



建築機械人實戰比賽

CONSTRUCTION ROBOT PRACTICAL COMPETITION



建築機械人實戰比賽為參賽者提供了一個獨特的平台，讓機械人系統在指定環境中進行比賽，展現其在建造業的潛力！各公司可提交不同類型機械人的申請，評估將根據每個機械人在執行特定任務時的實際操作進行。比賽將包括以下類型的機械人：

The competition aims to provide a platform for robotic systems that perform similar functions to compete in a controlled environment. Each company may submit applications for different types of robots. Evaluations will be based on the real practical operation of each robot in performing specific tasks. The following types of robotic systems will be featured:

鑽孔機械人
Drilling Robot

焊接機械人
Welding Robot

物料搬運機械人
Material Transport Robot

油漆機械人
Painting Robot

牆板安裝
Wall Installation

無人機巡檢
Drone Inspection

地面整平
Concrete Smoothing Robot

參賽資格 商業機械人公司
Eligibility Commercial Robot Company

截止報名日期
Deadline for Application

2025.5.7



比賽模式 Competition Format

第一階段

STAGE 1

參賽者提交申請：

1. 通過填寫線上表格提交自己的機械人系統
2. 提交展示機械人操作的視頻，而視頻為必須提交的項目。

Applicants are invited to submit:

1. Their own robotic system by completing the online form.
2. Submit a video to demonstrate the operation of the robotic system. The video submission is mandatory.

第二階段

STAGE 2

入圍的參賽者將在五月下旬於現場執行特定任務，以進行實際評估，此次評估將由專業評審小組進行。（任務的詳細信息將發送給合資格參賽者。）

Shortlisted applicants will advance to Stage 2, where they will perform specific tasks onsite in late May for practical evaluation. This assessment will be conducted by a professional judging panel. (Details of the tasks will be distributed to the eligible applicant.)

第三階段

STAGE 3

入圍的參賽者將有機會於**2025年7月31日**進行展示其機械人系統，最終勝出者將由評審團及行業持份者共同選出。

Shortlisted applicants will progress to Stage 3, where they will have the opportunity to present their robotic system on 31 July 2025. The final winner will be selected by our judging panel and alongside industry stakeholders.

評審準則 Judging Criteria

評估將考慮以下關鍵因素：

The evaluation criteria for the competition will include the following key factors:

- 安全性 Safety
- 速度 Speed
- 質量 Quality
- 實用性 Practicality
- 外觀 Appearance

實戰比賽時間表 Timeline

截止報名日期
Deadline for Application

**2025
5.7**

**5月 May
評審
Screening**

**6月 June
現場實測
Onsite
Practical Test**

**2025
7.31**

**頒獎典禮
Award
Ceremony**