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主旨：敬請 貴校鼓勵校內師生、育成中心之新創團隊參加經濟部產業發展署「2026通訊大賽 — Mobileheroes Global」詳如說明，請查照

說明：

一、經濟部產業發展署為使通訊產業導入創意與人才活水，委由本院辦理舉辦「2026通訊大賽 — Mobileheroes Global」（以下簡稱本競賽），期吸引優秀學子投入創新產業研發設計工作，培養台灣優秀人才，並協助新創團隊鏈結相關輔導資源，促成團隊及產業媒合，於產品開發、商業鏈結、行銷推廣、募資規劃等多面向合作。

二、本年度競賽核心主題聚焦於「AI驅動：5G-Advanced/6G、非地面網路(NTN)與邊緣運算(Edge)時代下的通訊基礎設施創新」，強調以AI技術為次世代通訊賦能。徵件範疇涵蓋：5G-A/6G無線與頻譜創新、NTN混合式連線、網路測試驗證，以及5G/6G垂直領域解決方案。誠摯徵求具備可部署、可量產、可規模化能力，且能實際落地之關鍵技術與系統解決方案。

三、本競賽獎金總計高達6萬美元，進入決賽入圍隊伍可參與本競賽提供之多元培訓計畫、導入企業孵育資源，協助

作品貼近市場需求並媒合產業。

四、本競賽於即日起受理報名，截止報名日為115年7月10日中午12時。歡迎鼓勵貴校師生、育成中心之新創團隊組隊報名參加。

五、更多競賽活動訊息，請上「2026通訊大賽」官方網站：https://eii.nat.gov.tw/mobileheroes/en/Connectivity/Index。報名專線：(02)25221206#279 何小姐、(02)25221206#273 林先生

六、檢附競賽宣傳海報圖檔與競賽規程如附件，敬請轉發週知。

正本：國立政治大學、國立清華大學、國立臺灣大學、國立臺灣師範大學、國立成功大學、國立中興大學、國立陽明交通大學、國立中央大學、國立中山大學、國立臺灣海洋大學、國立中正大學、國立高雄師範大學、國立彰化師範大學、國立臺北大學、國立嘉義大學、國立高雄大學、國立暨南國際大學、國立臺灣科技大學、國立雲林科技大學、國立臺北科技大學、國立臺北藝術大學、國立臺東大學、國立宜蘭大學、國立聯合大學、國立虎尾科技大學、國立臺南藝術大學、國立臺南大學、國立臺北教育大學、國立臺中教育大學、國立澎湖科技大學、國立勤益科技大學、國立體育大學、國立臺北護理健康大學、國立高雄餐旅大學、國立金門大學、國立臺灣體育運動大學、國立臺中科技大學、國立臺北商業大學、國立屏東大學、國立高雄科技大學、國立臺灣戲曲學院、國立臺南護理專科學校、國立臺東專科學校、國立空中大學、東海大學、東吳大學、淡江大學學校財團法人淡江大學、逢甲大學、靜宜大學、長庚大學、元智大學、大葉大學、華梵大學、世新大學、實踐大學、高雄醫學大學、真理大學、大同大學、樹德科技大學、慈濟學校財團法人慈濟大學、臺北醫學大學、龍華科技大學、輔英科技大學、長榮大學、弘光科技大學、健行學校財團法人健行科技大學、正修學校財團法人正修科技大學、玄奘大學、建國科技大學、明志科技大學、大仁科技大學、嶺東科技大學、開南大學、佛光大學、台南家專學校財團法人台南應用科技大學、中信金學校財團法人中信科技大學、光宇學校財團法人元培醫事科技大學、東南科技大學、德明財經科技大學、嘉義學校財團法人嘉南藥理大學、僑光科技大學、廣亞學校財團法人育達科技大學、吳鳳科技大學、修平學校財團法人修平科技大學、城市學校財團法人臺北城市科技大學、大華學校財團法人敏實科技大學、醒吾學校財團法人醒吾科技大學、文藻學校財團法人文藻外語大學、華夏學校財團法人華夏科技大學、致理學校財團法人致理科技大學、慈濟學校財團法人慈濟科技大學、宏國學校財團法人宏國德霖科技大學、台北海洋學校財團法人台北海洋科技大學、南亞科技學校財團法人南亞技術學院、黎明技術學院、馬偕學校財團法人馬偕醫學院、法鼓學校財團法人法鼓文理學院、馬偕學校財團法人馬偕醫護管理專科學校、仁德醫護管理專科學校、樹人醫護管理專科學校、慈惠醫護管理專科學校、耕莘健康管理專科學校、敏惠醫護管理專科學校、育英醫護管理專科學校、聖母醫護管

理專科學校、新生學校財團法人新生醫護管理專科學校、崇仁醫護管理專科學校、臺北市立大學、高雄市立空中大學、國立東華大學、國立屏東科技大學、輔仁大學學校財團法人輔仁大學、中原大學、中國文化大學、中華大學學校財團法人中華大學、義守大學、銘傳大學、朝陽科技大學、南華大學、南臺學校財團法人南臺科技大學、崑山科技大學、中山醫學大學、明新學校財團法人明新科技大學、中國醫藥大學、萬能學校財團法人萬能科技大學、聖約翰科技大學、中國科技大學、中臺科技大學、亞洲大學、中華醫事科技大學、景文科技大學、南開科技大學、中華學校財團法人中華科技大學、台灣首府學校財團法人台灣首府大學、美和學校財團法人美和科技大學、長庚學校財團法人長庚科技大學、康寧學校財團法人康寧大學、崇右學校財團法人崇右影藝科技大學、中信學校財團法人中信金融管理學院、亞東學校財團法人亞東科技大學、蘭陽技術學院、國立臺灣藝術大學

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2026 通訊大賽
Mobileheroes

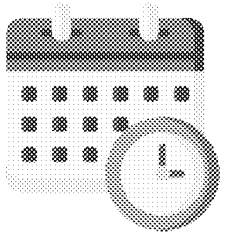
—

Open Call for Proposal

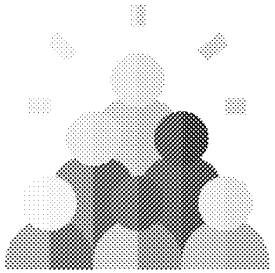
經濟部
產業發展署
Industrial Development Administration, MOEA

Mobileheroes

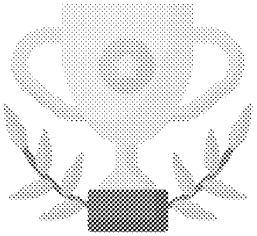
Beyond the arena, it's your pioneering ground for cultivating future elites.



25+ year
Inheritance



10,000+
Elite talents



Communications Oscar
Reputation

Since 2002

We closely follow industry trends, providing a platform for creative practice and talent to shine, making it Taiwan's oldest and most prestigious ICT competition.

經濟部產業發展署
Industrial Development Administration
Ministry of Economic Affairs

iMobileheroes

Trials of keeping pace with the times
2026
Next Chapter
Communication is no longer a medium
The focus is shifting towards assisting companies in exploring forward-looking research and PoC validation that they have not yet invested human or resource resources in
2,486*
participants
2020~2024
2,114
participants
Going global, embracing 5G & AI
2015~2019
842
participants
Smart Cities and the Internet of Things
2009~2011
427
participants
Embrace the Android wave
2002~2005
The beginning of the 3G era
3G
Consumer applications that use communication as a medium
經濟部產業發展署
Industrial Development Administration
Ministry of Economic Affairs
Hubbleheroes

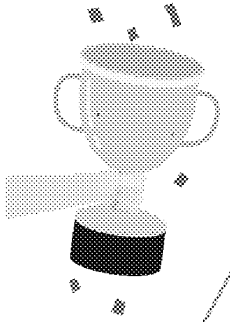
Real Influence

經濟部產業發展署
Industrial Development Administration
Ministry of Economic Affairs

Field validation collaboration driven by venue openness

Taoyuan Airport conducts testing and verification

Receives a special award from the airport company

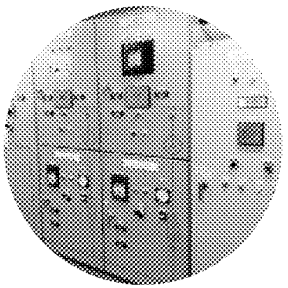


Starting with real-world business challenges

Let world-class elites create customized solutions for you

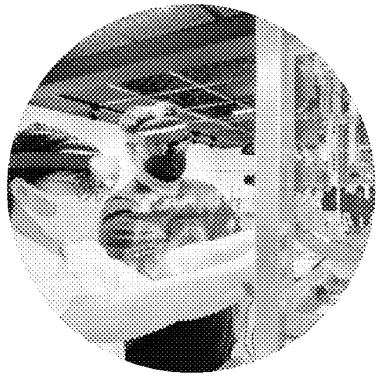
Challenge (Taoyuan Airport Corporation)

The Taoyuan International Airport Company's power maintenance team is challenged by the loss of expertise following the retirement of senior staff.

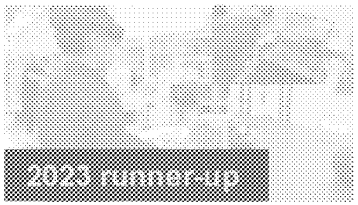


Solution (Yuqian Technology)

Develop a "Smart Remote Education and Training System" that addresses both personnel training needs and remote intelligent inspection requireme.



Industrial Development from Recent Winners (1/2)

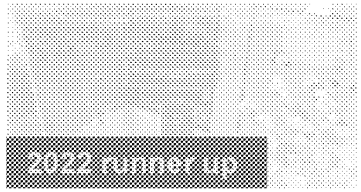


Arxcelerate

Designing AR/MR applications for machine fault SOP procedures with QR code scanning.

Development Achievements

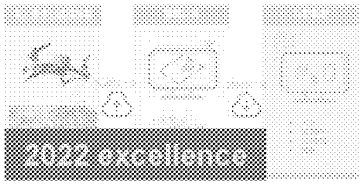
- Collaborating with Detron machine、Advantech, KAPP Precision, and YCM Machinery.



iSynReal

Designing XR smart remote training for new employee education, incident handling, and SOP processes.

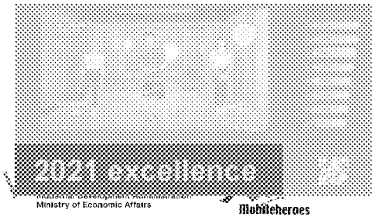
- Collaborating with TSMC and Taipower to promote MR application projects.



Compass Arrow

Using 5G to stream drone tootage for 2D and 3D model reconstruction, improving visualization and terrain estimation.

- Establishing a startup company
- Competing in Entrepreneurship and IMV ESG contests.

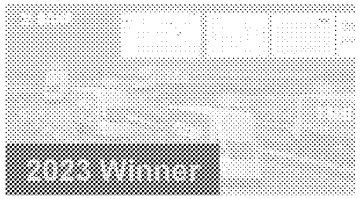
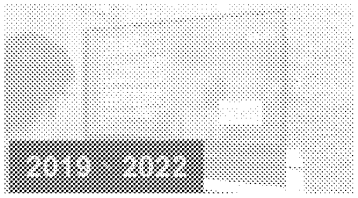
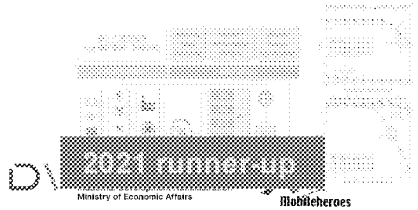


Hi-health technology co.

Developing an AI health platform with Hi-Health GPT for personalized health advice and product recommendations.

- Collaborating with telecommunications provider.
- The collaborative revenue for 2023 is approximately NT$30 million.

Industrial Development from Recent Winners (2/2)

	**BANF iSensor** Designing tire inner liner sensors for real-time data collection and **AI-driven early warnings** to enhance driving safety and reduce operational costs.	Development Achievements • Conducting multiple tests with cross-national corporate partners.
	**VM-Fi S.M.A.R.T. Platform** Developing language translation and multilingual recognition solutions using **5G and AI** to eliminate communication barriers.	• Implemented at Songshan Airport tourist service center and Yehliu visitor center.
	**Lingbo Co., Ltd.** Using IoT to monitor energy inventory levels for proactive delivery scheduling and **active delivery services**.	• Collaborating with Japanese gas meter manufacturers.
	**WISDON** Creating a quality-assured network controller based on O-RAN to prevent signal interference and increase transmission **throughput by over five times**.	• RIC control technology, co-developed with Compal, NYCU, and Viavi, achieved TIP energy-efficient base station bronze certification.

Expanding the Industry Ecosystem: Substantive Collaboration Between the Team and Industry Partners

Hwacom co. x Cyberworks Robotics

Reached a technical cooperation agreement to jointly promote the development of indoor autonomous wheelchair technology.

Hwacom co. x LatenceTech

Reached a technical cooperation agreement to leverage LatenceTech's expertise for efficient 5G network management and optimization, jointly advancing 5G network management system technology.

Chunghwa co. x CoCoTree Technology co.

Leveraging satellite imagery processing and the synergy between GIS and AI, the solution quantifies carbon sequestration to meet ESG demands, earning the trust and partnership of Chunghwa Telecom.

MOU

ESG

The 2026 Theme
AI-Driven : Pave the paths to 5G-advanced and 6G

The 2026 Theme

The competition focuses on【AI-Driven：5G-Advanced / 6G、Non-Terrestrial Networks (NTN), and Edge Computing】
We seek key technologies and system solutions that are deployable, mass-producible, scalable, and capable of real-world implementation.

AI-Driven Network & Edge Infrastructure

Leverage AI to enhance network intelligence, automation, operational efficiency, and edge infrastructure capabilities

(AI-based energy-efficient algorithms, Explainable AI (XAI) monitoring and analytics tools, Edge AI optimization solutions enabling lower-power hardware operation, etc.)

5G-advanced / 6G Radio & Spectrum Innovation

Key technologies advancing radio design, spectrum efficiency, and next-generation wireless communication systems

Non-Terrestrial Networks & Hybrid Connectivity

Focused on integrating terrestrial networks, satellite communications, and hybrid architectures to enable comprehensive coverage and seamless connectivity

Network Testing & Validation

Innovative solutions that accelerate, simplify, or improve network, RF, and system testing, validation, and performance visualization

Vertical Application Based on 5G / 6G

Comprehensive Vertical Industry Solutions leveraging 5G/6G technology to drive digital transformation across diverse enterprise scenarios and industrial ecosystems.

經濟部產業發展署 Industrial Development Administration Ministry of Economic Affairs

iMobileHeroes

Unlocking New Value in Next-Gen Communications through Innovation

Rules (1/2)

Theme

■ AI-Driven : Pave the paths to 5G-advanced and 6G

This competition is centered on the core theme of AI-Driven Network & Edge Infrastructure.

The following sub-themes are included and are **AI Preferred**:

- 5G-Advanced / 6G Radio & Spectrum Innovation
- Non-Terrestrial Networks & Hybrid Connectivity
- Network Testing & Validation
- Vertical Application Based on 5G / 6G

■ We seek **implementable** and **deployable** solutions—ranging from **chips and hardware to software and platforms**. Submissions must **clearly define their strategic role and tangible value within next-gen network architectures**.

■ Each submission must meet the following criterias:

- Completion of a **Proof of Concept (PoC) or experimental trial**
- **Availability of pilot customers** or **real-world deployment environments**
- A clearly **defined go-to-market strategy** and **commercialization pathway**

Eligibility

- Targeting startups and emerging creative teams within small and medium-sized enterprises (SMEs).
- Open to participants of all nationalities and ages, including students and working professionals.

Screening Process

- Online review selects 20 teams (Top 20)
- Virtual Pitch during the online meeting selects 10 teams (Finalists)
- In the on-site finals, the top 3 teams will be selected as final winners

Language

- English

Rules (2/2)

Criteria for Selection

20%—Innovativeness

- Whether the project is novel to the market and addresses or improves existing problems, products, or services.

30%—Technology readiness

- Whether the proposed application or service is technically feasible and supported by the team's technical expertise.

30%—Business Potential (in Taiwan is a plus)

- Whether the project demonstrates potential for collaboration and commercial development in Taiwan.

20%—Sustainable development

- Whether the project includes a feasible and sustainable implementation plan, supported by relevant evidence or data.

Judging Panel

- The jury is headed by a Chief Convenor who is responsible for chairing the evaluation meetings and coordinating related tasks with the judges.
- The judging panel is composed of representatives appointed by sponsoring companies.

Top 3 Winners

Gold Medal Award	Merit Award	Judges Award
USD30,000	USD20,000	USD10,000

Additional Non-Monetary Resources

Business Training	Sponsor Company Visits	Media Interviews

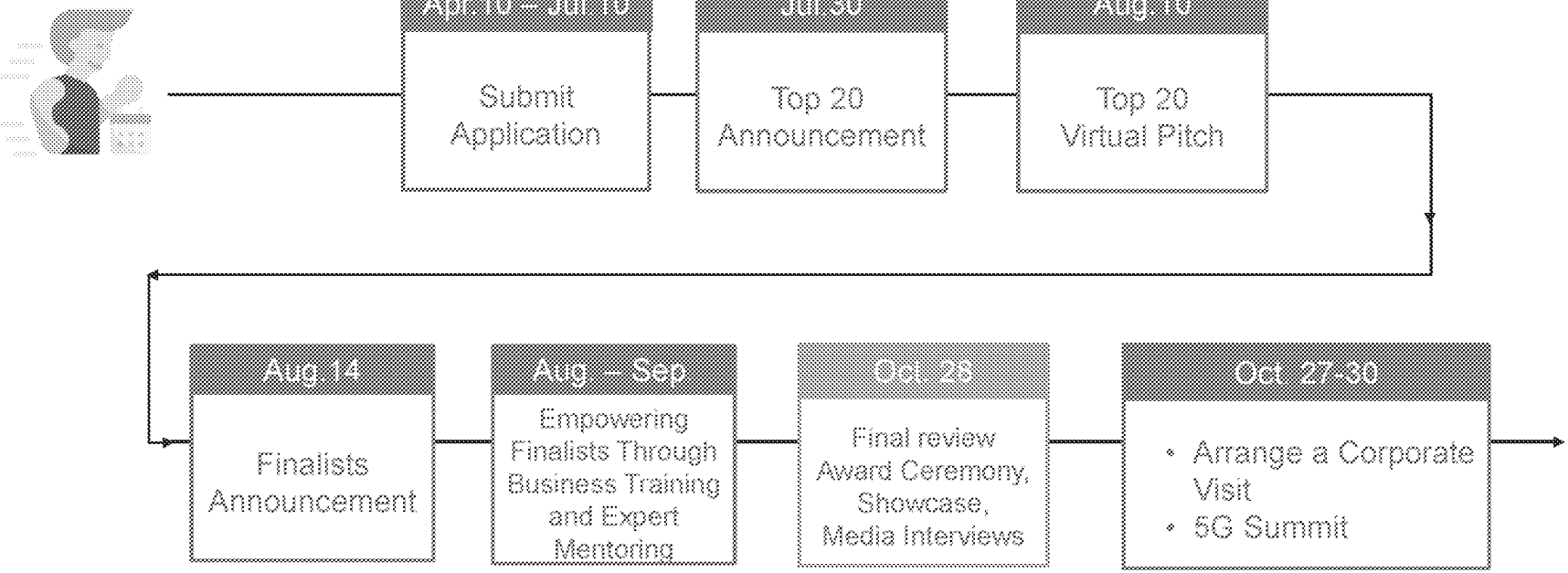
經濟部產業發展署 Industrial Development Administration Ministry of Economic Affairs

iMobileHeroes

The organizer reserves the right to change or adjust the competition regulations and prizes

2026 Important Timeline

This year's communication competition features a global theme, "Mobileheroes Global," targeting creative applications and talent from the international technology and communication industries. The initiative aims to help enterprises discover practical, cross-domain solutions and prospective project partners.



For enquiries on Mobileheroes 2026, feel free to reach out to the Organizing Team.

Taiwan's longest-running ICT competition

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經濟部產業發展署
Industrial Development Administration
Ministry of Economic Affairs

Mobileheroes

Attachment

Winners of Mobileheroes

2025 Winners of Mobileheroes

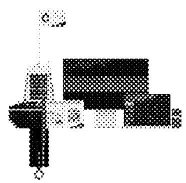
Waterly

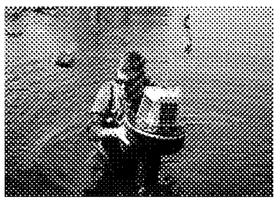
@Gold Medal Award

Water pollution incidents cause significant damage, but traditional monitoring is slow, expensive, and infrequent. To address this, we developed Waterly, an autonomous, AI-powered real-time water quality monitoring system.

Our solar-powered IoT buoy offers "plug-and-play" deployment in any water body, continuously tracking key parameters like pH and dissolved oxygen. Data is streamed to a cloud platform, where AI predicts trends and sends instant alerts upon detecting anomalies.

At TRL 8 and currently deployed in Poland, Waterly increases monitoring frequency by 26,000 times compared to manual sampling while slashing costs. It empowers users to prevent ecological disasters, protect fisheries, and meet ESG goals.





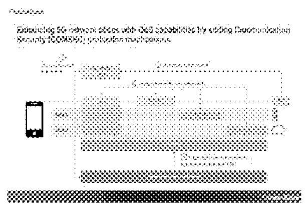
FiduciaEdge Technologies

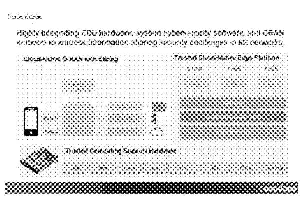
@Merit Award

Building 5G private networks is costly, creating barriers for enterprises. The TSORAN solution addresses this by allowing private and public traffic to securely share 5G O-RAN infrastructure, significantly reducing deployment costs.

Its core technology uses a trusted cloud-native server to dynamically create secure network slices, each operating within an independent Trusted Rich Execution Environment (T-REE). This ensures strict information isolation and QoS. This software-defined architecture allows multiple tenants to coexist on a unified network while maintaining traffic separation.

Currently undergoing field tests with an active link between Taiwan and Poland, TSORAN confirms significantly lower deployment cycles and integration costs compared to traditional solutions. It provides a secure, flexible, and cost-effective foundation for 5G+IoT+AI applications



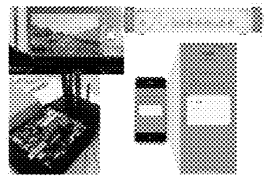


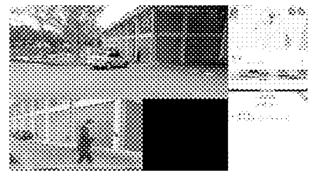
Angel Eye

@Judges Award

To achieve "Zero Traffic Fatalities at Intersections by 2025," our team developed Angel Eyes, a pedestrian-centered B5G intelligent sensing system. Unlike camera-based solutions limited by blind spots and weather, Angel Eyes utilizes Integrated Sensing and Communication (ISAC) technology, allowing base stations to detect pedestrians and vehicles like radar, overcoming visual obstructions for centimeter-level precision.

Data is processed via edge computing, where AI models perform trajectory prediction and risk assessment. When collision risks exceed thresholds, alerts are instantly pushed to smartphones and vehicle HUDs. Successful campus experiments simulating non-line-of-sight scenarios validate the system's ability to monitor high-risk intersections, truly realizing a "vehicles yielding to pedestrians" safety concept.



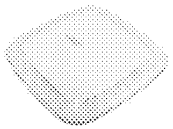


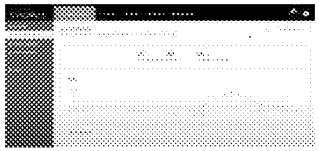
2024 Winners of Mobileheroes

Ataya(Taiwan)

@Gold Medal Award
@CHORUS

The Ataya team integrates cloud management systems with cloud-based 5G core network services, embedding core functions into the gNB for a plug-and-play Chorus AP. Like a Wi-Fi AP, users simply connect power and network cables for instant private 5G services. All data is transmitted locally. The system simplifies device access and allows remote monitoring via a cloud dashboard. Chorus AP applies to retail, gas stations, oil & gas operations, smart agriculture, and emergency systems, enabling rapid point-to-point connections in small deployments.

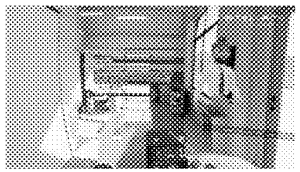


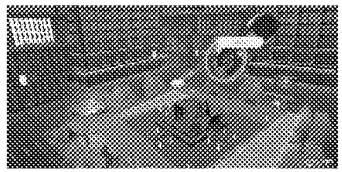


OVA (Canada)

@Merit Award
@StellarX

The platform supports most standalone headsets, including Meta Quest 3. Users can import their own 3D models, images, and other media files into the asset center, with support for multiple file formats such as GLB, GLTF, OBJ, and FBX. StellarX provides an intuitive interface to arrange these assets in immersive environments without requiring any programming skills.
One of StellarX's primary applications is in education and training. It simulates real-world scenarios to deliver unmatched interactive experiences. Successful use cases span fields such as firefighting, defense, and urban management. For example, it has been used to simulate complex maritime environments, helping crew members conduct daily training in realistic settings. Feedback indicates that it improves training outcomes and facilitates efficient teamwork.

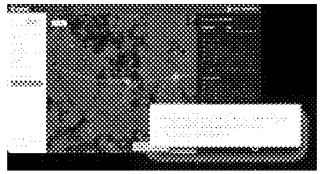


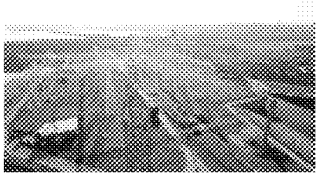


Enline (Portugal)

@Judges Award
@Enline

Enline targets power equipment managers needing advanced tools for monitoring, maintaining, and optimizing energy infrastructure. It offers dynamic line rating, vegetation management, and fault detection using digital twin technology, AI, and machine learning. These innovations improve energy efficiency, enable real-time monitoring, and enhance renewable energy integration while reducing costs and environmental impact. In one case, Enline reduced energy losses by 30%.
Unlike similar products, Enline requires no additional sensors or hardware, making it a software-based, maintenance-free solution with full remote management. Its predictive capabilities include trend identification and risk forecasting.



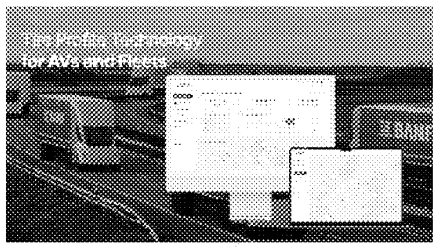


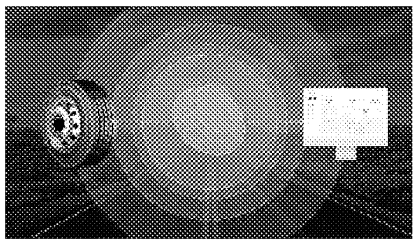
2023 Winners of Mobileheroes

BANF (South Korea)

@Winner

The iSensor, installed inside tires, collects real-time data on tire conditions, enhancing vehicle maintenance efficiency and providing early warnings through AI analysis to prevent accidents. It addresses issues like misalignment and low tire pressure, reducing fuel consumption and increasing fleet efficiency by 20%. The product stands out with embedded sensors for real-time information, and collaborative tests with multinational partners affirm its role in enhancing safety and productivity in the logistics industry.

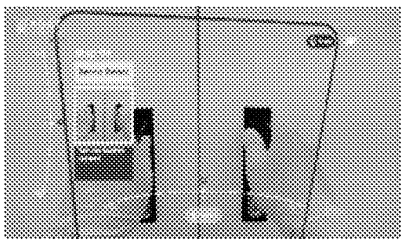


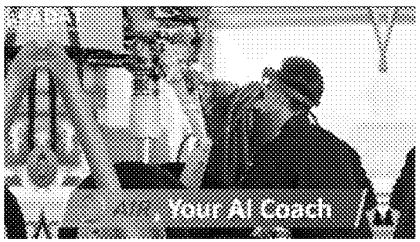


ADAT Technology (Taiwan)

@Runner-Up

The team has launched the ADB platform with the aim of enhancing work environments. This platform serves as an AI coaching app, assisting experts in various fields to digitize their knowledge and provide real-time guidance to employees. ADB, a no-code platform with numerous patents, allows users to customize AR applications without programming expertise. During development, users can create AR components, integrate voice and visual aids, design workflows, and use personal videos or photos for AI model training. Employees can access applications through tablets or AR glasses for tasks like AI anomaly detection, route guidance, AR map navigation, and maintenance SOP guidance in factory environments.





Mobileheroes Global 通訊天線系統設計競賽

獎金總額高
逾600萬元獎金

精準媒合掌握
超過15家指標企業

平台資源廣
結業師、技術、
場與行銷等跨域
合資源

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https://eii.nat.gov.tw/mobileheroes/en/Index/Index

報名截止時間

Mobileheroes Global 2026年7月10號 (星期五) 12:00pm

通訊天線系統設計競賽 2026年6月30號 (星期二) 12:00pm

主辦單位 經濟部產業發展署 Industrial Development Administration, MOEA

執行單位 IDA 網通產業發展推動辦公室 Communications Industry Development Project Office; 工業技術研究院 Industrial Technology Research Institute

協辦單位 NSYSU ANTENNA LAB

贊助單位 auden 耀登集團 Auden Techno Corp; awan; 中華電信 ChungHwa Telecom; COREGRID; CYBERNET 思渤科技 CYBERNET SYSTEMS TAIWAN; 遠傳 FET; Hwacom 華電聯網; 英業達 Inventec; MEDIATEK; METANOIA; 廣達電腦 Quanta Computer; SiMUTECH 士盟科技; 台灣大哥大 Taiwan Mobile; 桃園國際機場股份有限公司 Taoyuan International Airport Corporation Ltd.; WNC 啓基科技股份有限公司; wistron

合作夥伴 baltic sandbox; IEEC Institut d'Estudis Espacials de Catalunya; 丁客邦; 台灣區電機電子工業同業公會 Taiwan Electrical and Electronic Manufacturers' Association; Technology Park Split; Zen Consortium

經濟部產業發展署廣告