



## Media Release

# Hong Leong Asia and Sunway Construction Open Largest Integrated Construction and Prefabrication Hub in Singapore, Boosts Capacity for Precast Manufacturing

- Investments made to strengthen precast production capabilities in Singapore; improves supply chain resiliency in the construction of dwelling units
- Automation of construction processes and sustainable construction applications enhance the quality of precast components, increasing productivity gains
- Prefabrication facility is BCA Green Mark Gold certified with green design features adopted for efficient use of resources such as energy and water, and a cleaner work environment

**Singapore, July 21, 2023** – Hong Leong Asia Ltd (“HLA”) and Sunway Construction Group Berhad (“SunCon”) today officially opened HL-Sunway Prefab Hub, the largest integrated construction and prefabrication hub<sup>1</sup> (“ICPH”) in Singapore.

The HL-Sunway Prefab Hub was launched today by Mr Desmond Lee, Minister for National Development and Minister-in-charge of Social Services Integration, together with Mr Kwek Leng Peck, Executive Chairman of HLA, Tan Sri Dato’ (Dr) Chew Chee Kin, President of Sunway Group, Mr Stephen Ho Kiam Kong, Chief Executive Officer of HLA, and Mr Chung Soo Kiong, Managing Director of International Property Development of Sunway Berhad.

Built on reclaimed land, the 3.8-hectare precast manufacturing facility is installed with state-of-the-art technology to produce a wide range of building components including Prefabricated Prefinished Volumetric Construction (“PPVC”) components, Precast Bathroom Units, Precast Household Shelters as well as Large Panel Slabs under one roof. The production of precast components locally in Singapore will further improve the precast supply chain resiliency of the built environment sector.

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<sup>1</sup> <https://www1.bca.gov.sg/buildsg/productivity/design-for-manufacturing-and-assembly-dfma/integrated-construction-and-prefabrication-hub-icph>



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## **Driving Operational Efficiency with Automation**

Leveraging Design for Manufacturing and Assembly (“DfMA”) technologies, HL-Sunway Prefab Hub is well-equipped for total design flexibility, all-weather performance, long-term quality, and cost-effectiveness.

In line with the built environment sector’s transition to higher construction productivity and a healthier and cleaner work environment, indoor machining such as rebar mesh production machines are installed to increase productivity and safety. At the same time, this streamlines manufacturing processes whilst reducing quality non-conformances and increasing the overall production throughput.

Mr Neo Choon Keong, Deputy Chief Executive Officer for Industry Development at the Building and Construction Authority, said: “ICPHs are in support of industry transformation, in particular the move towards Advanced Manufacturing and Assembly. The ICPHs will help to raise construction productivity through wider adoption of prefabrication, and enhance precast supply resilience. To achieve the full benefits, the industry must design and construct with greater standardisation of the precast components, to make construction more manufacturing-like. This will enable the adoption of robotics and automation solutions in both off-site production and on-site installation.”

HL-Sunway Prefab Hub is equipped with the largest Automated Storage and Retrieval System (“ASRS”), a robotic warehousing system where precast components are systematically stored in drawer units, located and retrieved, in Singapore. With 26 production lines and housing two Automated Precast Production Systems, overall productivity is expected to improve by up to 80% when operating at capacity. Together with 54 loading bays for easy discharge of goods, HL-Sunway Prefab Hub will be able to supply 100,000m<sup>3</sup> of precast elements for 2,500 dwelling units annually.

Tan Sri Chew Chee Kin, President of Sunway Group, said: “Sunway and Hong Leong Asia share a common vision and aspiration in our journey towards innovation, efficiency and sustainable development for the built environment. This hub represents the seamless integration of cutting-edge technology, intelligent design, and the expertise of our skilled workforce. It signifies a paradigm shift in the built environment sector today by harnessing the use of prefabrication and modular construction methods.”



## Contributing to Sustainable Construction

In addition to the manpower-efficient automation technologies at HL-Sunway Prefab Hub, the manufacturing facility is a Green Mark Gold certified building, awarded by the Building and Construction Authority (“BCA”) under the Green Mark for Non-Residential Buildings NRB: 2015 scheme. The green building certification illustrates HL-Sunway Prefab Hub’s commitment to invest in innovation and environmental sustainability.

Key green features at HL-Sunway Prefab Hub include:

- Greener practices for construction processes: Tower batching plant with a flying bucket has adopted green building best practices with enclosed raw materials storage and misting spray to lessen dust pollution. Its holistic system design approach also provides a waste water recycling function which will reduce the water footprint and improve operational sustainability at the ICPH.
- Renewable energies: Rooftop solar photovoltaic panels supply 25% of ICPH’s energy consumption and is expected to generate 1,165MWh of electricity a year, enough to power 288 4-room HDB households<sup>2</sup>.
- Healthier working environment for employees: Strategically designed to include natural ventilation and use of daylight to maximise airflow and mitigate heat, which will help to ensure the comfort of our workers.

Mr Stephen Ho Kiam Kong, Chief Executive Officer of HLA, said: “HLA is delighted to have had the opportunity to integrate digital and green technologies into our suite of building solutions that not only build resiliency into our supply chain but also drive the transformation of the built environment. HL-Sunway Prefab Hub ushers in a new chapter of the built environment sector’s green journey and we are pleased and honoured to be a key player for sustainable, advanced manufacturing in Singapore.”

HL-Sunway Prefab Hub is built under HL-Sunway JV Pte Ltd, a 51-49 joint venture between R3 Precast (a building materials business of HL Building Materials Pte Ltd – a wholly owned subsidiary of HLA) and Sunway Concrete Products (S) Pte Ltd (a wholly-owned subsidiary of Malaysia-based SunCon).

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<sup>2</sup> Calculation is derived with reference from <https://www.spgroup.com.sg/sp-services/understanding-the-tariff>



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### **About R3 Precast:**

R3 Precast, part of HLA's building materials portfolio, is a leading precast concrete supplier specialising in the consulting, design and manufacturing of prefabricated building components such as PPVC units for both public as well as commercial sectors in Singapore.

### **About Hong Leong Asia:**

Hong Leong Asia Ltd. ("HLA") has been listed on the Singapore Exchange since 1998 and is part of Hong Leong Group, a Singapore-based conglomerate. We are a diversified Asian multinational with core businesses in construction and transportation. We work closely with customers to develop and deliver innovative and sustainable solutions for cities of the future.

For more information, please visit <https://www.hlasia.com.sg> or follow us on [LinkedIn](#).

### **About Sunway Construction Group Berhad:**

Sunway Construction Group Berhad ("SunCon") is one of Malaysia's largest pure-play construction companies, listed on Bursa Malaysia on 28 July 2015. As an award-winning Group, SunCon has built on its expertise and experience for over four decades. SunCon provides a full range of design and construction services namely building, civil engineering / infrastructure, foundation and geotechnical engineering, mechanical, electrical and plumbing ("MEP") services, sustainable energy services and manufacturing and sale of precast concrete products; offering quality end-to-end solutions for its clients as well as control over timely delivery.

For more information on Sunway Construction, please log on to: [www.sunwayconstruction.com.my](http://www.sunwayconstruction.com.my)

### **Note to Editors**

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