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HYPERSCALE DATA CENTRES SET TO BE GAME CHANGER

Key catalyst for development of AI Park City technopolis

IN the past two years, the world has seen unprecedented changes in how people live and work.

Some parts of the world have been at the mercy of the pandemic, while others have seen enormous growth.

One area that has undergone accelerated growth never seen before is digitalisation, which is common knowledge.

However, along with the digital boom and increased remote working comes a growing demand for hyperscale data centres.

G3 Global Bhd saw this opportunity to get into the hyperscale data centres game and has taken the step to be involved in the planning of AI Park City in Technology Park Malaysia at Bukit Jalil, Kuala Lumpur – the nation's first envisioned AI technopolis.

Key catalyst for development

Powered by the hyperscale data centre, the AI Park City aims to bring an abundance of modernisation, beneficial not just for the locals but the entire nation as well.

Such a colossal mass of digital technology would require equally-monumental drivers to power it.

This is where the hyperscale data centre comes in.

The hyperscale data centre will be the key catalyst for the development of AI Park City and is expected to be housed within AI Park City as well.

It will be the cornerstone project that will fundamentally power all the technological innovations and experiences that are envisioned to be displayed there – the true embodiment and implementation of a single unified multiple technology suite.

This includes artificial intelligence (AI), blockchain, cloud computing, big data, the Internet of Things, and 5G – all seamlessly woven into the fabric of AI Park City's development design to convey that the future is now and it is real.

AI Park City also aims to boost job creation and economic development in Malaysia, giving rise to a new generation of talent well versed in AI and digital technology.

Most importantly, AI Park City will cement Malaysia's position as a leading South-East Asian country for AI research and innovation, stimulating a new generation of high-tech businesses and jobs in the country – with the hyperscale data centre serving as its backbone infrastructure.

When the advantages are seen, this will also possibly be the discovery of a hyperscale data centre goldmine.

According to Structure Research (2021), the global market size of hyperscale data centres is estimated to reach US\$92.4bil in 2025.

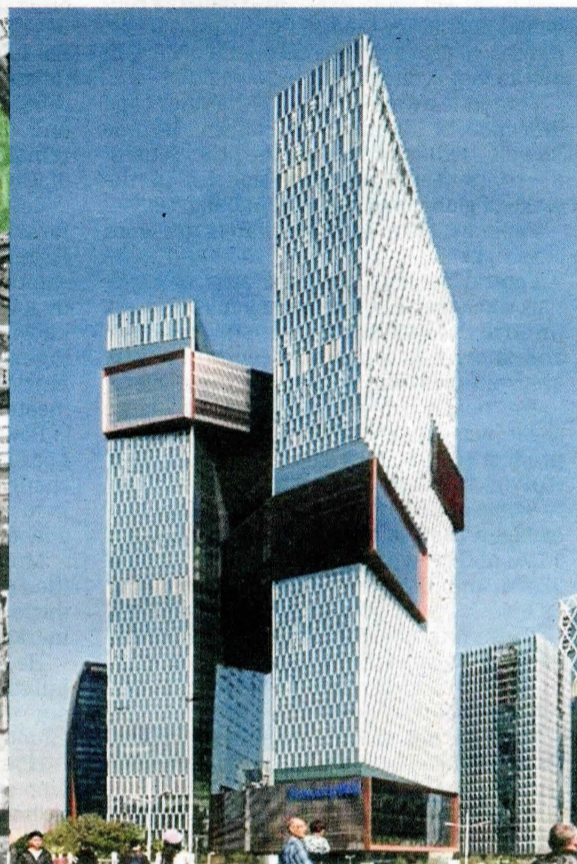
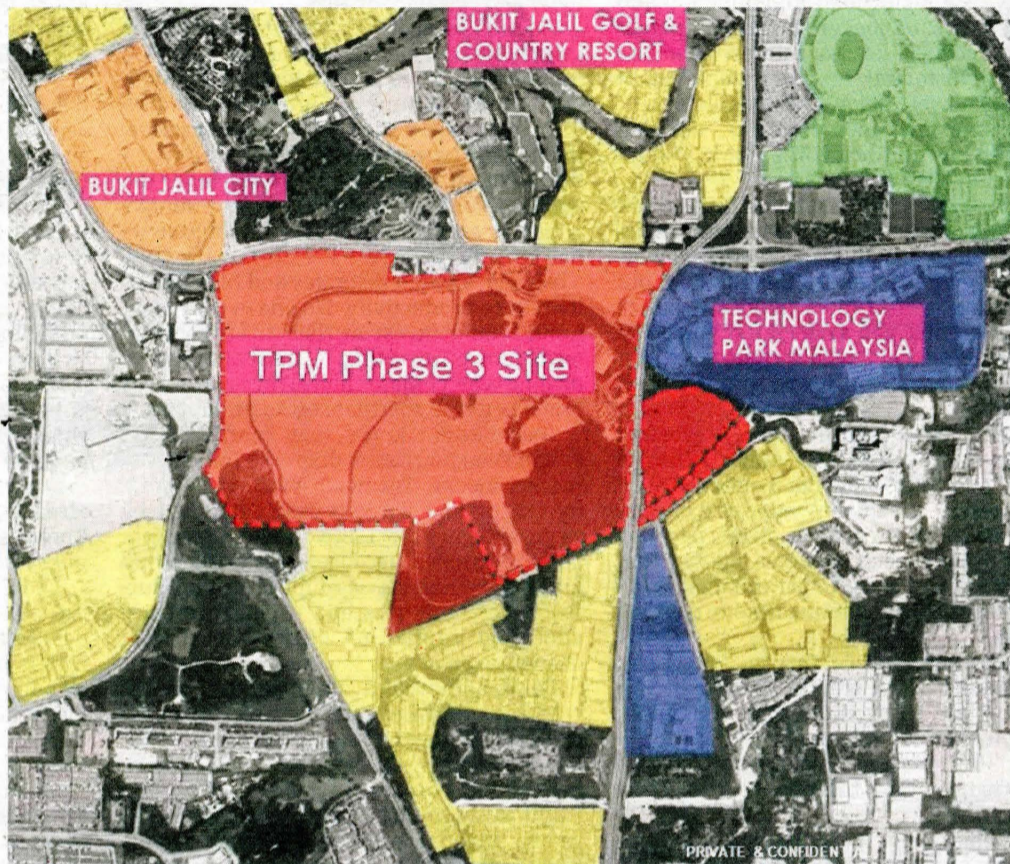
Given the attractiveness of the hyperscale data centre's growth opportunities, many leading global players and operators have been attracted to this region, in key markets such as Singapore and Indonesia.

The many options in the APAC region has led to intense competition, therefore the window of opportunity for Malaysia to jump into the hyperscale data centre game exists in a very short timeline.

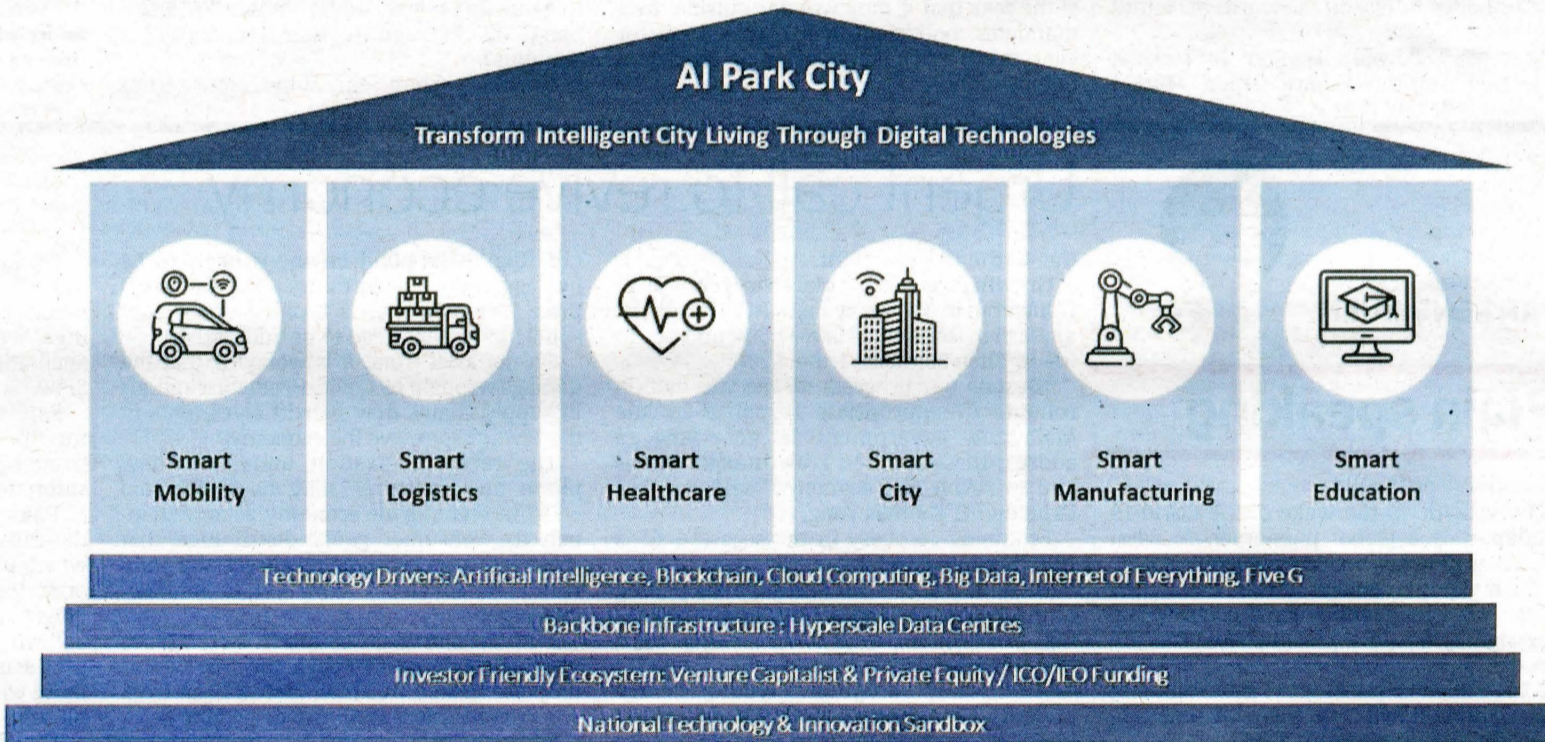
There is a need for accommodative policies, continuous improvement to infrastructure, and closer collaboration across all sectors if we are to build up the hyperscale data centre industry locally.

However, short timeline does not mean it is impossible.

Malaysia is still in an opportune



To be powered by a hyperscale data centre, the AI Park City in Technology Park Malaysia at Bukit Jalil, Kuala Lumpur, will be the nation's first envisioned AI technopolis.



AI Park City aspires to transform intelligent city living through digital technologies

position to be a part of this global growth, in line with Cushman and Wakefield's Data Centre and Projected Capacity Growth report stating that Malaysia can expect a compound annual growth rate (CAGR) of 13% between 2019 and 2025.

Development of the nation

When introduced to the rest of Malaysia appropriately, hyperscale data centres can effect a catalytic impact on other industries by bringing in large global and regional enterprises, as well as their expertise, to the market.

Hyperscale data centres can help to facilitate the country's efforts in migrating the public sector's data onto hybrid cloud systems, which is

anticipated over the next two to five years.

This migration will give rise to more cost-effective solutions and more efficient means to process, access and use data.

Subsequently, continuous demands of digitalisation and management of remote workforces through cloud-based solutions will also compel the private sector to shift towards cloud systems faster – reinforcing the need for hyperscale data centres.

With more of these hyperscale data centres in Malaysia, a wealth of benefits will be introduced to the economy – for example, faster and smoother cloud services due to lower latency and better response rates to support online activities such as financial transactions,

online education, remote working, even entertainment.

Catalytic projects such as the AI Park City, with hyperscale data centres anchoring it, can serve as economic multipliers for numerous sectors like real estate, utilities, mechanical and electrical services, and human capacity.

Large global firms are steadily showing interest in this landmark project, which will only further increase foreign direct investment (FDI) inflow into the country.

Larger flows of financial transactions will also be kept within Malaysia, as outflow of trade in services to international cloud service providers is reduced.

And of course, better-connected telecommunications.

These are just a few of the bene-

fits and positive impact that Malaysia will see when we advance into this future.

There are so many more ways that hyperscale data centres can serve as economic multipliers for numerous sectors like real estate, utilities, mechanical and electrical services, and human capacity.

However, the initial step needs to be taken.

Malaysia has an abundance of land and a vast potential for digital growth, and we zealously look forward to seeing our dreams be realised.

G3 Global Bhd is committed to making the vision of an entirely-digital Malaysia a reality with the use of hyperscale data centres, and that starts with AI Park City in Technology Park.