

HCAS Invention Lab

Sponsorship proposal 2026–27

Hsinchu County American School · Zhubei, Hsinchu

We are a student lab in Zhubei. We build inventions and take them to international invention expos, and 經濟日報 reported our AI Organizing Shelf in August 2026. Here is what we have done since 2024, and what a sponsor gets this season.

Reported by 經濟日報 (Economic Daily News), Aug 2026 · 7 awards at international invention expos · 30+ students since 2024

Our KIDE 2025 team in Kaohsiung

Since 2024

8

inventions

from an AI checkout mirror to an offline disaster terminal

7

awards at 5 international invention expos

all team awards

30+

students have built with the lab

16 members this year, Grades 6–12

14,812

Instagram views in the last 30 days

Instagram Insights, 24 Oct 2026. Includes one collaboration reel with a US creator account.

- Covered by 經濟日報 (Economic Daily News), August 2026

One machine, three years, four medals

Our Automatic Multi-Toiletries Dispenser started in 2024 as a concept and won Gold at the New Time invention salon. Then the team built it for real, with an Arduino, peristaltic pumps and four or five 3D-printed prototypes to fix leaks and refilling. It went on to win Bronze at KIDE 2025, Silver and the INNOPA Special Award at the Malaysia Technology Expo (virtual category), and Bronze at WorldInvent Singapore (online edition).



At our KIDE 2024 booth

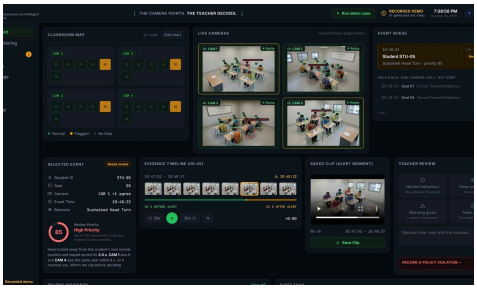


Visitors at our table, KIDE 2025

The AI Organizing Shelf took about four months from first sketch (March 2026) to a Gold at WorldInvent Singapore (July 2026, online edition). It is still a design, judged online from our poster and a rendered film, and 經濟日報 reported it.

This season: KIDE 2026

On 26–28 November, 18 students take three new inventions to the 13th Kaohsiung International Invention & Design Expo. Last year's KIDE had 484 entries from 33 countries.

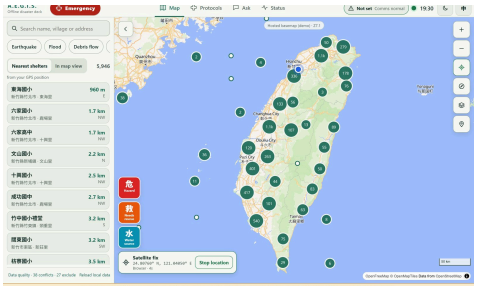


Console screenshot. The classroom test footage is AI-generated.

FAIR

Fairness Assurance via Intelligent Recognition

A multi-camera assistant for exam rooms. Two cameras must agree before anything is flagged, and a teacher reviews a short clip and makes every decision.



Web demo v0.4.0 with 5,946 Taiwan shelters. The on-device AI is still being tested.

AEGIS

AI Edge Ground-Station for Information & Search

An offline emergency terminal for when the network goes down after a typhoon or an earthquake. It runs an existing open AI model with offline search and maps on an NVIDIA Jetson Orin Nano.



1:8 scale model

KickGuard

磁力被子 · magnetic blanket

A blanket that stays on the bed for children who kick off their covers at night. Six pairs of small magnets keep its edges on the mattress. No batteries, no electronics.

Every award so far

Year	Expo	Result	Invention
2024	New Time International Salon of Inventions and New Technologies (20th)	**Gold**	Multi-Toiletries Dispenser (concept stage)
2024	11th Kaohsiung International Invention & Design Expo (KIDE)	**Bronze**	AI Clothing Checkout Mirror
2025	12th KIDE (484 entries from 33 countries)	**Bronze**	Multi-Toiletries Dispenser
2026	25th Malaysia Technology Expo, junior virtual category	**Silver + INNOPA Special Award**	Multi-Toiletries Dispenser
2026	WorldInvent Singapore (online edition)	**Gold**	AI Organizing Shelf
2026	WorldInvent Singapore (online edition)	**Bronze**	Multi-Toiletries Dispenser

Who sees your logo

Our Instagram

@hcas_invention.lab

Launched 27 September 2026

14,812 views in the last 30 days (Instagram Insights, 24 Oct 2026)

Two-thirds of those views came from people who don't follow us yet

1,127 accounts viewed our content, and we gained 177 net new followers

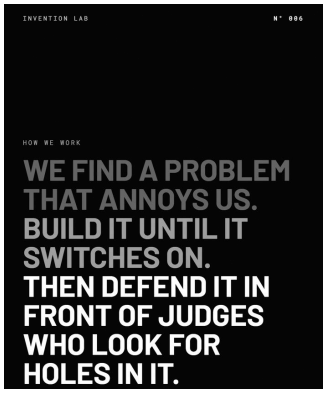
This includes one collaboration reel with a US creator account

Instagram









At KIDE

Three days at the Kaohsiung Exhibition Center, with judges and international delegations.

In print

The brochure and calling cards we hand out at the booth.

In the news

Our last result reached 經濟日報 through the expo organisers' press release.



Booth 039 at KIDE 2025

What your logo gets



Our KIDE 2026 table banner (design in progress), with the planned sponsor strip underneath.

Our KIDE booth

Your logo on a strip under our 200 × 70 cm table banner, at the front of the booth for all three days. We are still checking KIDE's rules on sponsor logos with the school.

Team shirt

Your logo on our next run of team shirts, sized by level. The shirt design still needs the school's OK.

Instagram

Posts on @hcas_invention.lab that thank and tag you. Supporting and Silver partners share a thank-you post, and Gold and above get their own posts and Stories.

Sponsor page and brochure

Your logo or name on our sponsor page, and in the printed KIDE brochure if it reaches us before print.

Reports

A one-page report within two weeks of KIDE, with results and photos of the inventions and booth, and an end-of-season report. Both work for an ESG or CSR report.

Levels

Each level matches a real cost in the lab. Payments go to the school, which decides how they are used.

Title Partner
NT$120,000
or the workstation itself
A GPU workstation
One sponsor only

Platinum Partner
NT$66,000
All three KIDE 2026 entries
Up to two sponsors

Gold Partner
NT$22,000
One KIDE 2026 entry
Up to four sponsors

Silver Partner
NT$10,000
One prototype's parts
No limit

Supporting Partner
NT$5,000
Half a prototype's parts
No limit

Equipment & In-Kind Partner
Invoice value
or market value
The item itself
No limit

Compare the levels

Each level matches a real cost in the lab. Payments go to the school, which decides how they are used.

> This is a proposal. The school confirms the final benefits before anything is signed.

Level	Title **NT$120,000** or the workstation itself One sponsor only	Platinum **NT$66,000** Up to two sponsors	Gold **NT$22,000** Up to four sponsors	Silver **NT$10,000** No limit	Supporting **NT$5,000** No limit	In-kind **Invoice value** or market value No limit
Sponsor page	First and largest logo, with a “Supported by” line	Large logo	Medium logo	Small logo	Name	As matching level
KIDE sponsor strip *	Largest logo	Large logo	Medium logo	Small logo, if space	·	As matching level
KIDE brochure	Largest logo	Large logo	Medium logo	Name	Name, if before print	As matching level
Team shirt *	XL logo	L logo	M logo	S logo	Name, if space	As matching level
Instagram	Announcement, Reel, 3 Stories, monthly tags	Announcement, 2 Stories, up to 4 tags	Own post, 1 Story	Shared post and Story	Shared post	As matching level, plus a build-log post
Our films	End card, all season	KIDE recap film	Name in KIDE film	·	·	·
Build log	One invention, 4 posts	·	·	·	·	One post with your item
“Donated by” plate *	On the workstation	·	·	·	·	On the item
Engineer sessions *	2 per semester	1 per semester	·	·	·	·
Season-end judging *	Up to 3 staff	Up to 2 staff	1 staff, or a 30-min Q&A	·	·	·
Staff demo *	Yes	Yes	·	·	·	·
Invitations	KIDE booth, season-end demo	KIDE booth, season-end demo	KIDE booth, season-end demo	KIDE booth, season-end demo	Season-end demo	As matching level
Reports	Monthly, after KIDE, season end	After KIDE, February, season end	After KIDE, February, season end	After KIDE, season end	After KIDE, season end	As matching level, plus a usage note
Category exclusivity	All levels	Among Platinum and Title	·	·	·	As matching level

* Not confirmed yet. It needs the school's OK, and the KIDE strip also needs KIDE's rules on sponsor logos, which we are still checking.

All levels run from signing to 30 June 2027, and Silver and above get first refusal on renewal. Category exclusivity covers only the lab's own sponsor items (team shirt, sponsor page, KIDE strip and brochure, our Instagram). It never covers school-wide items, the lab's name or the inventions, and it is subject to school and event rules.

Equipment, materials or time

You can also give equipment, software, materials or services. Each is valued as below and matched to the level of the same value. Engineer time counts too, as a Mentor Partner.

Equipment	Software	Materials	Making and printing
Jetson Orin Nano kits for AEGIS, cameras for FAIR, a GPU or a complete workstation	Cloud GPU credits, labelling tools or CAD/EDA seats, when a team has a real use for them	3D-printing filament, magnets for KickGuard, acrylic, electronics parts	PCB, CNC, 3D printing, laser cutting, printing our booth banner or team shirts
Invoice or list price on the donation date	The vendor's education list price	Invoice value	Your written quote for the same job

Cash and in-kind from the same sponsor add up. Items ship to the school, addressed to Dr. Julio Macrohon, and stay in the lab as school property. The business office confirms what in-kind receipt it can issue.

Mentor Partner Engineer time, such as office hours, design reviews or judging, arranged and supervised by the school. It has no cash value. You get your name (or your logo, if you agree) on our sponsor page, thanks in a shared Instagram post, a mention in the build log when your advice is used, and both reports. **Needs the school's OK**

How it works

1. Sponsorships are paid to Hsinchu County American School, never to students. The school's business office confirms what receipt it can issue.
2. Any agreement is made with the school, which confirms the final benefits. Sponsors get no rights to the inventions, and students do not advertise sponsors' products.
3. Logos have to reach us before our print deadline in early November to be on the KIDE banner strip and brochure. We confirm the exact date when you contact us.
4. Equipment, materials and services count at their invoice value, at the level that matches.
5. Instagram numbers in our reports are real and dated. We don't promise views or followers.
6. After KIDE you get a one-page report within two weeks, and an impact report at the end of the season.



KIDE 2025, booth 039

Contact

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Sponsor page

Instagram