

Minister of Works visits Malaysia's first fully automated robotic IBS factory

Date: 17 August 2017



FOR IMMEDIATE RELEASE

Minister of Works visits Malaysia's first fully automated robotic IBS factory

Sepang (17th August 2017): Minister of Works, YB Dato' Sri Haji Fadillah Bin Haji Yusof made a site visit to Gamuda IBS today, the country's first fully automated robotic Industrialised Building System (IBS) factory. The first-of-its-kind, Gamuda IBS has the technology to customise property products to meet individual specifications.

During his visit, he unveiled two Gamuda IBS show units (900 sq ft and 1,000 sq ft) that has a QLASSIC score of 86%, the highest for a fully constructed IBS residential unit. The Quality Assessment System in Construction (QLASSIC) is a method used by the Construction Industry Development Board (CIDB) Malaysia to measure and evaluate the workmanship quality of a building based on the Construction Industry Standard (CIS 7).

"QLASSIC has stringent requirements that are not easily met through conventional construction methods. In other words, we are assured of the highest standards when construction practices conform to this assessment. "The scoring is significant because our Jade Hills project by Gamuda Land in Kajang, made up of 714 apartment units that we are currently building in this IBS factory, are being constructed according to the QLASSIC standards as the show units," said Gamuda Engineering Sdn Bhd managing director Dato' Ubull Din Om.

CIDB Malaysia's Chief Executive, Dato' Ir Ahmad Asri Abd Hamid commended Gamuda for taking the lead in adopting IBS and benchmarking construction standards according to QLASSIC scoring as this will encourage other industry players to follow suit and invest in increasing productivity and quality in construction as outlined in the Construction Industry Transformation Programme (CITP) 2016-2020.

The CITP comprises four strategic thrusts: Quality, Safety and Professionalism; Environmental Sustainability; Productivity; and Internationalisation, with 20 initiatives identified under these four thrusts to address specific challenges in the construction industry.

"Gamuda IBS, being Malaysia's first fully robotic facility, is an example of how technology in construction can enhance productivity, quality and safety levels at the construction site. The adoption of technology and rating tools such as IBS and QLASSIC will certainly give property buyers the assurance of superior quality, including for affordable housing. The Gamuda IBS show units bear testimony to the fact that fully constructed IBS residential products can be modern in architecture, functional in layout and have high quality finishing," said Dato' Ir Ahmad Asri.

He added that Gamuda IBS is in line with the Government's aspirations to transform the image of the construction industry from its current 3D (Dirty, Dangerous and Difficult) to one that is cleaner, efficient and has shorter construction timelines.

Minister of Works visits Malaysia's first fully automated robotic IBS factory

Date: 17 August 2017



Built at a cost of RM200 million (including land cost), Gamuda IBS in Sepang has the capacity to produce 3,000 apartment units per year, currently.

Gamuda Berhad is building a second IBS factory in Banting and when ready by end 2018, it will feature more product lines covering a wider range including double walls, pre-stressed slabs and pre-fabricated bathrooms.

The local workforce at Gamuda IBS will be trained to use modern IBS technology such as Building Information Modelling (BIM), Common Data Environment (CDE), Robotic machine operations, insulation of panels and construction using IBS. BIM is used to customise design using 3D software while the CDE facilitates the sharing of information for multi-stakeholder use on a single digital platform.

Both Gamuda IBS plants will have a combined workforce of 500 and the capacity to produce 8,000 units per year by end 2018.

Advantages of Gamuda IBS

- Customised Solutions – variation of products for Malaysian market
- Sustainable Construction – high productivity in safe working environment
- Shorter Construction Time – optimising efficiency
- Enhanced & Assured Quality – high IBS and QLASSIC scoring
- Manual work reduced by 63% - reduced dependence on foreign labour

About Gamuda Berhad

Established in 1976, Gamuda has grown over the years to become Malaysia's leading infrastructure and property developer. The group has completed more than 40 large-scale civil engineering projects in Malaysia, Southeast Asia and the Middle East and is currently building the country's largest public infrastructure project, the Klang Valley MRT, which will serve as the backbone to Malaysia's public transportation network.

Issued by Gamuda Berhad

17 August 2017

Media Contact:

Ms Ong Jee Lian ong.jeelian@gamuda.com.my, 012 615 7550

Ms Melissa Lai melissaLLai@gamuda.com.my, 016 600 9664

END