

# AI INNOVATION AWARD 2026 AI 創新獎

# Ai

## 2026 AI Innovation Award Competition Overview

主辦單位 |



共同主辦單位 |



仁寶電腦  
COMPAL



台北市電腦公會  
Taipei Computer Association

## GLOBAL TREND //



## From Cloud to Physical

AI development is no longer confined to cloud computing, but extends into the physical world (Physical AI or Embodied AI), possessing perception and action capabilities.

## Investment by Global Tech Giants

Tech giants like Tesla and NVIDIA view Physical AI or Embodied AI as the core of the next revolution, investing massive resources in development.

## Taiwan's Key Advantages

Boasting globally leading semiconductor manufacturing, a deep hardware foundation, and booming AI R&D energy, it is the best testing ground for development.

# Are you currently using AI to do the following?

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## Developing Robots and Sensing Systems



Enabling AI to "understand the scene" through cameras or sensors and make immediate judgments and reactions.

## Building Smart Manufacturing and Automation



Putting AI into factories, production lines, or warehouses to make equipment smarter and operate automatically.

## R&D in Smart Healthcare and Caregiving



Using AI to assist doctors in diagnosis, long-term care monitoring, or improving medical safety and quality.

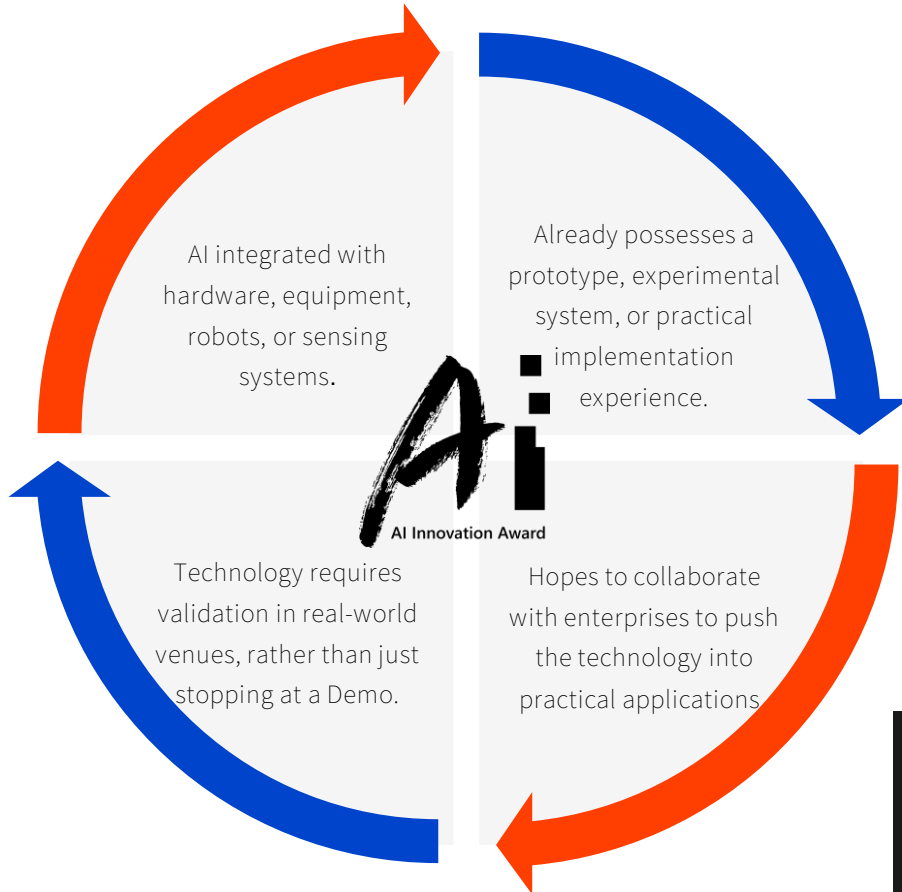
## Exploring Edge Computing and IoT



Allowing AI to operate directly on devices, reacting in real-time without waiting for the cloud.

# We are looking for teams like this...

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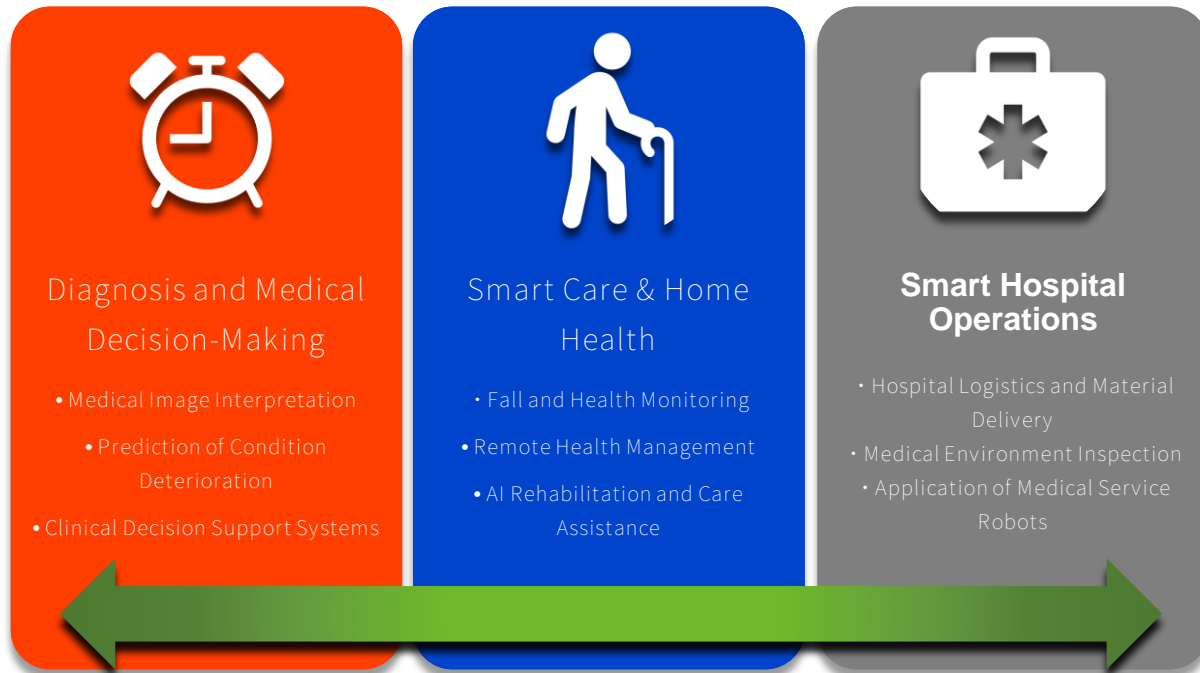


If your AI has already begun to touch the real world, you are the ones we are looking for.



In fields such as healthcare, life support, and caregiving, possessing the ability to understand human behavior and interact naturally.

Focusing on Physical AI or Embodied AI capable of sensing, adapting, and acting in physical spaces.





## Substantial Grand Prize

A top prize of up to NT\$2,000,000 for a single outstanding team.

## Industry Exposure

Gain valuable opportunities for industry visibility, technology publications, and exhibition promotions.

## Real-World Validation

Integrate your solutions with practical corporate demands and conduct testing in actual medical settings.

# Grading Criteria

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Preliminary Review :  
Technical Threshold and Advancement Selection  
(Document & Video)

Secondary Review : Implementation & Pitch

(Important Note: Teams advancing to the Secondary Review are required to travel to Taiwan to participate in the in-person evaluation.)

**30%**

Scenario Pain Points and Solutions:

Does it accurately address the industry pain points in the competition topic? Does AI directly affect "equipment behavior or physical decision-making," rather than just analyzing data?

**30%**

Function Execution Success Rate:

Can it complete tasks in physical testing (e.g., movement, operation, sensing, judgment) with stability and reproducibility?

**25%**

Technological Innovation and System Architecture:

Does it integrate sensing, control, and decision-making models? Is the integration logic of AI, hardware, and control systems reasonable and feasible?

**25%**

Perception-Decision-Action Integration Capability:

Can the system perceive environmental changes in real-time, interact through the physical system, let AI make decisions, and drive the equipment to produce correct and verifiable actions?

**25%**

Hardware Integration and Implementation Plan:

Does it accurately address the industry pain points in the competition topic? Does AI directly affect "equipment behavior or physical decision-making," rather than just analyzing data?

**25%**

System Design Completeness and Engineering Thinking:

Is the system architecture complete? Can the division of labor between perception, decision-making, and action modules be explained, as well as the operation and corresponding logic in different scenarios? .

**20%**

Business Model and Marketability:

Does the solution have a viable business model design and market potential?

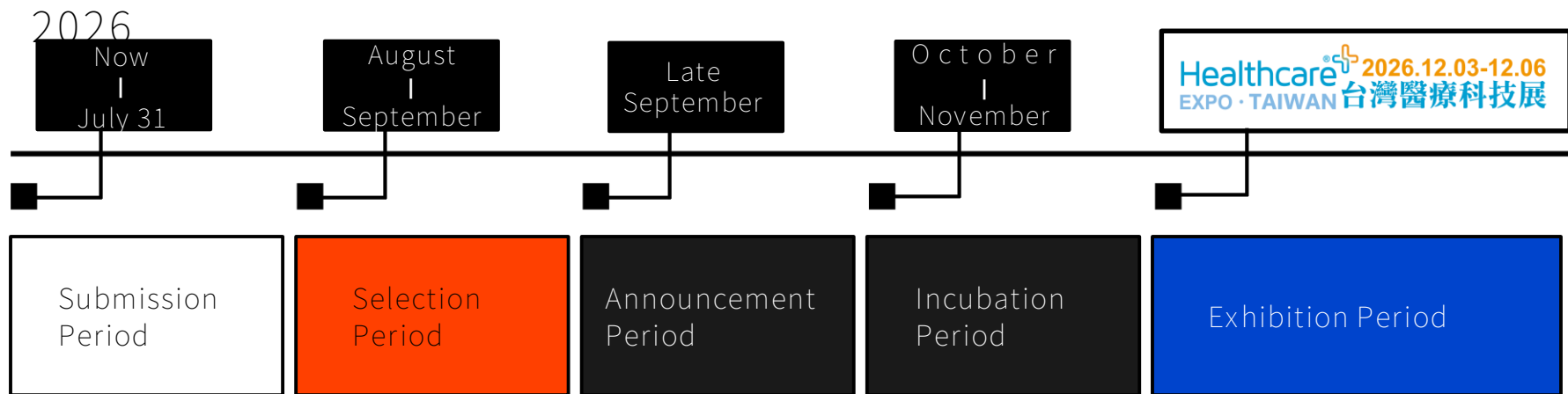
**20%**

Commercial System Integration:

Is the system easy to deploy? How is the efficiency of edge computing? The completeness and aesthetic appeal of hardware-software integration

# Competition Timeline (UTC+8)

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## How to Apply ?

International teams should apply by email. A completed application package must include:

- Completed [2026 AI Innovation Award Application Form](#)
- Signed [2026 AI Innovation Award Participant Agreement](#)
- Supporting materials (if applicable)

Submit them directly to our email:

[Service@ai-innovation-award.org](mailto:Service@ai-innovation-award.org) before the submission deadline (July 31, 2026, 17:00).

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Register now

Taipei Computer Association (TCA)

✉ Email: [Service@ai-innovation-award.org](mailto:Service@ai-innovation-award.org)

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