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## **CIDB LAUNCHES MAN VS ROBOTS BATTLE TO STUDY IMPACT OF ROBOTICS IN CONSTRUCTION INDUSTRY**

**KUALA LUMPUR, 13 October 2023:** The Construction Industry Development Board Malaysia (CIDB) today launches man vs robotic battle to study impact of robotics in construction industry. The competition titled Transformers: Rise of The Builders Battle 2023 will be held 14 to 16 October at the construction site of Residensi Vista Harmoni, Sentul, Kuala Lumpur.

The program is a collaboration between CIDB Malaysia and MCC Overseas (M) Sdn Bhd (MCCO) to explore the level of productivity and added value of incorporating robotic technology in some construction work trades which involve repetitive task such as tiling, painting and ceiling grouting.

In this battle Southern Score Sdn Bhd, the main contractor for Residensi Vista Harmoni will provide all robots to compete with three teams of skilled workers from six companies which consist of Akademi Binaan Malaysia (ABM) Sabah, ABM Tengah, ABM Sarawak, Boisjaya Enterprise, Protech Enterprise and Susun Atelier Sdn Bhd. Nine judges from academia, industry experts, construction association and contractor has been appointed to take part in the judging process. The winner will be judged based on quality, speed and completeness.

The result of this battle will be announced during the International Construction Week (ICW) 2023 which will be held from 15 to 17 November 2023 at MITEC, Kuala Lumpur.

The use of robotic technology significantly reduces the dependency to human workforce especially on foreign workers. To achieve these goals, the construction industry has turned to a new ally in the form of robotics technology. The usage of Semi-Automated Masonry robots (SAM), demolition robots, drones, and autonomous construction vehicles are currently undergoing active piloting within the industry as part of our autonomous construction initiatives. The adoption of autonomous construction holds immense potential in generating substantial advantages for the construction industry.

“By embracing this cutting-edge technology, we can revolutionise our operations, bolstering work safety, enhancing work efficiency, streamlining repetitive tasks, and unlocking opportunities for construction in previously unattainable areas”, said Dato’ Sr Mohd Zaid Zakaria, Chief Executive after officiating the launched of the Transformers: Rise of The Builder Battle 2023.

“The use of autonomous robots that can work tirelessly, and with precision, greatly reducing labour demands while maintaining impeccable quality standards. The incorporation of emerging technologies such as autonomous vehicles and robotic exoskeletons has the potential to significantly advance the construction industry by optimising and speeding up repetitive tasks like bricklaying, painting, and concrete pouring. Digital technologies have the potential to increase worker welfare and optimise the building process, resulting in improved levels of efficiency, safety, quality, and productivity, as well as aligning construction practises towards reaching sustainable goals”, added by Dato’ Sr Mohd Zaid Zakaria.

All of these technologies have culminated in projects that are completed faster, more cost-effectively, and with impeccable quality. These machines, despite their remarkable capabilities, are tools in the hands of skilled human operators. The workforce has transitioned into supervisors, managers, and innovators, overseeing and optimizing robotic operations. This transition not only secures jobs but also makes them more

rewarding and less physically demanding. By adopting these technologies, it will save the environment, reduces waste, increases efficiency in resource usage and promotes environmentally friendly construction methods that are greener, more sustainable for the future generations.

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### ***About CIDB Malaysia***

*The Construction Industry Development Board was established under the Construction Industry Development Act (Act 520) to develop the Capacity and Capability of the Construction Industry through Enhancement of Quality and Productivity by Placing Great Emphasis on Professionalism, Innovation and Knowledge in the Endeavour to Improve the Quality of Life.*

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