated to addressing a wide range of concerns, such as the environment, health, ecology, local revitalization, education, and community service. The foundation aspires to foster sustainability action among students by encouraging them to develop concern for society and the capacity and initiative to resolve issues through this endeavor.

In 2024, we continued to promote the program in various schools and participated in on-campus presentations. At the end of the semester, representative teams from 33 elementary and junior high schools were invited to the Advantech AloT Co-Creation Campus to join 4 cross-school sharing sessions. Also, in December, we hosted the 2024 annual conference, "Sustainability Action! Collective Good Action," at Songshan Cultural and Creative Park. A total of 71 schools took part in the event, presented under three key themes: "Environmental Sustainability, Humanitarian Care, and Local Revitalization." Through concrete actions, students were able to engage with real-world issues and showcase their sustainability initiatives.

To understand and measure the social impact of Advantech's ACT Education Campaign, the Foundation commissioned a third-party consulting firm to analyze the Social Return on Investment (SROI) of the Foundation's ACT Dreamers program. Using the third ACT (September 2022 to December 2023) as the evaluation subject, stakeholder feedback was collected through qualitative interviews and quantitative questionnaires. The SROI for the ACT program was determined to be 6.14, meaning that **for every NTD 1 invested in the third ACT Education Campaign, roughly NTD 6.14 of social value can be generated.**

Project investment:

Financial contributions accounted for 81% of the total investment, while time contributions made up the remaining 19%, resulting in a total input cost of NTD 5.887.668.

Stakeholders

- ◆ Tier 1 direct impact: The main beneficiaries of the Advantech Foundation's funding during the third ACT Dreamers program (students and teachers).
- ◆ Tier 2 internal indirect impact: Advantech employees acted as volunteers for the third ACT Dreamers Program.
- ◆ Tier 2 external indirect impact: Individuals (students and teachers) who were not directly funded or contacted by the Advantech Foundation but were invited to participate in the annual conference activities through our partners.

Project Analysis Results

◆ SROI = NTD 6.14, meaning that for every NTD 1 invested, NTD 6.14 of social value can be generated.

According to feedback from teachers and students, the ACT program achieved nearly 100% of its intended objectives. Building on this success, we will continue to enhance the "scope of perspective and depth of topics," "diverse stakeholder engagement," and "mechanisms for physical interactions." This will allow the practical experience of PBL (Project-Based Learning) to be disseminated, strengthened, and realized, further amplifying the overall impact of the ACT Dreamers Program.

Project Spirit & Goals

Action Creativity Teamwork

Give children courage and the ability to collaborate to accomplish meaningful projects.

Awareness / Attitude

- 100% of students responded that the project increased their awareness of sustainability (e.g., UN Sustainable Development Goals (SDGs) and environmental consciousness)
- 100% of students responded that the project made them care more about social issues
- 100% learned how to express their thoughts clearly when communicating with others
- 100% took initiative in problem-solving when encountering difficulties
- 100% understood the importance of time management and planning
- 94% became more confident and willing to try new things and learn

Action

- 100% showed increased concern for social issues and were willing to take actions to address sustainability challenges
- 100% learned to respect and understand others' opinions and how to collaborate with others
- 100% took initiative in solving problems and became active learners, hoping to improve themselves
- 100% reflected on how to improve their proposals and event planning, and actively participated in planning tasks
- 94% improved in expressing and presenting content more clearly through repeated practice and refinement



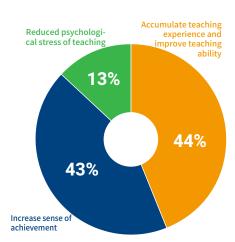
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Proportion of outcome value contributed by teachers

Feedback from teachers, students, and corporate volunteers demonstrates the impact of the ACT Dreamers Program in educational settings. It not only enhances learners' competitiveness but also encourages corporate involvement in social impact initiatives. 44% of teachers believed the program helped them accumulate teaching experience and enhance their teaching abilities, 43% gained a strong sense of achievement from their students' growth, and the remaining 13% reported that the program mitigated their teaching pressure.

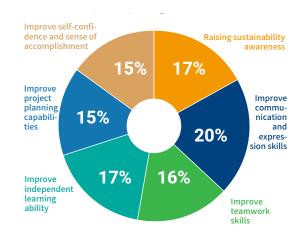


"It is gratifying to witness students grow in teamwork, topic awareness, time management, and public speaking. I am grateful to the Advantech Foundation for providing a collaborative and shared learning platform for teachers and students."



Proportion of outcome value contributed by students

Students benefited from diverse skill enhancement through the Project-Based Learning (PBL) model during project implementation. 20% of students indicated a significant improvement in their communication and expression skills, 17% gained a better understanding of self-directed learning and sustainability awareness, 16% improved their teamwork abilities, and 15% increased their project planning skills and self-confidence.

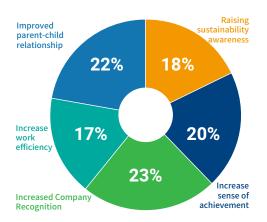


"Having been involved with the ACT Dreamers Program since 5th grade, the concept of SDGs has had a profound impact on me. I hope this meaningful initiative will be continued so that more people can engage in global sustainability efforts."



Proportion of outcome value contributed by volunteers

The involvement of corporate volunteers also creates mutual value. Participating in the program not only allows them to directly participate in educational innovation but also fosters a strong sense of social engagement for individuals and the Company. 23% of corporate volunteers stated that participating in the program increased their sense of belonging to the Company, 22% felt it improved their parent-child relationships, 20% experienced a strong sense of achievement during the process, 18% increased their understanding of sustainability topics, and 17% believed the program helped improve their work efficiency.



"The ACT Program encourages students to examine issues from diverse viewpoints and strengthens their grasp of sustainability. This approach is not only a growing trend in education but also a preferred model of social investment for enterprises."





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Through this survey, teachers, students, volunteers, and partner organizations also offered their feedback on participating in the ACT Program:

Participant category	Feedback content
Students	 Having been involved with the ACT Dreamers Program since 5th grade, the concept of SDGs has had a profound impact on me. I hope this meaningful initiative will be continued. I hope to continue participating in the program to improve my personal abilities and contribute to the environment. Unlike feedback received within the school, the valuable suggestions from the judges help with learning and adjusting project presentations.
Teachers	 It has a positive impact on the teachers and students. Students learn how to manage time, engage in teamwork, and assist others. We have observed that students are beginning to care about their surroundings and actively offer help to others. Although they may seem hesitant at first, students have exhibited great enthusiasm throughout the process. Their transformation from nervousness to self-confidence is truly inspiring. After participating in the activities, students have demonstrated considerable growth in areas such as teamwork, topic awareness, time management, and thinking through implementation procedures. Their oral communication skills have also improved.
Corporate volunteers and partners	 Enhance understanding of sustainability topics by exploring issues from different perspectives. Thanks to the Advantech Foundation, there have been improvements in project planning and execution. It was a pleasure working with them. Advantech is willing to invest resources to create positive change in the education sector. We share the same vision and values as the Advantech Foundation, which has facilitated our partnership.





In 2024, the "ACT Dreamers" Program reached out to 14 municipalities and 46 schools. In 2025, it will continue to expand its influence, promote more diverse cross-sector collaborations, align learning with the real world, and formulate sustainability actions in educational settings to promote social change.

List of ACT Dreamers partner schools in 2024 (46 schools)





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Linked SDG	Driving force	Theme	Investment and output
→ Introduce the PBL model in elementary and junior high schools to encourage students to resolve sustainability issues in their daily lives, such as food waste, energy conservation, and animal protection.	• Support diverse	Promote sustainable education and organize "ACT Dreamers"	 Sponsored 46 elementary and junion high schools to implement the ACT Dreamers project and facilitated over 60 presentations in schools. Four cross-school sharing sessions were held, with participation from over 500 teachers, students, and parents. Organized large educational annual conferences to showcase 78 learning outcomes, with participation from more than 1,000 people. The Foundation has invested more than NTD 8.7 million.
The state of the	◆ Support diverse and innovative education, improve learning effectiveness, and encourage the implementation of a learner-centered education model. ◆ Cultivate global citizens with sustainable Earth awareness for Taiwan.	Sponsoring quality sustainable education platforms	 The Company sponsored and cooperated with the Company to promote the "PBL Teaching Impact Promotion Program" and set up a special section to share PBL teaching resources, making them free for educators to use. Sponsored the Yingguang Education Association to promote the "ESD and PBL Model School and Teacher Empowerment Program." In 2024, the program assisted 144 elementary, junior high, and senior high schools across Taiwan, with 611 on-site support visits. Collectively, the schools produced or optimized over 230 courses, with at least 142 of them integrating SDGs and PBL-related topics. Funded the Taiwan Youth Creative Action Association (DFC)'s 2024 "DFC Challenge Sharing Season." Supported the DFC Taiwan team's participation in the "2022 DFC I Can Global Children's Summit" in Dubai, sharing creative challenge stories from Taiwanese children and facilitating exchanges with children from other countries. Sponsored the Pley School sustainable board game project to train teachers in using board games to introduce students to the SDGs. The total funding exceeded NTD 4.2 million.

6.1.2 Mutual Prosperity of Arts and Industries

Inheriting and developing traditional culture and art education

- ◆ Promote arts and culture, and shape a society with mutual prosperity of arts and industries:
 - The Company supported performing arts groups by organizing the "Art Salon" and sponsoring several high-quality Taiwanese performing arts teams.
- Produced and aired the "Relaxed Listening on Arts and Culture" podcast, featuring artists, curators, authors, and performers introducing performances, new books, films, exhibitions, and cultural events.
- Promoted interdisciplinary art, held diverse exhibitions at Advantech galleries, and hosted Advantech Junior Painting Competitions.
- ◆ Supported the cultivation of young talent in elite art industry programs:
 - Sponsored the NTNU-Graduate Institute of Performing Arts]

The NTNU-Graduate Institute of Performing Arts is currently the only department among Taiwan's top universities dedicated to the development of Mandarin musicals. The "Musical Theatre Elite Talent Cultivation Program" aims to nurture outstanding musical theatre performers through a structured curriculum that features domestic and international performance training. This program enhances the professional capabilities of performing arts talent and contributes to the sustainable growth of the performing arts industry and ecosystem.

[Sponsorships for the National Taiwan College of Performing Arts]

Since 2015, Advantech has continuously supported the National Taiwan College of Performing Arts by sponsoring the Department of Acrobatics' graduation performances and the Peking Opera troupe and acrobatics troupe to advance their skills. The purpose is to expand performance opportunities for students engaged in traditional arts and culture and to enhance the visibility of traditional opera. To encourage students with exceptional talents to persist in their artistic pursuits, the Company sponsored the Department of Acrobatics in establishing the "Advantech Elite Award" scholarship to recognize outstanding students.

Sponsored the GuoGuang Opera Company

To address the shortage of Peking Opera talent, the "Youth Talent Cultivation Program" focuses on providing key training to promising young individuals. This program targets, recruits, and cultivates emerging talent from the current regular members and reserve members of the GuoGuang Opera Company, as well as students from the National Taiwan College of Performing Arts.

Sponsored the National Culture and Arts Foundation

The "Young Stars New Vision" program selects three artists under the age of 35 for creative presentations and itinerant workshops every year, fostering creative talent and promoting the arts at a grassroots level.



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Linked SDG	Driving force	Theme	Investment and output
		NTNU Graduate Institute of Performing Arts' Musical Theatre Elite Talent Cultivation Program	 Sponsored the NTNU Graduate Institute of Performing Arts' "Musical Theatre Elite Talent Cultivation Program," which supported 7 emerging talent and hosted 5 performances and promotional events in 2024, attracting over 1,100 attendees. Annual funding amounted to NTD 1 million.
8 (consistion) → Support the development of the arts and	Passing on and promoting traditional cultural arts education, fostering the cultivation and succession of young talent.	Youth Development Project of National Taiwan College of Performing Arts	 "Advantech ABLE Elite Award": A total of 16 people won the arts scholarship. Sponsored public performances by the Department of Acrobatics and the acrobatics troupe. Total sponsorship funds exceed NTD 2.6 million.
culture industry through corporate resources to foster artistic talent and generate opportunities for collaboration between the arts and the business sector.		Youth Talent Cultivation Program of GuoGuang Opera Company	 A total of 401 performances and promotional activities were held in 2024, with classic repertoires passed down from the teaching staff. Cultivated 14 young talented people (including actors, wardrobe/props managers, technicians, etc.) to learn traditional craft and heritage. These individuals were given the opportunity to showcase their skills as lead performers and serve as key production staff in the annual performance series. Annual funding exceeded NTD 2.7 million.
→ Promote urban aesthetics through cultural and artistic activities, enhancing social and cultural literacy, enriching corporate culture, and fostering a sense of belonging within the community.		National Culture and Arts Foundation's Young Stars New Vision Program	 Sponsored the "Young Stars New Vision" program, funding three young artists to hold eight ticketed performances across Taiwan. Furthermore, 15 campus workshops were conducted countrywide to reach over 500 teachers and students. Annual funding amounted to NTD 500,000
To recommend. → Foster collaboration among businesses, academic institutions, and cultural groups to integrate art, education, and technology, thereby generating greater social impact.	Advanced the development of the arts and cultural industries by supporting high-quality performances, encouraging arts and culture troupes, training cultural readers, and promoting nationwide aesthetic literacy education.	Promotion of diverse arts and cultures	 Supported nearly 140 performances by arts and cultural troupes. Attracted over 6,000 audiences to the theater performances. The podcast "Relaxed Listening on Arts and Culture", produced and aired by Advantech, had released 114 episodes by the end of 2024. It attracted 54,026 listeners and featured a total of 94 performances, 15 exhibitions, 10 films, 13 books, and 13 types of cultural events. Sponsored the musical "Don't Cry, Dancing Girls" by VMTheatre Company for its 2025 Broadway performance in New York. Inviting artist Paul Chiang and artist AKIBO (Li, Ming-tao) to hold 2 Advantech Gallery exhibitions. Invested over NTD 10 million.





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6.1.3 Community and Community Empowerment

Support potential athletes and sponsor training equipment and related funds

In recent years, our athletes have continued demonstrating excellent results in international competitions, and many national team members have expressed a desire to apply their experience and skills to nurture the next generation of athletes. Advantech is willing to sponsor promising athletes, fostering future national athletes while also increasing employee awareness of national sports events and activities.

Driving force	Theme	Social/environmental impact and performance
Help athletes become competitive in international competitions	National Athlete Heritage Program	Sponsored the training expenses of five young athletes in hurdles, judo, wrestling, baseball, and basketball, with a total investment of over NTD860,000.

Sponsored athletes in 2024

Area of expertise	Name	Competition results
Judo	Lin, Chen-hao	2024 Paris Olympics women's judo 48kg round of 16
Athletics (middle- distance)	Chou, Hsin-chen	 2024 Taipei City Spring National Track and Field Open Championships Open Men's 1,500 meters: First Place 2024 New Taipei City National Youth Cup Track and Field Open Championships Open Men's 1,500 meters: Second Place
Wrestling	Lin, Yung- hsun	Selected as a national wrestling team member in 2023
Baseball	Lo, Po-yen	◆ The Affiliated Tao-Yuan Agricultural & Industrial Senior High School of National Taipei University of Technology Youth Baseball Team ◆ Third Place in the 9th Taoyuan Cup Baseball (Youth Baseball Division)







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6.1.4 Advantech Global Project Highlight

Taiwan "Altruism Scholarship"

Upholding the founder's altruistic philosophy of "giving back to society," the Foundation established the "Hsinchu/Miaoli Rural Care Scholarship" in 2013. Originally established to support underprivileged students in Miaoli, the program has evolved over the past decade to provide scholarships to outstanding underprivileged elementary and junior high school students in Hsinchu and Miaoli. Recipients are nominated by school teachers based on their overall performance in conduct and academics. In 2024, this benevolence was extended to Nantou, and the scholarship was renamed "Altruism Scholarship" to support the diverse development of difficult families and disadvantaged students, helping them find hope in life and transform their interests and talents into keys that open doors to a brighter future. Starting from elementary school, the scholarship nurtures students like saplings, planting seeds of kindness in their hearts. As they grow stronger and more resilient, they blossom into altruistic individuals whose branches extend to protect others, fostering an ecosystem of altruism. Every year, we invite scholarship recipients to complete a feedback form through their schools. In their responses, we often see heartfelt messages, adorable illustrations, and handmade cards, signifying that the spirit of altruism and gratitude has already begun to blossom within them.



China "Carbon Journey in Nature: A Sustainable Learning Experience from Home to the Outdoor"

The Advantech China "Carbon Journey in Nature" family day event was held concurrently across six cities

In 2024, Advantech China held its family day event concurrently across six cities (Shanghai, Beijing, Shenzhen, Guangzhou, Xian, and Kunshan) under the theme "Carbon Journey in Nature," attracting enthusiastic participation from over 800 Advantech employees and their family members. With nature as the classroom and family as the starting point, the event applied hands-on experiences to raise internal awareness, encourage biodiversity initiatives, and strengthen the Company's commitment to ESG-related environmental sustainability.

• Step into nature and apply empathy to raise environmental awareness

This event emphasized the core concept of "nature empathy," inviting participants to explore fields and valleys, ancient towns and forests, and urban green spaces to closely observe the interaction between living creatures and human activities. From Shepherd Valley in Beijing to Chenlu Ancient Town in Xian, from Luofu Mountain in Guangzhou to Guangming Science Park in Shenzhen, and further to the animal farm in the Shanghai suburbs and the ecological park in Kunshan, the six major cities each showcased their unique natural landscapes, allowing employees and their family members to recognize the surrounding ecological environment via diverse perspectives.

• Parent-child co-learning fosters a heightened perception of ecological systems

The activity design focused on parent-child interaction and exploration experiences, allowing participants of different age groups to find ways to connect with nature:

- In Guangzhou, by understanding the medicinal herbs of southern Guangdong and its cultural memories, we convey the wisdom of the land and its connection to life.
- In Kunshan and Shanghai, children observe animal habitats and behaviors on the farm to learn how to create eco-friendly spaces.
- In Xian and by the Yangcheng Lake, the activities incorporated "Plastic-free" creations, guiding participants to consider the relationship between plastic reduction and their lifestyle choices.
- At the Shenzhen venue, children engaged in water energy experiments integrated with natural science, learning about the principles of natural energy through games.

Through observation, questioning, DIY, and co-learning, the activities not only reinforced employees' understanding of nature but also inspired discussions and recognition of sustainable values among family members.



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• Small actions, big impact - Putting biodiversity into practice The "Carbon Journey in Nature" events transformed participants from mere observers into active guardians of nature. Advantech believes that every encounter with nature is an opportunity to gain insight into biodiversity and care about the future of ecology. The event not only strengthened Advantech members' awareness of ESG environmental topics but also enhanced families' sense of participation and responsibility towards conservation actions.

From individuals to teams, and from observation to active participation, Advantech employees are protecting Earth's biodiversity through tangible actions.

In the future, Advantech China will continue to promote employee engagement mechanisms guided by nature education to reinforce the understanding and implementation of ESG culture within the Company. By designing more educational and engaging natural experience activities, Advantech strives to extend the concept of sustainable development from the workplace to every family and daily choices, thereby shaping a green culture of symbiosis and shared prosperity among the Company, nature, and society.













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Advantech Japan - "Girls Tech Program: Advancing STEM Learning and Offering Opportunities to Explore Careers in Semiconductors and Technology"

In November 2024, Advantech Japan partnered with the Fukuoka Prefectural Government to host the "Girls Tech Program" at the Nogata Office. The program invited 30 high school students (21 female and 9 male) from Fukuoka Prefecture to participate. The program focused on the topic of "How to Increase Female Employment in Manufacturing and Semiconductor-Related Companies." The program facilitated interaction between senior high school students and Advantech Japan employees. Through diverse interactions and visits, the senior high school students were able to gain insight into the social contributions made by the manufacturing industry and semiconductor industry, as well as workplace culture:

Workplace visits and technical learning

The students visited the semiconductor packaging (PCB assembly line) process and learned from the exhibition hall how semiconductors are applied in daily life to address social problems. Through these case studies, the students learned that Advantech's products are widely used in daily scenarios such as food services and retail, and they were impressed by the technologies involved in these products.



Discussions on gender equality and employment opportunities

With the theme of "How to increase the employment rate of women in manufacturing and semiconductor-related companies," female employees from various departments, including Production, Manufacturing, Human Resources, and Marketing, shared their work experiences and responded to students' questions concerning work skills, workplace challenges, and career plans. The discussions encompassed fields such as manufacturing, human resources, and marketing, allowing students to understand the diversity of technology-related workplaces and women's development potential in these fields.



Media attention and social impact

The event was featured in a report by local TV station RKB, and students expressed strong interest in semiconductor and IoT technologies following their handson experience. After returning to their schools, students will engage in relevant discussions and presentations to reinforce their understanding of technology-related workplaces.



2024Sustainability Report





RKB's news report: https://youtu.be/gYHwSoN-Pf0

"Future Data Scientist - Programming Course for Elementary and Junior High School Students"

Since 2022, Advantech Japan has been partnering with the Nogata Municipal Government in Fukuoka Prefecture, along with student clubs - "GLEAP" from two universities in Kyushu and Fukuoka, to organize programming camps for elementary and junior high school students during both the summer and winter seasons. (The main members of GLEAP officially established GLEAP Co., Ltd. in April 2023, becoming Advantech Japan's Al software development partner.) Before each three-day event, Advantech' s Business Development team and members of GLEAP Co., Ltd. met to discuss the course theme. The programming camps gained popularity among schools and parents in Nogata City, thanks to Advantech's high-performance products and user-friendly programming languages. The program also sparked curiosity about IoT among many elementary and junior high school students.

In 2024, instead of renting a separate venue, the summer and winter programming camps were held at Advantech Japan's Nogata facility in Japan. Over the past two years, the curriculum design has evolved beyond simply introducing product performance and programming languages. It now incorporates broader industry knowledge related to Al and IoT, along with practical demonstrations of integrated hardware and software IoT solutions. The goal is to help elementary and junior high school students gain a clearer understanding of how IoT technologies are applied in everyday life.



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Advantech Europe "Insect Hotels: Supporting Biodiversity through Education and Habitat Co-creation"

The loss of biodiversity has become one of the most pressing global environmental topics today. Advantech Europe has long focused on natural inclusion and ecosystem services. While promoting sustainable site operations, we also try to connect with local community resources to fulfill the Company's commitment to nature conservation. In 2024, we kicked off the "Insect Hotel Education and Community Engagement Project" in Son en Breugel, the Netherlands. By collaborating with local schools and integrating environmental education with habitat creation, we aim to co-create a model of sustainable practice involving business, education, and nature.

The project focuses on supporting habitats for local pollinators and beneficial insects, while also bolstering adolescents' environmental awareness through participatory learning.

- Local collaboration and school engagement: This project collaborates with elementary schools in the Son en Breugel area. The Advantech team and teachers jointly design courses and lead students to understand insect ecology and the concept of sustainable land management.
- Habitat design and hands-on experience: Taking into account the difficulties insects face in wild environments, students built an insect hotel with the support of professional guidance. The structural design takes into account habitat diversity and climate protection. The main structure of the insect hotel is made from wooden boards, while the interior is filled with bamboo tubes, straw, and drilled wood to provide essential spaces for hiding, breeding, and overwintering. A roof has also been added to shield the structure from the elements. In addition to enhancing habitat diversity in the countryside, this approach attracts beneficial insects like parasitoid wasps and ladybugs, helping to control common agricultural pests, reduce pesticide use, and maintain ecological balance in farmland.

Moreover, the insect hotel can also attract various pollinating insects such as chalcid wasps and wild bees, which helps to increase the pollination efficiency of flowers and plants, enhance local biodiversity and habitat connectivity, and become a microbiodiversity replenishment node between urban and suburban green spaces.

• Beehives are set up in AESC office areas

To further promote biodiversity within its operating locations, Advantech Europe has also set up several "pollinator-friendly beehives" in the AESC office area. These were handcrafted by employees using natural wood and bamboo tubes, providing ideal nesting microhabitats for solitary bees and forming a complete ecosystem. This habitat design can effectively attract and support the reproduction of local pollinator populations, forming a biodiversity-enhancing habitat network that plays a crucial role in maintaining ecological diversity.

These initiatives not only embody Advantech Europe's commitment to ESG values but also further integrate the concept of sustainability into education and site

management. Looking ahead, Advantech Europe will continue to strengthen its natural inclusion strategy, expand nature-friendly spaces and environmental education collaborations, and create a green social environment where people and nature coexist in harmony.









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Advantech USA "A4C Program": Corporate Action to Co-create a Friendly Community

To fulfill its corporate citizenship responsibility and enhance local engagement, Advantech USA launched the "Advantech for the Community (A4C)" program in 2021. The purpose is to give back to the local community as well as join forces with charitable organizations and foundations that hold special significance for Advantech, consolidating corporate resources and the power of employee engagement to expand its positive impact on the community. A4C (Advantech for the Community) encourages employees to submit their proposals and, through the A4C Committee, coordinates the use of funds and activity planning to create a corporate culture that emphasizes a sense of participation and belonging. By continuously engaging with the community, we can reinforce employee-community ties and expand the positive impact to include employees' families and partners.

In 2024, the A4C team continued its support for local environmental and social welfare organizations, integrating the spirit of public welfare into daily work and corporate culture. By launching diverse actions with sustainable implications, we can demonstrate our responsibility and commitment as a corporate citizen.

• Plant a tree of hope as the forest loses its lush greenery

In early 2024, the A4C team made an important decision: to restore life to the scorched earth in the aftermath of the Northern California wildfires. Advantech USA partnered with the Arbor Day Foundation, the world's largest tree-planting NPO, to support forest reconstruction efforts in Northern California. Together, we helped to plant nearly 8,000 redwood and Douglas fir trees in wildfire-affected areas such as Big Basin and Butano State Parks, injecting new momentum into the recovery of the local forest ecosystem, biodiversity restoration, and water conservation. Giving the wildfire-ravaged areas a chance to breathe again.

• Offering children a secure and supportive environment outside their homes

The A4C team also continued its partnership with Ronald McDonald House Orange County from 2023, providing more families with children receiving treatment away from home with free accommodation, meals, and transportation support. Providing more families of critically ill children with a place to stay, food to eat, and transportation. We also invited employees to participate in the "Walk for Kids" charity event. On that day, Advantech USA, as a silver sponsor, joined thousands of residents in shaping the future of these children, supporting the fundraising efforts for the medical and daily needs of families with critically ill children. In the end, over USD 335,000 was raised, providing an additional safety net for countless families.

From the hospital to the beach, Advantech employees are always present
 In addition to forests and children, the A4C campaign also reaches out to hospitals, communities, and beaches.

In 2024, we continued our blood drive partnership with the Red Cross, turning our offices into blood donation centers. We also support children's medical care and collaborate with regional children's hospitals, including CHOC (Children's Health of Orange County), St. Jude Children's Hospital, and Cincinnati's Children's Hospital, to help promote awareness and fundraising, focusing on the accessibility of medical care for critically ill children.

Meanwhile, the A4C team called on employees to participate in beach cleanup activities on World Oceans Day to maintain environmental sustainability. Through the A4C program, we integrate public welfare initiatives and actively engage in a variety of local causes, including supporting animal welfare, Habitat for Humanity (building and improving housing), Girls Inc. (empowering girls through leadership programs), and Casey Cares (supporting families with children with critical illnesses). A4C is constantly expanding its activities and initiatives to build a warmer and altruistic community. By nurturing a sustainability network within and beyond the organization, we enhance employee engagement and corporate unity, fulfilling our long-term commitment to people and the environment.













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6.2 IoT Education and Industry-Academia Co-Creation

The enterprise IoT market is expected to continue growing over the next five years, reaching USD 525 billion by 2027. By then, the global IoT industry will face a talent gap of over ten million people. Advantech, as an international benchmark company in industrial computers and IoT, sees IoT talent cultivation as a key focus for corporate competitiveness and corporate sustainability. Therefore, with the vision of popularizing and deepening IoT education, we promote three major themes and five learning projects to cultivate IoT talent.









6.2.1 Industry-Academia co-creation

Practice integration: Promote the co-creation ecosystem to foster industry growth and employment opportunities

- ◆ University co-creation Industry-academia project (see Chapter 3 for details)
- ◆ Industry-academia-Master's-PhD (see Chapter 3 for details)
- ◆ IoT career exploration: Elite 100 IoT Internship Program

The Elite100 Internship Program focuses on forward-looking issues in different application fields. Advantech instructors lead students through user scenario analysis and field interviews to understand actual needs and industry pain points, and then propose innovative concept designs.

- Advantech contributing units: HR, various business units, Advantech Foundation
- Main beneficiaries: Students, schools
- External collaboration: Advantech partners provide venue resources

Since the launch of the IoT Industry Internship Program in 2018, more than 100 students have participated. Through mid-term and final presentations, senior supervisors provide guidance and feedback, allowing students to gain valuable workplace experience. Over the years, many of the interns' project themes and outcomes have also been adopted and implemented within Advantech.

In 2024, 66 students participated in the Elite Internship Program in Taiwan, resulting in over 30 project outcomes. Following the summer internship, 32 students were retained for continued internships (with 2 subsequently securing full-time positions and one accepted into the R&D substitute military service program). The aim is to continue identifying outstanding student talent through the internship program and integrating them into the team.

Table of recent internship	20	21	20	22	2023		2024	
numbers	Taiwan	China	Taiwan	China	Taiwan	China	Taiwan	China
Number of interns	26	17	35	12	59	30	66	2
Number of internship extensions or transitions to full-time positions	7	4	7	10	18 people were granted extended internships, with 2 of which transitioned to full-time positions	2	32 people were granted extended internships (2 of which transitioned to full-time positions, and 1 became a R&D substitute military serviceman)	1

*In 2024, the recruitment of interns in China shifted away from batch hiring. Instead, internships are offered individually when suitable positions open up

- website : https://page.advantech.com/tw/intern
- Highlights from intern activities: https://www.facebook.com/AdvantechCareers/video



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6.2.2 Innoworks Global Developer Program



Project highlight:

University Campus Seed Project

- Internal contributing units: Technical support departments, foundations, and emerging business development departments
- Main beneficiaries: Students, schools, and the general public interested in popularizing education through IoT
- External collaboration: Experts and scholars in the field of IoT
- Project description: This project was carried out by three students from the Tatung University Department of Information Management, who also participated in the 2024 Innoworks Developer Program competition. Following the event, they were selected as Advantech WISE-IoTSuite Campus Seeds and are currently working on producing educational materials for Advantech Intelligent Agriculture's Remote Greenhouse Control.

Project description of Smart Agriculture's Remote Greenhouse Control: The Campus Seeds are developing and recording a series of instructional videos based on the intelligent greenhouse co-operated by Advantech and the College of Bioresources and Agriculture, National Taiwan University. This project utilizes Advantech equipment to gather environmental data, transmits the data to the cloud via edge devices, and visualizes the data through an Industrial IoT cloud platform. This addresses various management needs in modern agricultural production, aiming to improve production efficiency and product quality.

Dashboard



ADVANTECH



Control Panel Components



ADVANTECH





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Open innovation: Guide students to cross-field co-creation to promote industrial innovation.

- ◆ Innoworks Global Developer Program Competition
 - Event mechanism: AloT Innoworks is an IoT-themed competition for students and developers worldwide. Using Advantech's WISE-IoTSuite IoT cloud platform, participants learn to develop innovative IoT application solutions across various industries and domains. They also tackle social and environmental challenges while competing for valuable rewards. Topics covered include public health, solar and wind energy, intelligent agriculture, iFactories, intelligent campuses, and smart cities.
 - Continuing development mechanism
 - Advantech recruited outstanding students to join Advantech Elite 100 internship program
 - Participating students are invited to join Advantech's Campus Seed Program, where they support the implementation of WISE-IoTSuite collaboration projects on various campuses. They also serve as instructors for campus training workshops, provide first line technical support for AloT InnoWorks, and respond to advanced development issues in the technical forum.
 - We support the teams in the continued development of topics that are relevant to Advantech's product roadmap or hold long-term significance, and collaborate with internal product departments to initiate industryacademia projects as needed.

Project-based Approach to Learn & Innovate



- Quantifiable achievements: Since its inception in 2019, this marks the sixth year of the program. To date, a total of 74 schools from 10 countries have participated, including Taiwan, Mainland China, Vietnam, Malaysia, Singapore, Brazil, Indonesia, South Korea, India, Thailand, and others. In 2024, 476 students from 119 student teams across 33 universities and colleges in 8 countries participated in the program.
- Social return on investment (SROI) assessment project: To evaluate the social impact of the Advantech Innoworks Global Developer Program, the Company launched a social return on investment (SROI) assessment project in 2024. A third-party consulting firm was commissioned to systematically analyze the program's social impact by quantifying the benefits generated through the Innoworks competition. This program involves in-depth interviews with various stakeholders, including students, teachers, and corporate partners, to explore the positive and negative impacts of the competition on talent development, technology application, and industry-academia collaboration. The final evaluation results will serve as a key reference for Advantech to optimize future competitions and talent development programs, further enhancing the social value and long-term impact of IoT education.
- Project scope:Taiwan, Vietnam, Indonesia
- Stakeholders:
 - Taiwan: Advantech headquarters company representatives/employees/ interns/industry partners; schools—representatives/teachers/students from National Taiwan University of Science and Technology and National Yang Ming Chiao Tung University
 - Indonesia/Vietnam: branch offices company representatives/employees/ industry partners; schools—representatives/teachers/students from the Sepuluh Nopember Institute of Technology and Vietnamese-German University
- SROI = NTD 1.52, meaning that for every NTD 1 invested, NTD 1.52 of social value can be generated



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■ Project outcome analysis

 Overall stakeholder value distribution: Taiwan accounts for approximately 61.4%, while overseas (Vietnam and Indonesia) account for 38.6% collectively. (Figure 1)

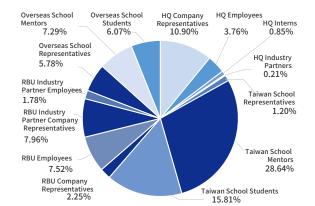


Figure 1 Overall Stakeholder Value Distribution

- Taiwan stakeholder value distribution: Teachers account for 47%, followed by students at 26% (Figure 2). Taiwanese supervising professors noted that this initiative enhances the effectiveness of IoT courses by integrating practical experience into the curriculum, boosting students' sense of accomplishment, and strengthening their ability to think from an industry perspective. The students reported that participating in the activity helped them develop their presentation skills, enhance teamwork abilities, explore career possibilities, accrue IoT technology knowledge, form connections, as well as bolster their confidence and learning capabilities.
- Overseas region stakeholder value distribution: Stakeholders such as
 industry partners, branch office employees, teachers, students, and
 overseas school representatives each accounted for 15-20%. This activity
 not only delivers tangible results for teachers and students in Taiwan by
 aligning academic efforts with industry needs but also helps branch office
 partners enhance their IoT expertise, improve communication through
 empathy, strengthen cross-departmental coordination, and increase job
 satisfaction and sense of belonging. While it may also lead to increased
 mental stress due to added responsibilities, it contributes positively to their
 sense of self-worth

Case study 1: Joint participation of eight universities in Ho Chi Minh City, Vietnam, to extend their impact

By co-hosting the Innoworks competition with the Vietnamese–German University (VGU) and engaging seven other universities in the southern region, student teams were invited to participate in the event. In total, 45 team proposals were received. Following the first-stage review by a panel of experts, 16 teams were selected to proceed to the second-stage review, which involved workshops conducted by

Report on the Innoworks Developer Program competition in Vietnam



Advantech industry mentors. The Advantech mentor team, consisting of experts in sales, marketing, and technology, provided students with industry insights and advice. Ultimately, 6 teams were selected for the final competition. The students proposals encompassed diverse disciplines including smart healthcare, smart transportation, energy management, and smart manufacturing, etc.

◆ Case study 2: Malaysia - responding to regional business strategy to develop an industry-academia ecosystem

As a key part of Advantech' s strategy to expand service coverage in the Asia-Pacific region, Malaysia officially became home to the Advantech ASEAN Shared Service Center (ASSC), established in Penang in 2024 to implement the "China+1" strategy. Universiti Sains Malaysia (USM), a leading national university in Penang, is an important partner for Advantech's regional development and talent cultivation efforts. Besides organizing the Innoworks Developer Competition, Advantech will also collaborate with the university to develop talent cultivation programs.

Case study 3: Thailand - establishing proof-of-concept (POC) projects to accelerate the implementation of IoT applications

Advantech Thailand collaborated with King Mongkut's University of Technology North Bangkok (KMUTNB) to organize the first Innoworks competition in Thailand. Since 2019, the two parties have forged a strong partnership, including support from industry mentors for IoT courses, sponsorship of industrial-grade equipment, and opportunities for students to bring their ideas to life through hands-on implementation. The competition featured six teams that validated their concepts through proof-of-concept (POC) projects, thereby advancing the practical application of IoT technology across various fields.



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6.2.3 AloT Academy IoT higher education courses and certifications



Project highlight:

IoT Basic Course Cocreation Program

- Internal Participating Units: Technical support departments, foundations, and emerging business development departments
- Main Beneficiaries: Students, schools, and the general public interested in popularizing education through IoT
- External Collaboration: Experts and scholars in the field of IoT
- ◆ Project Description: This project invites Professor Shuo-yen Chou, Director of the IoT Center at National Taiwan University of Science and Technology, to bring together experts in the field to focus on the fundamentals of IoT. By sharing practical application experiences, the project aims to equip students with the core competencies required for IoT-related skills and professional development.

Internet of Things Basic Course
Landing page

Education for all: Bridging the gap between higher education and industry through summer internships \rightarrow and long-term internships \rightarrow , with extended training for transitioning to full-time positions

- ◆ IoT online learning platform "AloT Academy higher education courses and certification"
- Advantech training and certification official website: https://academy.advantech.com/
- As an online platform for global learners to develop cloud-related skills, Advantech provides free accounts, instructional resources, and user spaces to enable more learners to explore industrial cloud applications. Services include course consultation, technology transfer, co-teaching with industry experts, and certification opportunities.
- Internal contributing units: Technical support departments, foundations, and emerging business development departments
- Main beneficiaries: Students, schools, and the general public interested in popularizing education through IoT
- External collaboration: Experts and scholars in the field of IoT
 - From 2018 to 2024, we collaborated with more than 22 universities and universities of science and technology.
- From 2018 to 2024, IoT internship courses covered a variety of topics, including comprehensive smart
 manufacturing experiments, industrial APP development using WISE-PaaS, intelligent maintenance of
 equipment and production lines, industrial IoT, cloud data platforms, AI, and more. These courses combined
 theoretical knowledge with practical industry solutions and were taught by industry experts, with durations
 ranging from 6 to 30 hours each.
- Between 2021 and 2024, over 2,000 technical certificates for WISE-IoT Suite were issued through campus collaborations.

	Partner schools					
Taiwan	National Taiwan University, Yang Ming Chiao Tung University (formerly Chiao Tung University), National Cheng Kung University, Tunghai University, Chang Gung University, National Taiwan University of Science and Technology, National Taipei University of Technology, Chang Gung University of Science and Technology, National Yunlin University of Science and Technology, National Formosa University, National Chin-Yi University of Technology, Lunghwa University of Science and Technology					
Mainland China	Nanjing University of Science and Technology, Henan University of Technology, Donghua University, Beijing University of Technology, Suzhou City University, Beijing Information Science & Technology University					
	Creation of IoT and software engineering teaching materials					
Taiwan	National Taiwan University of Science and Technology, Tunghai University					
Mainland China	Nanjing University of Science and Technology, Henan University of Technology					
	Development of IoT-themed workshops and corporate visits					
Mainland China	Xi'an Jiaotong-Liverpool University, Dalian University of Technology, Henan University of Technology, Qingdao University of Technology					



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WISE-IoTSuite Certification Course Learning Path

Professional Developers & Architects

Private Cloud

Operations

Click [Enter Course] to link to the course

Artificial Intelligence **Development Services** WISE-AIFS

Data analysis platform management, development, training, deployment and operational practices. (2 hours)

[Enter the course]

Specialize Industry

Enter level

WISE-STACK Private cloud and

WISE-STACK Edge featherweight cloud platform construction and operation and maintenance practices. (2 hours)

[Enter the course]

Architecture **Architecture** Multi-tenant space

Enterprise Account

Management and

management and enterprise account management practical applications, etc. (2.7 hours)

Digital Twin WISE-InsightAPM

Digital Twin Asset Performance Management Tools and Configuration Practices. (1.2hr)

status display, alarm, data guery, data monitoring, etc. (1.5 hours)

Basic

Configuration

MachineUnite

Configuration work:

data access, device

[Enter the course] [Enter the course]

[Enter the course]

WISE-IotSuite Low Code User

Core Level III

Advanced WISE-PaaS/IoTSuite core service implementation capabilities, including solution framework, external data import, and 3D dynamic visualization tools. (2.5 hours)



[Enter the course]

Basic EnSaaS cloud-native application, data management platform operation and WISE-IoTSuite's implementation ability of the core service of the industrial Internet of Things general platform base (3hr)

Core Level II

[Enter the course]

WISE-PaaSBeginner / Promoter / Peak Sales

Core Level I

WISE-PaaS industrial cloud platform service provision and sales model. (2.5

*This certification course is a prerequisite for obtaining all WISE-PaaS

professional technical certifications

Developers & Co-creation Partners

Developer Level II

Advanced WISE-PaaS/IoTSuite core service implementation capabilities, including solution framework, external data import, and 3D dynamic visualization tools. (2.5 hours)



Developer Level I

Operating principle of basic K8s and the way to develop, deploy and connect the development capabilities of platform services (6.8hr)

[Enter the course]

[Enter the course]

Business Promotion Training Certification

Understand the basic Industrial IoT cloud platform architecture and the **Business Essentials**

Quickly understand the core business value of WISE-PaaS services, including supporting resources. (1hr)

[Enter the course]

◆ Case study: China - Capitalizing on external resources to extend benefits and develop promising schools

In 2024. Advantech branch offices participated in China's 4th "International Forum on Mechatronics Vocational Education." The forum brings together over 100 teachers under one roof, making it an iconic event in the field of higher vocational education. Through this event, Advantech was able to engage with key partners from both industry and academia to collectively create an ecosystem for China's education system. This initiative aims to enhance the effectiveness and influence of IoT education.









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6.3 Summary of the Foundation's Achievements

In 2024, the Advantech Culture and Education Foundation spent NTD 48,545,133 on cultivating IoT talent, NTD 20,798,703 on promoting arts and culture, NTD 12,929,174 on sustainable education, and NTD 19,313,243 on public welfare and common good initiatives. Below is the list of focus areas:

Main focus	Project name	Achievements in 2024	2025 Goals
	AloT Innoworks Developer Program	Invested NTD 12.8 million. • A total of 476 students from 33 schools in 8 countries participated in the program, producing 119 projects.	
	AloT Academy IoT higher education courses and certifications	 Between 2021 and 2024, over 2,000 technical certificates for WISE-IoT Suite were issued through campus collaborations. Participated in an industry-academia ecosystem partner convention and engaged with 100 teachers. Held 4 campus workshops on the topic of IoT. 	Expected investment: NTD 38.2 million. Innoworks Build on Advantech's core competencies to deliver software/hardware products, establish a developer ecosystem, and form an Al expert bank.
IoT education and innovative talent cultivation	Elite100 Internship	Invested over NTD 10 million. ◆ Produced 30 specialized research and planning projects ◆ Recruited 66 interns in 2024; 32 students extended their internship after the summer vacation	AloT University Co-Creation In collaboration with National Yang Ming Chiao Tung University/National Taiwan University of Science and Technology/National Taipei University of Technology, we have produced 3-8 industry-academia collaboration projects each. These projects focus on technology and IoT innovation applications, combining industry needs with key laboratory technologies to help promote the industrialization of academic achievements.
	Industry Academia Innovation School/ IoT Center, Yang Ming Chiao Tung University	Invested over NTD 10 million. In total, 8 industry-academia projects were implemented, covering three major themes— IoT Edge Technology, GenAl for Industrial Application, and Thermal Extended TSU. Specific topics include: optimizing local LLM-based edge generative Al question answering; developing a GenAl question answering system for smart energy-saving equipment technical manuals; designing antenna isolation technology modules for miniaturized edge Al PCs; and developing next-generation SOM thermal modules.	Tech Elite scholarship Cultivate 30 outstanding students with industry experience.



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Industry- research collaboration, corporate sponsorship	loT Innovation, Startup Acceleration, and Incubation Platform	 Invested over NTD 7.2 million. We sponsored 2 major startup accelerators in Taiwan, as well as 2 IoT innovation proposal competitions. Through their networks, international startups were invited to engage with Taiwanese industries. Our support included cash prizes and hands-on guidance from industry mentors to help accelerate the industrial application of their technologies. Advantech has collaborated with entrepreneurs and industry players, including SYSTEX and Chunghwa Telecom, to launch the "AloT Co-Learning and Co-Creation Project." This initiative selects 11 IoT solution startups from diverse industries, including smart logistics, smart healthcare, smart manufacturing, and smart environmental protection. The project consists of three workshops on startup innovation and the IoT industry. It consolidates the resources and experience of large enterprises with innovative startup solutions, facilitating exchanges on IoT innovation, business opportunities, and models. Additionally, we have developed co-creation collaboration plans with 5 companies. The Company supported Epoch School in conducting entrepreneurship training for university students. The program recruited 100 university students, organized 28 training events, and facilitated 110 one-on-one career consultations. 	 Expected investment: NTD 6.2 million. Through the startup platform, we aim to engage with 15 external startup teams, with the goal of formulating collaborative plans for products or solutions. Support one to two Edge AI application case studies.
Advance innovation and sustainable education	ACT Dreamers	 Invested over NTD 8.7 million. Sponsored 46 elementary and junior high schools to implement the ACT Dreamers project and facilitated over 60 presentations in schools. Four cross-school sharing sessions were held, with participation from over 500 teachers, students, and parents. Organized large educational annual conferences to showcase 78 learning outcomes, with participation from more than 1,000 people. 	Expanded the scope of ACT participation by increasing direct collaborations with schools and partner institutions. This will promote the implementation of PBL to achieve various SDGs. We will also organize inter-school sharing sessions and large annual conferences to amplify impact. We aim to establish a replicable model through ACT to promote sustainable development-related topics. Launched the three-year ACT community sustainability case study. Formed the ACT Dreamers application platform and created the sustainability action database. Expected investment: Over NTD 8 million.
	Sponsoring quality sustainable education platforms	 Invested over NTD 4.2 million. The Company sponsored and cooperated with the Company to promote the "PBL Teaching Impact Promotion Program" and set up a special section to share PBL teaching resources, making them free for educators to use. Sponsored the Yingguang Education Association to promote the "ESD and PBL Model School and Teacher Empowerment Program." In 2024, the program assisted 144 elementary, junior high, and senior high schools across Taiwan, with 611 on-site support visits. Collectively, the schools produced or optimized over 230 courses, with at least 142 of them integrating SDGs and PBL-related topics. Funded the Taiwan Youth Creative Action Association (DFC)'s 2024 "DFC Challenge Sharing Season." Supported the DFC Taiwan team's participation in the "2024 DFC I Can Global Children's Summit" in Dubai, sharing creative challenge stories from Taiwanese children and facilitating exchanges with children from other countries. Sponsored the Pley School sustainable board game project to train teachers in using board games to introduce students to the SDGs. 	We will continue to support Education for Sustainable Development (ESD) by providing financial sponsorship to high-quality education platforms, jointly promoting sustainable education and enriching Taiwan's sustainable education landscape. The expected investment will exceed NTD 4 million.



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Facilitate young talent cultivation	NTNU Graduate Institute of Performing Arts' Musical Theatre Elite Talent Cultivation Program	Invested NTD 1 million. ◆ Sponsored the NTNU Graduate Institute of Performing Arts' "Musical Theatre Elite Talent Cultivation Program," which supported 7 emerging talent and hosted 5 performances and promotional events in 2024, attracting over 1,100 participants.	Continued to support the "Musical Theatre Elite Talent Cultivation Program," expected investment NTD 1 million.
	Youth Development Project of National Taiwan College of Performing Arts	Invested over NTD 2.6 million. ◆ Established an arts scholarship, benefiting 16 students ◆ Launched the elite talent cultivation program. ◆ Sponsored public performances of Peking opera acrobatics troupes	Continue to support and encourage outstanding students through scholarships and elite talent cultivation programs. Additionally, we will sponsor Peking opera and acrobatics troupes, with an expected investment of NTD 2.5 million.
	Youth Talent Cultivation Program of GuoGuang Opera Company	Invested over NTD 2.7 million. ◆ A total of 401 performances and promotional activities were held in 2024, with classic repertoires passed down from the teaching staff. ◆ Cultivated 14 young talented people (including actors, wardrobe/props managers, technicians, etc.) to learn traditional craft and heritage. These individuals were given the opportunity to showcase their skills as lead performers and serve as key production staff in the annual performance series.	Continue to support the talent cultivation program with an expected investment of NTD 3 million.
	National Culture and Arts Foundation's Young Stars New Vision Program	Invested NTD 500,000. ◆ Sponsored the "Young Stars New Vision" program, funding three young artists to hold eight ticketed performances across Taiwan. Furthermore, 15 campus workshops were conducted countrywide to reach over 500 teachers and students.	Continue to invest in the "Young Stars New Vision" program with an expected investment of NTD 600,000.







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Enhance development of the arts and culture industries	Promotion of diverse arts and cultures	 Invested over NTD 10 million. Supported nearly 140 performances by arts and cultural troupes. Attracted over 6,000 audiences to the theater performances. The podcast "Relaxed Listening on Arts and Culture", produced and aired by Advantech, had released 114 episodes by the end of 2024. It attracted 54,026 listeners and featured a total of 94 performances, 15 exhibitions, 10 films, 13 books, and 13 types of cultural events. Sponsored the musical "Don't Cry, Dancing Girls" by VMTheatre Company for its 2025 Broadway performance in New York. Inviting artist Paul Chiang and artist AKIBO (Li, Ming-tao) to hold 2 Advantech Gallery exhibitions. 	We aim to undertake a wide range of arts and culture promotion initiatives, sponsor performances by outstanding Taiwanese teams, and increase listenership of the podcast "Relaxed Listening on Arts and Culture" to 70,000. Furthermore, we plan to convert the podcast into video format for upload on YouTube, further expanding exposure for arts and cultural events. Hosted themed exhibitions and performances, and collaborated with professional schools to cultivate creative talent and broaden artistic horizons. The aim is to engage over 5,000 stakeholders in arts and cultural activities, with an expected investment of over NTD 7 million.
Develop athletes' competitiveness for international competitions	National Athlete Heritage Program	Invested more than NTD 860,000. ◆ Sponsored training fees for 4 young athletes in judo, wrestling, baseball, and middle-distance running.	Continue to support promising young athletes in judo and middle-distance running, with an expected investment of over NTD 800,000.
Charity and care	Advantech's Altruism Scholarship	Invested more than NTD 4 million. ◆ Launched in 2013, the Altruism Scholarship has supported underprivileged students, those facing unexpected family hardships, and individuals from financially struggling households. The scholarship encourages students to courageously pursue hope and meaning in their lives through various fields of interest, empowering their passions and talents to become the key to unlocking life-changing opportunities. ◆ Starting in 2024, the scholarship program expanded beyond Miaoli County to include Nantou County and City. The total funding increased from NTD 2 million to NTD 4 million, benefiting nearly 2,500 students across 80 schools.	The number of student and school beneficiaries increased in 2024. In 2025, we aim to strengthen our impact by inviting one to two scholarship recipients to share their journeys of enlightenment. Their stories will motivate younger students. Additionally, we plan to invite one to two schools to join the "Empowerment Program," thereby expanding the scope of afterschool enrichment classes. This program is designed to help students seek enlightenment and progressively enhance their learning, ultimately serving as "seed courses" for their future development.



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