



2022 CIC CONSTRUCTION INNOVATION AWARD 建造業議會創新獎

INTERNATIONAL

Besafe (AI Safety Monitoring System)

Tsinghua University, Gammon Construction Limited & Huarui Artificial Intelligence Technology (Beijing) CO. LTD

Grand Prize

Intelligent Generative Design for Building Structures

Department of Civil Engineering, Tsinghua University

1st Prize

MiC Adaptive Production Robotics System (MAPROS)

China Construction Science and Technology Corporation (CCSTC), Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences (CAS-SIAT), & Department of Building and Real Estate, The Hong Kong Polytechnic University

2nd Prize

Assembled Decoration Fast Refurbishment Technology System

Beijing Guobiao Building Technology Co., Ltd

Merit

Exterior Wall Spraying Robot

Guangdong Bright Dream Robotics Co., Ltd.

Merit

LOCAL

Construction Innovation in Cross Bay Link Main Bridge and Associate Works

China Road and Bridge Corporation

Grand Prize

CONSTRUCTION PRODUCTIVITY

Automation System for MiMEP Production Gammon E&M Limited	1st Prize
Construction Scheme for Off-site Assembly, Overall Transportation, Jacking and Installation of the Sky Bridge at the HK International Airport China State Construction Engineering (Hong Kong) Limited	2nd Prize
C-Smart Integrated MiC for Rapid Construction of Community Isolation Facilities China State Construction Engineering (Hong Kong) Limited	Merit
Rotational Bridge Launching Sanfield (Management) Limited	Merit

CONSTRUCTION SAFETY

Smart Site Management Hub for Central Kowloon Route Central Kowloon Route Project, Highways Department, HKSAR Government, Arup-Mott MacDonald Joint Venture & Chain Technology Development Co. Ltd	1st Prize
CONDUCTOR Arup & Swire Properties Limited	2nd Prize
C-Smart : Smart Safety System Transcendence Company Limited	Merit
Rectangular Tunnel Boring Machine Civil Engineering and Development Department, HKSAR Government, Ove Arup & Partners HK Ltd., Build King Holdings Limited & Shanghai Tunnel (HK) Co., Ltd.	Merit
Modular Roof Erection System for Terminal 2 Expansion at HKIA Gammon Construction Ltd.	Merit

CONSTRUCTION SUSTAINABILITY

EcoBricks Sustainable Concrete Solution EcoBricks Limited	1st Prize
Paradigm Transforming Technology - "Self-healing Recycled Fibre-reinforced Cementitious Composite" Hip Hing Construction Company Limited, Nano and Advanced Materials Institute Limited & The Hong Kong University of Science and Technology	2nd Prize
Advanced Manufacturing Centre Gammon Construction Ltd & Hong Kong Science Park	Merit
Sustainable Core-Bide Method Gammon Construction Limited, Meinhardt (C & S) Ltd, Mandarin Oriental Hong Kong Ltd, Hongkong Land Limited	Merit
Expandable Housing by MiC Jockey Club Design Institute for Social Innovation, The Hong Kong Polytechnic University, Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch), The Hong Kong Polytechnic University & Leigh & Orange	Merit

YOUNG INNOVATORS PRIZE

Mobile Cable-driven Robot System for Contact-based Façade Inspection The Chinese University of Hong Kong, CUBE Robotics Limited & Architectural Services Department, HKSAR Government	Young Innovators Prize
Process Improvement through BIM Automation Hip Hing Construction Company Limited	Merit
The Next Generation of Data Cloud BEAM Society Limited	Merit

YOUNG INNOVATORS PRIZE (STUDENT)

Autosafe - AI Automatic Danger Detection on Site Hong Kong University of Science and Technology & Imperial College	Young Innovators Prize (Student)
Hand-pushed Re-bar Tying Machine Hong Kong Center for Construction Robotics	Merit