

Malaysia: Your Gateway to Southeast Asia's High-Growth Sectors

Strategic Opportunities and Economic Potential

17.09.2024

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About MDEC

Malaysia Digital Economy Corporation (MDEC), a government agency under the purview of the Ministry of Digital, was established in 1996 to lead Malaysia's digital economy. Beginning with the implementation of the MSC Malaysia initiative, we have since then catalysed digital transformation and growth all over the nation. By offering greater incentives and governance for growth and re-investment, we aspire to bolster Malaysia's status as the digital hub of ASEAN, opening new doors and driving shared prosperity for all Malaysians.

Malaysia: Strategic Investment Destination



Key Investment Highlight					
	Digital Economy	Internet Penetration	Digital Infrastructure	Government Policies	International Investments
	Contribution projected >25.5% to nation's GDP by 2025	97.4% from 32.7 mil	RM225 bil approved investment, 70% towards digital economy in 2023	Malaysia Digital Economy Blueprint & other initiatives	USD 2.2 bil by Microsoft (2024-2028)

Global Business Services	AI & IOT	Data Centre & Cloud	Cybersecurity & 5G	Web3 & Blockchain
CAGR 6.2% USD 6.7 bil by 2025 market size	AI Roadmap 2021-2025 aims to boost productivity 30% by 2030 Significant adoption in IoT technologies	Malaysia becoming hub for data centers USD 1.57 bil by 2027 market size	80% 5G coverage by end of 2024 Government to enhance cybersecurity infrastructure	Government actively exploring blockchain technologies to integrate multiple sectors including private and public

Malaysia: Strategic Location and Facilities

Geographical Advantage



Prime Location At Crossroads of Asia-Pacific

Gateway to major regional markets such as Singapore, China, India and Australia

Low latency connectivity and facilitates seamless data transmission and exchange



Centre of Southeast Asia

Market of 663.9 million people with a combined GDP of USD 3.3 trillion



Next To One of The World's Busiest Shipping Lanes

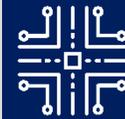
Straits of Malacca, providing access to the global supply chain via two key Malaysian ports; Port Klang and Port of Tanjung Pelepas



Well-Connected To Major Cities In Asia

Within 8 hours flight from Mumbai in India to Beijing in China

Facilities Readiness



Advanced Digital Infrastructure

Robust Fiber Network: Extensive fiber-optic supports local enterprise and multinational corporations

Telecommunications Connectivity: Sophisticated telco with multiple carriers and high-speed internet technology, enhances business operations



Data Center & Cloud Hub

Growing Data Center Market: Market valued at USD 1.06 billion in 2021, expected to reach USD 1.57 billion in 2027

Significant Investment: Recent USD 2.2 billion investment from Microsoft to expand cloud and AI services



Government Support & Incentives

Digital Investment Office (DIO): Crucial role to facilitate digital investments and fostering technological innovation

Investment Incentives: Proactive regulatory reforms and investment incentives including tax breaks and infrastructure development programme

Investment Opportunities (1)

Global Business Services (GBS)

GBS HUB

GBS Node@Bayan Lepas

Malaysia Semiconductor Accelerator
& IC Design Park@Selangor Hub

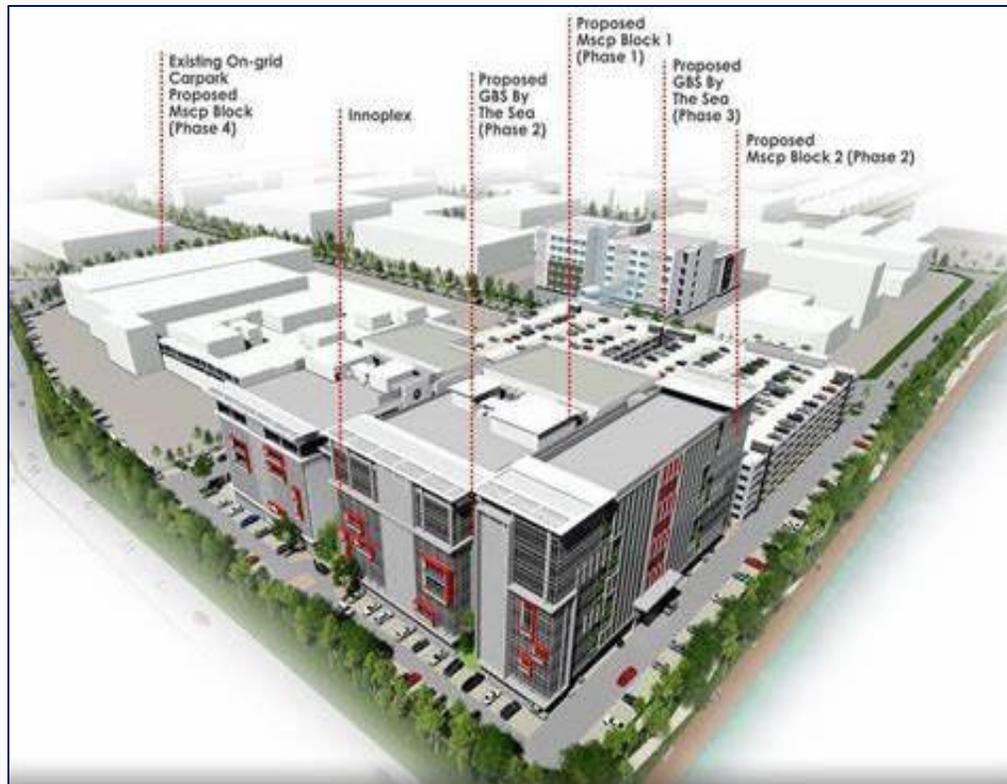
GBS Iskandar@Medini



GBS Nodes@Bayan Lepas

Silicon Valley of The East

- Southwest Penang Island
- Close proximity to Georgetown



Hybrid Campus For R&D / Design Activities

- Well-connected by major roads, close to Penang International Airport, and accessible via public transportation

Infrastructure and Facility

High-Spec Buildings

- **GBS By The Sea:** 9-storey office building with 800+ car park spaces, total NLA (Net Lettable Area) of ~296,000 sq ft, expected to receive CCC (Certificate of Completion and Compliance) by October 2024
- **GBS Tech Space:** 3-storey office building with 150+ car park spaces, total NLA of ~60,000 sq ft, expected to receive CCC by July 2024
- **GBS @ Technoplex:** Still under planning stage, total NLA of 400,000 – 500,000 sq ft, target timeline 2026/2027, open for marketing in Q2 2024

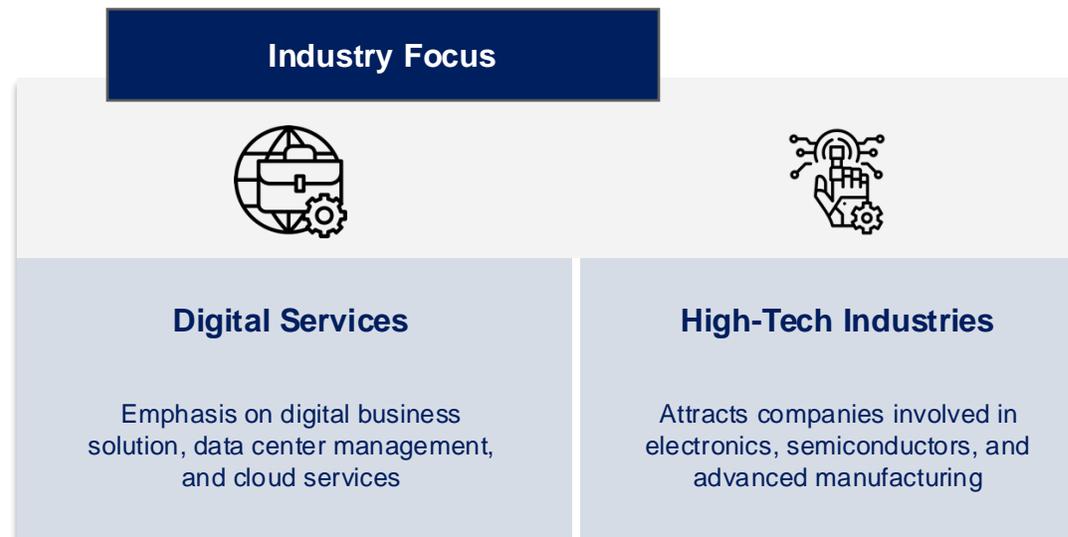
Amenities

- High-spec office buildings with necessary facilities to support GBS operations including parking, green-certified buildings, and advanced IT infrastructure

Security and Surveillance

- 24/7 surveillance to ensure the safety of tenants

GBS Nodes@Bayan Lepas



Investment Benefits

Robust Talent Pool

Technology Graduates From

Government & Private Tertiary Institutions

Universiti Sains Malaysia (USM), Politeknik Balik Pulau (PBU), Kolej Komuniti Bayan Baru, KDU Penang University College, INTI International College Penang, Penang Skills Development Centre (PSDC) and others

Incentive Packages

Attractive Incentives

*Penang State Government offers **various incentives** including subsidised rental rates for office spaces. Various **tax incentives** are also available*



Return on Investment (ROI)

High ROI Potential

Increasing demand for premium office spaces in digital economy sector promises substantial return

Market Potential

Growing Market

*GBS in Malaysia projected to grow **CAGR of 6.2% to USD 6.7 billion** by 2025*

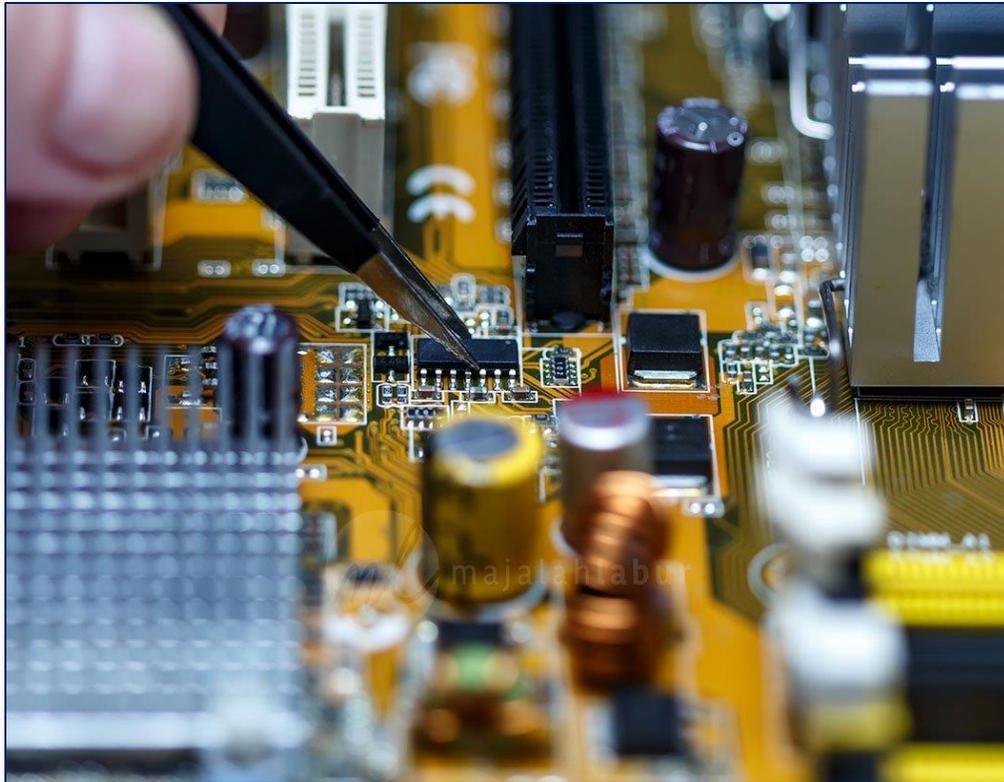
Key Players

*Penang hosts over **200 Malaysia Digital (MD)** status companies and **20 global IC design** companies*

Malaysia Semiconductor Accelerator & IC Design Park@Selangor Hub

Southeast Asia's Largest IC Design Park

- Puchong, Selangor
- 20km from Kuala Lumpur



Potential Powerhouse In The Global IC Design Industry

- Easily accessible via major highways and public transportation networks

Infrastructure and Facility

Facilities

- The park will initially occupy a 45,000 square foot MSC-status Class A business building, with plans to expand to 60,000 square feet.
- This facility is designed to support four to six local and international IC design companies

Technological Resources

- Equipped with Electronic Design Automation (EDA) tools, servers, Intellectual Property (IP), Multi-Project Wafer (MPW) services, and training programs to facilitate comprehensive IC design and development

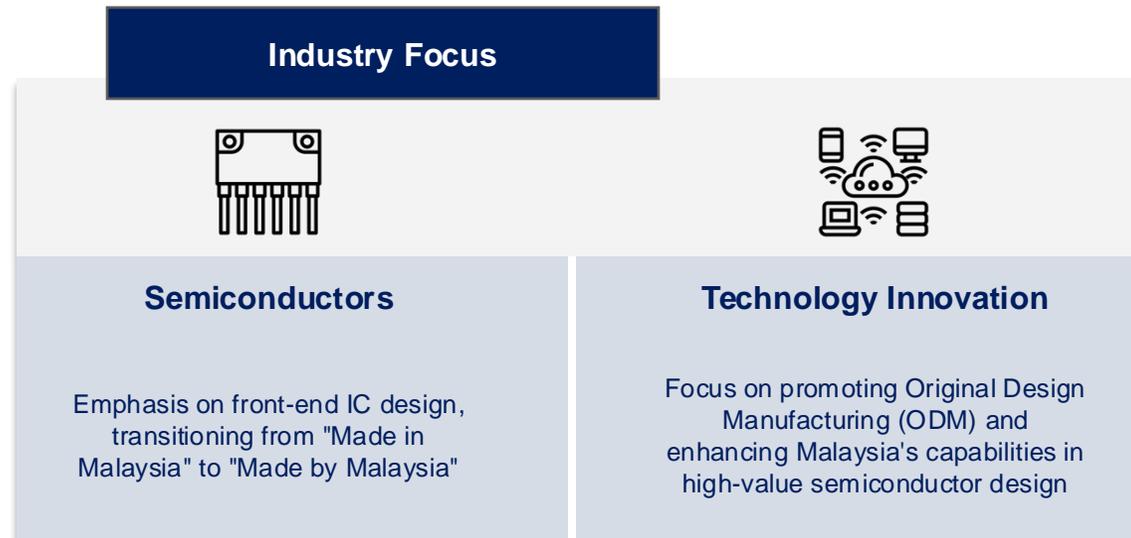
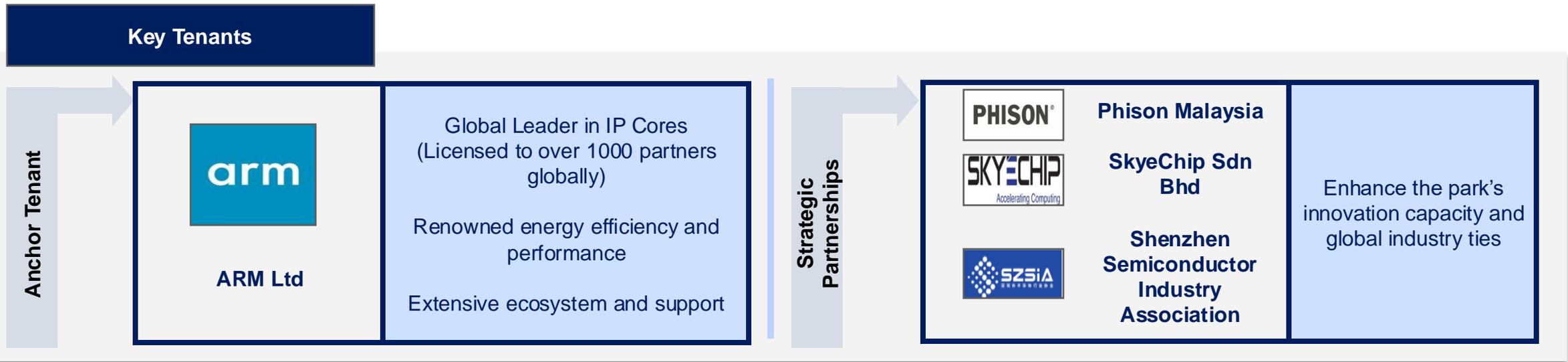
Security and Surveillance

- State-of-the-art security measures to ensure the safety of intellectual property and sensitive data

Support Services

- Extensive support services including business services, technical assistance, and training programs aimed at developing local talent in semiconductor design

Malaysia Semiconductor Accelerator & IC Design Park@Selangor Hub



Investment Benefits

Robust Talent Pool

Technology Graduates From

Government & Private Tertiary Institutions

Universiti Teknologi MARA (UiTM), Universiti Selangor (UNISEL), Universiti Kebangsaan Malaysia (UKM), Universiti Putra Malaysia (UPM), German Malaysian Institute (GMI), Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA), Kolej Komuniti Selangor, Politeknik MARA

Government Support

Supportive Policies & Strategic Vision

Streamlined regulatory processes and active involvement in fostering growth align with Malaysia's vision from "Made in Malaysia" to "Made by Malaysia"



Return on Investment (ROI)

High ROI Potential

*Projected to generate economic returns between **RM500 million to RM1 billion**, highlighting financial viability and profitability*

Enhanced Technological Independence

Promoting ODM

Promote Original Design Manufacturing (ODM), encouraging local companies to engage in product design, prototyping, and production

Innovation and R&D

Major semiconductor companies foster an ecosystem of innovation, encouraging the development of new technologies and solutions

GBS Iskandar @ Medini

Net Zero Carbon Central Business District

- Iskandar Puteri, Johor
- 25km from Johor Bahru
- 40 minutes from Singapore



GBS Enabler

- Seamless connectivity by land, air, and sea
- Situated between two international airports (Senai International Airport and Changi International Airport) and three major seaports

Infrastructure and Facility

Modern Infrastructure

- GBS Iskandar features state-of-the-art facilities designed to support Global Business Services (GBS) operations.
- The infrastructure includes high-spec office buildings, advanced IT infrastructure, and robust support services to ensure business continuity and efficiency

Sustainability

- The initiative aims to position Medini as the first net-zero carbon Central Business District (CBD) in the region by 2030, with a commitment to adopting green building and energy systems

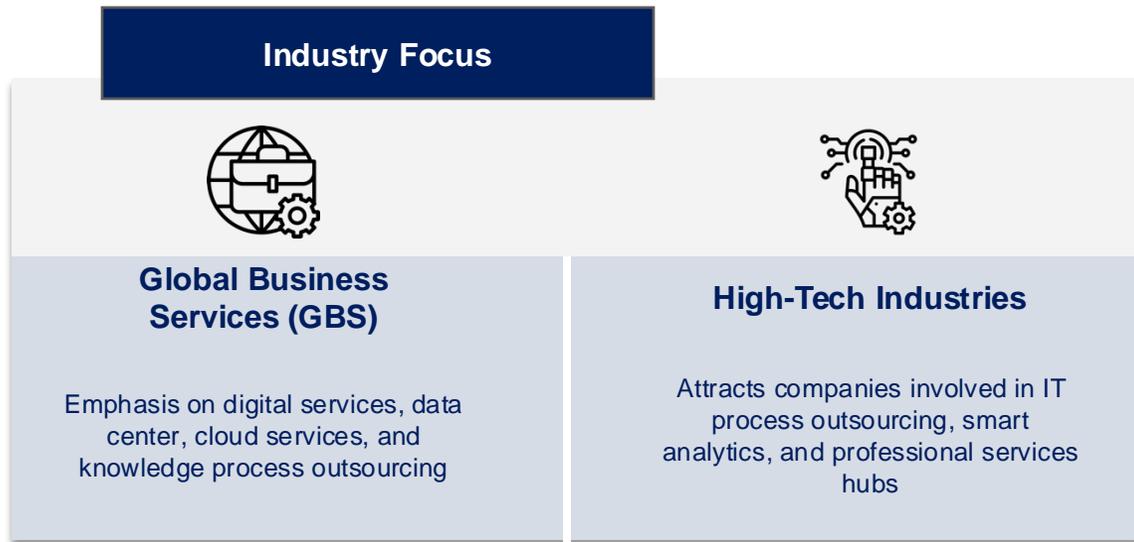
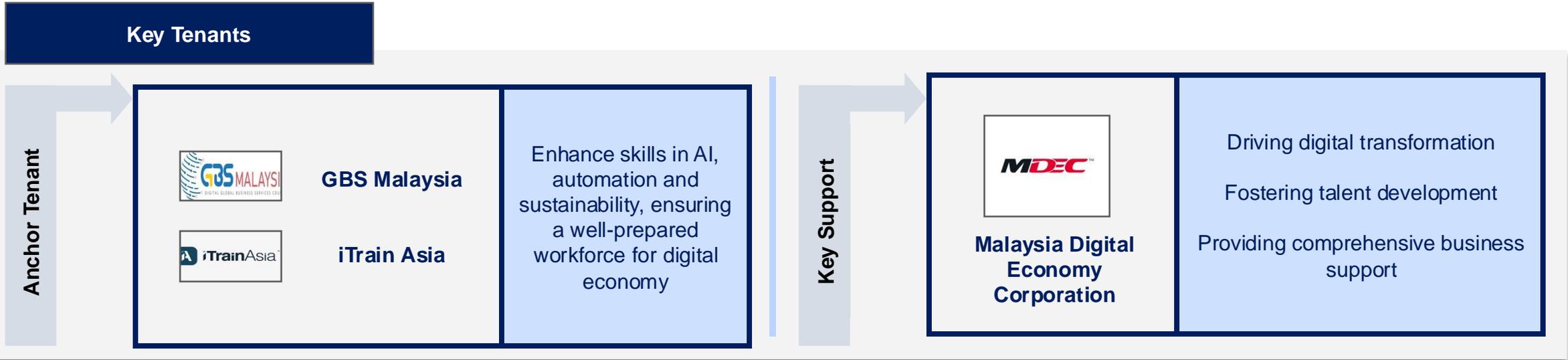
Amenities

- Offers comprehensive business advisory and investor solutions, including soft-landing services for new companies.
- The area is also equipped with residential neighborhoods, international schools, and leisure facilities, providing a high standard of living for employees

Support Services

- Includes logistics support, talent development programs, and collaboration with various stakeholders to facilitate business operations and growth

GBS Iskandar @ Medini



Investment Benefits

Robust Talent Pool

Technology Graduates From

Government & Private Tertiary Institutions

Universiti Teknologi Malaysia (UTM), Johor Skills Development Centre (PUSPATRI), Institut Kemahiran MARA (IKM) Johor Bahru, Insitut Latihan Perindustrian (ILP) Pasir Gudang, Advanced Technology Training Centre (ADTEC) Johor Bahru, Kolej Komuniti Tanjung Piai, Politeknik Ibrahim Sultan (PIS)

Economic Incentives

Tailored Incentives

*Iskandar Investment Berhad (IIB) offers **customised solutions** that include financial incentives, strategic initiatives, and government liaison efforts that are designed to lower operational costs and enhance profitability for business*



Return on Investment (ROI)

High ROI Potential

*Has attracted **RM2.6 billion investment**, with target to secure additional **RM1 billion by 2030**, highlighting financial viability and investment return*

Advanced Infrastructure & Facilities

State-Of-The-Art

***High-spec office buildings** with advanced IT infrastructure*

Sustainable Development

*The **first net-zero carbon** Central Business District (CBD) in the region by 2030*

Investment Opportunities (2)

Global Business Services (GBS)

DATA CENTRE & CLOUD HUB

Sedenak Tech Park@Sedenak

Nusajaya Techpark@Nusajaya

YTL Data Center Park@Iskandar

Delapan SBEZ Hub@Delapan

Mah Sing DC Hub@Southville City

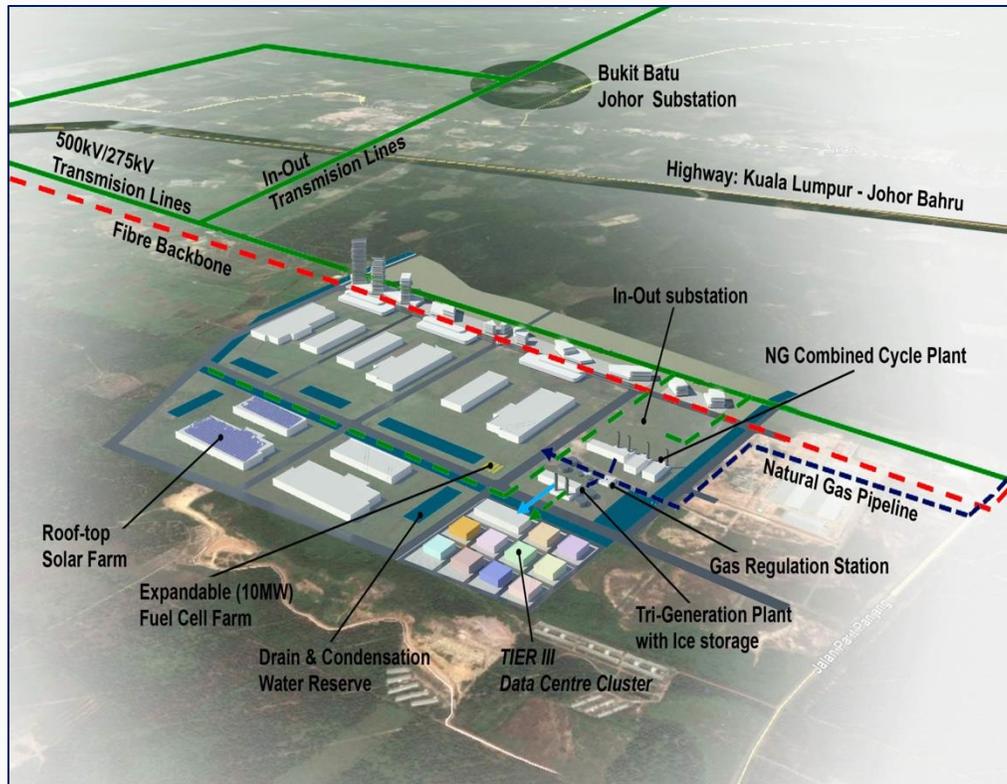
DC Hub@Cyberjaya

YTL Data Center Park@Sentul

Sedenak Tech Park@Sedenak

Premier Data Center & Cloud Hub

- District of Kulai, Johor
- **200 hectares**
- 35 km to Johor Bahru, state capital
- 15 km from Senai International Airport



Pivotal Node in Asia's Digital Infrastructure Network

- Direct access via the North-South Expressway (E2)
- 40km to Johor Port, Pasir Gudang (Southeast)

Infrastructure and Facility

Data Center Specifications

- Tier-III data center facilities
- N+1 redundancy for power and cooling systems
- Advance fire suppression systems and physical security measures

Power Supply and Connectivity

- Dual independent power sources with backup generators and UPS systems
- High-speed fiber optic connections
- Peering arrangements with major ISPs

Building and Design

- LEED-certified or Green Mark-certified buildings
- Energy-efficient designs with the integration of renewable energy sources like solar panels
- Flexible space, from startups to large enterprises

Security and Surveillance

- 24/7 on-site security personnel, CCTV surveillance throughout the park, and secure access controls
- Regular security audits and compliance with international data security standards

Sedenak Tech Park@Sedenak

Key Tenants

<p>NVIDIA</p>	<p>Global leader in graphics processing units (GPUs) and artificial intelligence (AI)</p>	<p>GDS</p>	<p>Leading developer and operator of high-performance data centers</p>	<p>PDG</p>	<p>Developing 150MW data center campus with USD 280 million green loan</p>
<p>AirTrunk</p>	<p>Major data centre operator to hyper-scale cloud providers and large enterprises</p>	<p>YTL</p>	<p>Developing the data center facilities</p>	<p>Yondr</p>	<p>Constructing 300MW data center with USD 150 million loan</p>

Industry Focus



Data Center Services

- Hosting and colocation services
- Managed services and cloud solutions
- Disaster recovery and business continuity services



Cloud Computing

- Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) offerings
- Big data analytics and AI/machine learning services



Telecommunication

- High-speed data transmission and communication services
- Development and deployment of 5G infrastructure



Financial Services

- Fintech companies leveraging cloud and data center capabilities for secure transactions and data management
- Support for blockchain and digital currency operations



Research & Development

- Facilities and support for R&D in cutting-edge technologies
- Partnerships with local universities and research institutions for innovation

Sedenak Tech Park@Sedenak

Investment Benefits

Robust Talent Pool

Technology Graduates From

Government & Private Tertiary Institutions

Universiti Teknologi Malaysia (UTM), Johor Skills Development Centre (PUSPATRI), Institut Kemahiran MARA (IKM) Johor Bahru, Insitut Latihan Perindustrian (ILP) Pasir Gudang, Advanced Technology Training Centre (ADTEC) Johor Bahru, Kolej Komuniti Tanjung Piai, Politeknik Ibrahim Sultan (PIS)

Market Potential

Expanding Market

*Data center market in Malaysia **CAGR of 13.92%** from 2023 to 2029. from **USD 1.81 billion in 2023** to **USD 3.97 billion by 2029***



Strategic Location

Proximity to Major Markets

70km north of Singapore, provides easy access to Singapore's financial hub and other major regional markets, enhancing logistical efficiency and market reach

Advanced Infrastructure & Facilities

High Performance Data Centers

Robust power and cooling systems, high-speed fiber optic connections, and N+1 redundancy for power and cooling

Significant Investments

*Yondr Group's **USD150 million** loan for a **300MW** data centre campus and Princeton Digital Group's **USD280 million** green loan for a **150MW** data centre campus*

Nusajaya Tech Park@Nusajaya

Premier Data Center & Cloud Hub

- District of Gelang Patah, Johor
- **210 hectares**
- 25 km west of Johor Bahru, state capital
- 35 km from Senai International Airport



Supporting Growth of The DC & Cloud Industries

- Direct access via the Second Link Expressway (E3)
- Nearby Port of Tanjung Pelepas

Data Center Specifications

- Tier-III and Tier-IV data center facilities
- Spans a total net floor area of 22,500 square meters (242,200 square feet)
- The campus has a total IT power capacity of 69.5 MW, with the first 18MW phase expected to go live in 2024

Power Supply and Connectivity

- N+1 redundancy for power and cooling
- High-speed fiber optic connections
- Incorporate advanced green design and is powered by GDS' innovative Smart DC Solution

Building and Design

- Energy-efficient systems and green building practices
- Advanced technologies to manage energy consumption and enhance performance
- Phased development for scalable growth

Security and Surveillance

- 24/7 on-site security personnel, CCTV surveillance throughout the park, and secure access controls
- Regular security audits and compliance with international data security standards

Infrastructure and Facility

Nusajaya Tech Park@Nusajaya

Key Tenants

<p>Equinix</p>	<p>Established JH1 IBX with an initial investment of USD 40 million, enhancing data management capabilities</p>
<p>GDS</p>	<p>Launched campus area of 22,500 square meters with capacity of 69.5 MW to support high-tech industries and AI</p>

<p>TM</p>	<p>National telco provider supporting digital infrastructure and providing essential telecom and internet services</p>
<p>Dai-ichi Seiko</p>	<p>Leading manufacturer specializing in precision components</p>

<p>GKN Aerospace</p>	<p>Global aerospace supplier leveraging advanced facilities and strategic location</p>
<p>Stern-Wywiol</p>	<p>Specialised food additives and ingredients</p>

Industry Focus



Data Center Services

- Hosting and colocation services
- Managed services and cloud solutions
- Disaster recovery and business continuity services

Cloud Computing

- Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) offerings
- Big data analytics and AI/machine learning services

Telecommunication

- High-speed data transmission and communication services
- Development and deployment of 5G infrastructure

Financial Services

- Fintech companies leveraging cloud and data center capabilities for secure transactions and data management
- Support for blockchain and digital currency operations

Research & Development

- Facilities and support for R&D in cutting-edge technologies
- Partnerships with local universities and research institutions for innovation

Nusajaya Tech Park@Nusajaya

Investment Benefits

Robust Talent Pool

Technology Graduates From

Government & Private Tertiary Institutions

Universiti Teknologi Malaysia (UTM), Johor Skills Development Centre (PUSPATRI), Institut Kemahiran MARA (IKM) Johor Bahru, Insitut Latihan Perindustrian (ILP) Pasir Gudang, Advanced Technology Training Centre (ADTEC) Johor Bahru, Kolej Komuniti Tanjung Piai, Politeknik Ibrahim Sultan (PIS)

Market Potential

Expanding Market

*Data center market in Malaysia **CAGR of 13.92%** from 2023 to 2029. from **USD 1.81 billion in 2023** to **USD 3.97 billion by 2029***



Strategic Location

Proximity to Singapore

15km from Tuas border with Singapore, allows to tap into Singapore's advanced market while benefitting from lower operational costs in Malaysia

Advanced Infrastructure & Facilities

High Performance Data Centers

High IT power capacity and advanced green designs support critical digital operations with high efficiency and sustainability

Innovative Technologies

State-of-the-art technologies like the Smart DC solution from GDS, ensure optimized energy consumption and enhanced performance for data-intensive applications

YTL Green Data Center@Iskandar

Premier Data Center & Cloud Hub

- Iskandar Region, Johor
- **210 hectares**
- 30km from Singapore



Supporting Growth of The DC & Cloud Industries

- Major transportation routes and connectivity options, including dark fiber links to Singapore, providing direct and ultra-low latency network connections

Data Center Specifications

- The first phase includes a 72MW data center, with the overall project aimed at providing 500MW
- The first facility is a Tier III certified, three-story building with 24 data halls covering 535,000 sq ft (49,700 sqm)

Power Supply and Connectivity

- The data center park will be powered by renewable solar energy, including a large-scale solar farm adjacent to the site
- Dark fiber connectivity to Singapore and other major locations in Malaysia, providing high-speed and low-latency network connections

Building and Design

- The facilities are designed to meet high standards of energy efficiency and sustainability, leveraging YTL's expertise in renewable energy and infrastructure

Security and Surveillance

- State-of-the-art security measures including surveillance cameras, access controls, and monitoring systems
- Comprehensive support services including maintenance, technical support, and customer service

Infrastructure and Facility

YTL Green Data Center@Iskandar

Key Tenants

Anchor Tenant

 Sea Ltd	<p>Leading Singaporean Internet Company; digital entertainment, e-commerce and digital financial services</p> <p>Park's attractiveness to major tech firms looking to expand their operations in Malaysia</p>
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Notable Tenant

 GDS	<p>Major developer and operator, highlights park's capability to attract significant investments</p>
 Dodid Pte Ltd	<p>Data center operator, supports growth and efficiency of data center network</p>

Industry Focus



Cloud Services



Digital Infrastructure



Technology Sectors
(Expansion From Singapore)

YTL Green Data Center@Iskandar

Investment Benefits

Sustainable Development

Green and Sustainable Initiatives

First integrated data centre park in Malaysia
powered by renewable solar energy

Energy Efficiency

Park's design and operations **emphasize energy efficiency and reduced carbon footprint**, supporting sustainable growth and reduce operational costs

Market Potential

Expanding Market

Data center market in Malaysia **CAGR of 13.92%** from 2023 to 2029. from **USD 1.81 billion in 2023** to **USD 3.97 billion by 2029**



Strategic Location

Proximity to Singapore

30km from Singapore, easy access to Singapore's advanced market, lower operational costs in Malaysia. Dark fiber connectivity to Singapore, providing direct and ultra-low latency network connections

Advanced Data Centre Facilities

High Performance Data Centers

500MW data centre campus powered by on-site renewable solar energy. High-performance, low-latency services essential for digital operations

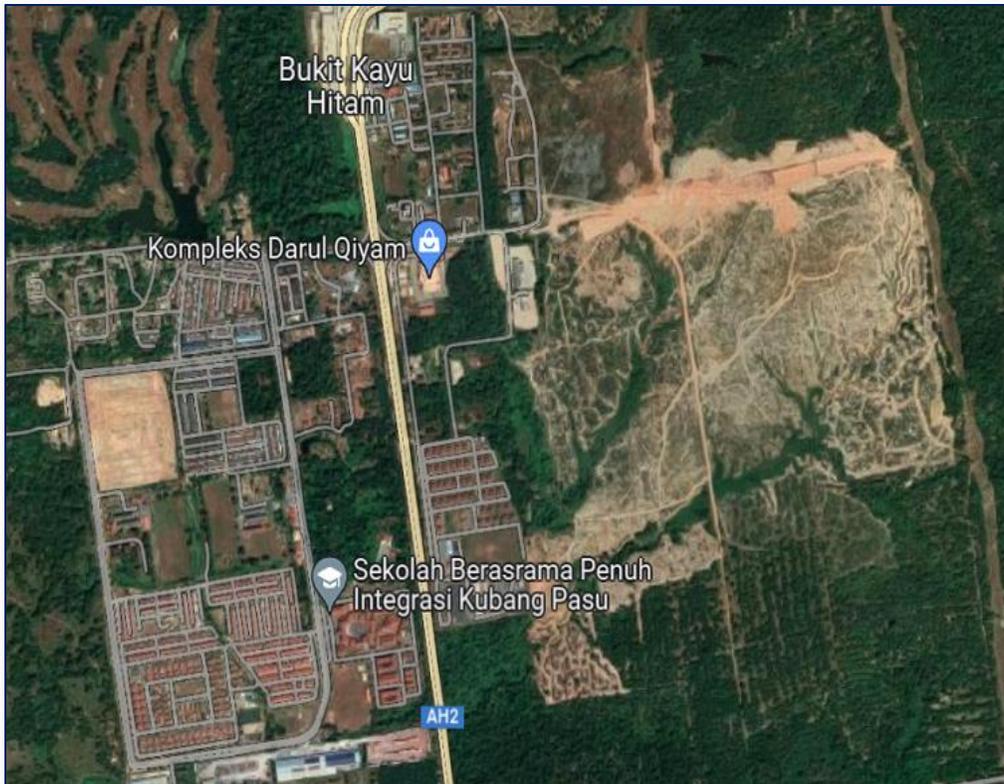
Cutting-Edge Technologies

YTL's partnership with Nvidia to develop AI cloud and supercomputing infrastructure worth **USD 4.3 billion** enhances the park's capabilities to support advanced AI and machine learning workloads

Delapan SBEZ Hub@Delapan

Premier Data Center & Cloud Hub

- Bukit Kayu Hitam, Kedah
- 150 acres
- 45km from Alor Setar



Northern Gateway

- Located at the border town between Thailand and Malaysia
- Enhancing connectivity with major transportation routes and easy access for logistics and trade between Malaysia and Thailand

Data Center Specifications

- Data center will meet Tier III standard
- Data centre will include an Internet Exchange (IX) point set up by DE-CIX Malaysia

Power Supply and Connectivity

- The data center will have robust power infrastructure to support high energy demands
- Dark fiber connectivity, ensuring high-speed and low-latency internet connections, essential for regional and international data exchange

Building and Design

- Accommodate modern data center requirements, ensuring redundancy and high availability for critical applications

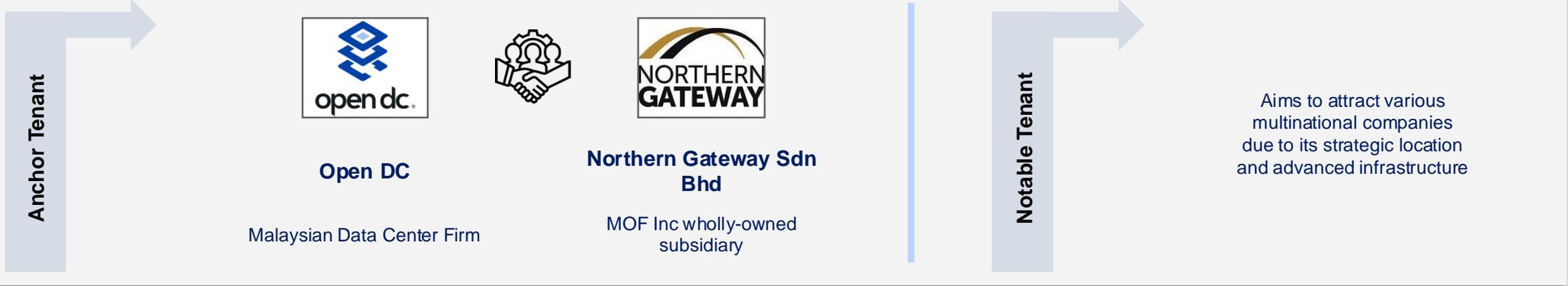
Security and Surveillance

- Advanced security measures, such as 24/7 surveillance, access controls, and monitoring systems to ensure data security
- Comprehensive support services including maintenance, technical support, and customer service

Infrastructure and Facility

Delapan SBEZ Hub@Delapan

Key Tenants



Industry Focus



Telecommunications



IT Services



Financial Services

Delapan SBEZ Hub@Delapan

Investment Benefits

Economic Impact

Significant Trade Contributions

Expected to significantly enhance trade between Malaysia and Thailand, projected to reach **RM125 billion by 2025**. 45% will pass through Bukit Kayu Hitam

Market Potential

Expanding Digital Infrastructure

To emulate the success of Malaysia-Singapore border IX, providing robust digital infrastructure to support high-volume internet traffic exchange. Poised to transform the region into a **key commercial hub and data centre**

Strategic Importance

Premier Location

Located in Bukit Kayu Hitam, near Malaysia-Thailand border. Pivotal for **cross-border trade** and provides direct access to major markets in ASEAN

Infrastructure & Facilities

Tier-3 Data Centre

Data centre will meet **Tier-3** standards, ensuring high availability and reliability for critical digital operations

Connectivity Hub

Data centre will include an Internet Exchange (IX), facilitating efficient traffic exchange and improving internet performance for businesses

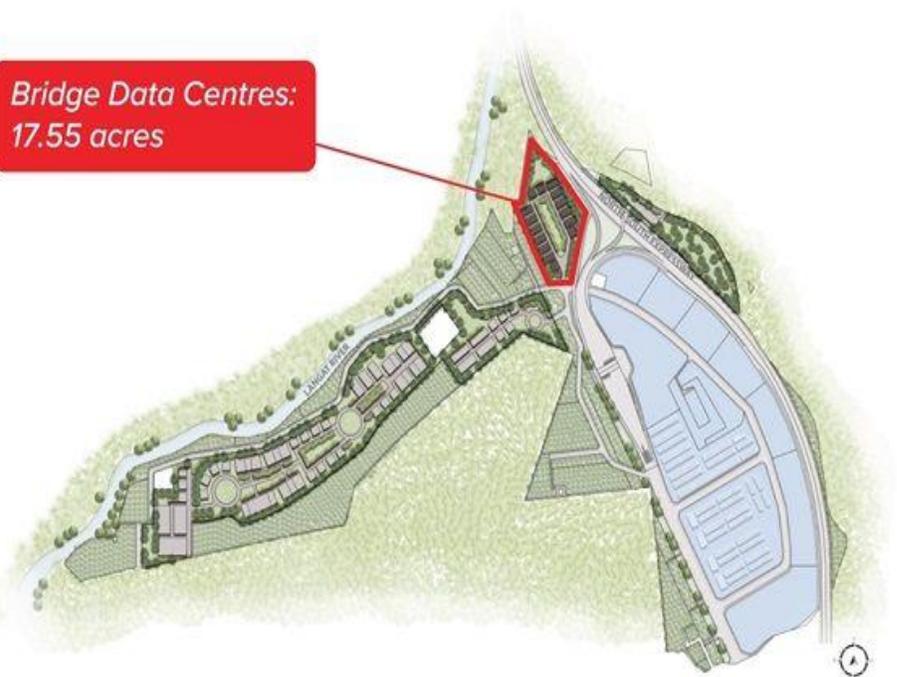


Mah Sing DC Hub@Southville

Maiden Entry of Mah Sing

- Bangi, Selangor
- **150 acres**
- 19km from KL City Centre
- 20km from Cyberjaya
- 20km from Bukit Jalil

Bridge Data Centres:
17.55 acres



Envision Holistic Digital Infrastructure Ecosystem

- Well-connected by major highways
- Close to upcoming TM's Morib cable

Data Center Specifications

- Initial phase on 17.55 acres with up to 100MW, expanding to 150 acres with a total planned capacity of up to 500MW
- Designed to support AI computation, large-scale data storage, hyperscale, retail, and enterprise services

Power Supply and Connectivity

- Reliable power supply with future-proof infrastructure
- Proximity to TM's SEA-ME-WE-6 submarine cable system landing station ensures low-latency connections, crucial for data-intensive applications

Building and Design

- State-of-the-art facilities adhering to high standards, equipped to meet regulatory requirements and support advanced digital applications

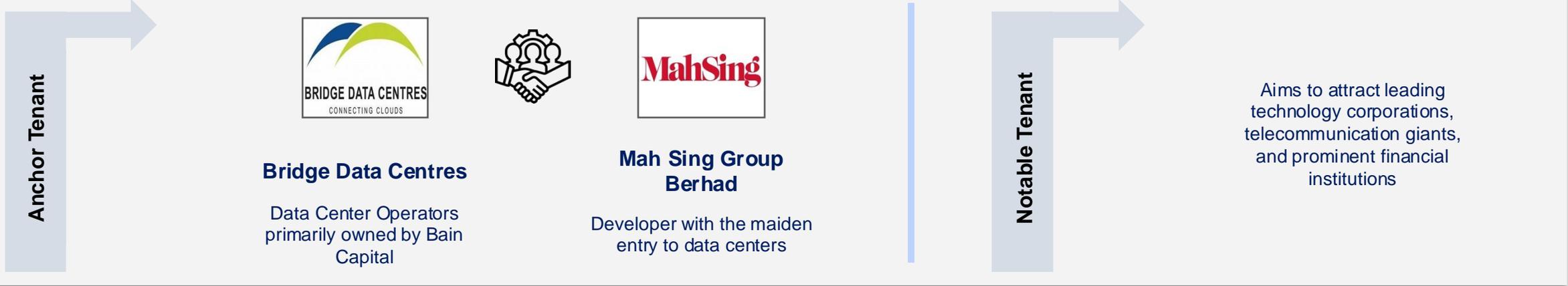
Security and Surveillance

- Comprehensive security measures including surveillance and access control systems
- Extensive support services including technical support, infrastructure maintenance, and customer service

Infrastructure and Facility

Mah Sing DC Hub@Southville

Key Tenants



Industry Focus



Telecommunications



Technology



Financial Services

Mah Sing DC Hub@Southville

Investment Benefits

*Bridge Data Centres:
17 55*

Economic Impact

Significant Capital Inflows

Poised to attract substantial Foreign Direct Investment (FDI) due to its state-of-the-art infrastructure. The development itself represent a significant capital influx into Malaysia

Market Growth and Potential

Expanding Digital Infrastructure

Proximity to Telekom Malaysia's new cable landing station in Morib for the SEA-ME-WE-6 submarine cable system ensures robust digital infrastructure. One of the lowest latency routes, enhancing its market potential



Strategic Location & Connectivity

Proximity

19km from KL City Centre and less than **50km from Telekom Malaysia's upcoming new cable landing station** in Morib. Ensures ultra-low latency connections

Advanced Infrastructure & Facilities

High-Performance Capacity

150 acres and designed to support 500W data centre capacity to meet high-demand applications such as AI computation and large-scale data storage

State-Of-The-Art Technology

Equipped with advanced technology from Bridge Data Centres, the hub ensures high efficiency, security, and performance

DC Hub@Cyberjaya

Global Technology Hub

- Sepang, Selangor
- **Home of Multiple DC**
- 30km from Kuala Lumpur



Fostering Digital Growth

- Well-connected via major highways including the MEX Highway, ELITE Highway, and LDP
- Close to Kuala Lumpur International Airport (KLIA)

Data Center Specifications

- Multiple data centers with capacities ranging from 8MW to 256MW, supporting high-density IT loads and hyperscale deployments

Power Supply and Connectivity

- Equipped with robust power infrastructure, including high-voltage power supplies and advanced cooling systems
- Excellent connectivity with dark fiber networks and proximity to major submarine cable landing stations

Building and Design

- State-of-the-art facilities with advanced design and construction techniques to ensure high performance, reliability, and sustainability
- Facilities include chilled-water cooling systems, smart control systems, and AI-enhanced infrastructure

Security and Surveillance

- 24/7 CCTV surveillance, access controls, and multi-layered physical and virtual security systems
- Managed services, disaster recovery, infrastructure management, and customer service

Infrastructure and Facility

DC Hub@Cyberjaya

Major Data Centers



Facilities: Multiple data centers including MY02 with 87MW Capacity
Clients: Hyperscale clients, cloud providers, large enterprises



Campus: KUL2 with 256MW capacity across 10 buildings
Clients: Hyperscalers, cloud providers, enterprises



Facilities: Block 2 (8MW) and upcoming Block 3 (12MW)
Clients: AI workloads, high-power density applications



Facilities: Multiple data centers including Cyberjaya 5 (CBJ5)
Clients: Global technology companies, enterprises



New Facility: Expanding presence with a new data center
Clients: Cloud service providers, enterprises



Campus: 30-acre data center campus with over 200MW capacity
Clients: Cloud service providers, enterprises

Industry Focus



Digital Transformation



Cloud Services



AI Computation



Enterprise IT Infrastructure

Investment Benefits

Market Potential

Expanding Digital Infrastructure

With facilities like NTT's CBJ6 and the upcoming developments by Vantage Data Centers and STT GDC, Cyberjaya is well-positioned to support the growing demand for digital services in Southeast Asia

Economic Impact

Significant Investments

*Substantial investments from global tech companies. Vantage Data Centers plans to invest an additional **USD 3 billion** to build a second data centre campus*

GDP Contribution

*Targeting a **22.6%** GDP growth from the digital sector by 2025*



Strategic Importance

Leading Data Centre Hub

*Known as "**Silicon Valley of Malaysia**", strategically positioned with excellent connectivity and infrastructure*

Infrastructure & Facilities

High-Performance Data Centres

*Host numerous high-performance data centres, making it one of the **largest data centre** developments in the region*

Advanced Technology

Cutting-edge technology for facilities, such as NTT's CBJ6 data centre, which offers 7 MW of IT load and advanced cooling wall technology to maintain a stable environment for high-density racks

YTL Data Center Park@Sentul

Edge Data Center With Excellent Diversity in Power

- Sentul, Kuala Lumpur
- Centrally located in Kuala Lumpur



Local Peering Connections

- Excellent connectivity with local transportation networks and proximity to major highways, facilitating easy access to and from the city center

Data Center Specifications

- Capacity of up to 500 racks
- 5MW of total power capacity
- Designed for rack densities of 3kW to 8kW
- Comprises four data halls on a single-storey

Power Supply and Connectivity

- Offers diverse power sources ensuring reliability
- Excellent local peering connections and connectivity to major internet exchanges in Kuala Lumpur

Building and Design

- Includes provisions for onsite office space, storage, and parking facilities
- Designed to optimize energy efficiency and scalability

Security and Surveillance

- Comprehensive security measures including 24/7 surveillance
- Facilities management and maintenance services
- Sustainable energy solutions in collaboration with YTL PowerSeraya for renewable energy utilization

Infrastructure and Facility

YTL Data Center Park@Sentul

Industry Focus



Cloud Services



Telecommunications



Enterprise IT Operations

Development Progress



Operational Facilities

- The Sentul Data Center is operational with ongoing expansions to enhance capacity and services
- Continuous development aligned with YTL's strategy to expand its digital infrastructure footprint

Economic Impact



Job Creation

- Creation of numerous job opportunities in data center operations and maintenance



GDP Contribution

Supports Kuala Lumpur's position as a key digital hub, contributing to Malaysia's digital economy



Tax Revenue

Generates substantial tax revenues

Investment Opportunities (3)

Artificial Intelligence (AI) & Internet of Things (IoT)

AI & IOT HUB



5G & AI Innovation Hub MIMOS@Bukit Jalil

5G & AI Innovation Hub MIMOS@Bukit Jalil

Technology Park Malaysia

- MRANTI Technology Park, Bukit Jalil
- Located in Kuala Lumpur



Accelerate The Adoption & Development of Advanced Technologies

- Well-connected via major highways and public transportation systems

Infrastructure and Facility

5G Network Infrastructure

- Equipped with the latest 5G technology to support high-speed data transfer, low latency, and robust connectivity

AI Instruments

- Advanced AI tools and platforms for developing and testing AI solutions

IoT and Cloud Capabilities

- Integration with Internet of Things (IoT) devices and cloud services to support comprehensive technological solutions

Facilities for R&D

- State-of-the-art labs and testbeds for research and development, allowing for the creation and testing of innovative solutions

Security & Surveillance

- Advanced security systems to protect sensitive data and technology

Support Services

- Includes technical support, consultancy services, and training programs for skill development in 5G and AI technologies

5G & AI Innovation Hub MIMOS@Bukit Jalil

Key Tenants



Industry Focus



5G & AI

Developing industrial use cases enabled by 5G and AI



IoT & Cloud Solutions

Focusing on integrating IoT and cloud technologies into various industries



Smart Manufacturing & Agriculture

Implementing smart solutions powered by 5G and AI to enhance productivity and efficiency

5G & AI Innovation Hub MIMOS@Bukit Jalil

Investment Benefits

Market Potential

Expanding Digital Infrastructure

Crucial part of Malaysia's strategy to expand its digital infrastructure. Enabling development of 5G and AI positions Malaysia as a leader in these technologies within ASEAN

Economic Impact

Accelerated Technology Adoption

Providing a platform for developing and testing new technologies, the hub promotes the rapid adoption of 5G and AI across multiple sectors

Strategic Importance

Premier Innovation Hub

To accelerate the development and deployment of industrial use cases leveraging advanced technologies such as 5G, IoT, Cloud Computing and AI

Infrastructure & Facilities

Co-Creation Testbed

Incubator environment supports the creation of innovative solutions and the acceleration of technological advancements

Advanced Capabilities

Supports enterprises in enhancing their operations and service offerings. It is designed to foster innovation and drive the digital transformation of various industries



Investment Opportunities (4)

Cybersecurity & 5G

CYBERSECURITY & 5G



5G & AI Innovation Hub MIMOS@Bukit Jalil

DNB@TRX

Kulim Hi-Tech Park@Kulim

5G & AI Innovation Hub MIMOS@Bukit Jalil

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5G Hub

- Tun Razak Exchange, Kuala Lumpur
- Centrally located in Kuala Lumpur



Drive 5G Adoption Across Various Industries in Malaysia

- Well-connected via major roads and public transportation networks

Infrastructure and Facility

5G Network Infrastructure

- Equipped with state-of-the-art 5G technology provided by Ericsson, supporting high-speed data transfer, low latency, and robust connectivity

Interactive Environment

- The My5G Portal offers over 50 use cases and solutions across 12 industry verticals, including healthcare, smart cities, manufacturing, logistics, and retail

Demonstration Zone

- Features dedicated zones showcasing 5G applications such as holograms, connected ambulances, smart surveillance, mission-critical communications, and 5G remote driving

Educational and Innovation Hub

- Serves as a learning center for customers, partners, industry professionals, academia, and government officials to understand and experience 5G technology through live demonstrations and interactive showcases

Support Services

- Includes technical support, training programs, and collaborative opportunities for developing 5G solutions

Key Tenants



Industry Focus

<h3>5G Technology</h3>	<h3>Digital Transformation</h3>
<p>Focus on promoting the adoption of 5G across various industries, including automation, AI, extended reality (XR), and robotics</p>	<p>Aims to drive Malaysia's digital transformation by showcasing the potential and applications of 5G technology</p>

Development Progress

	<h3>Operational Facilities</h3> <ul style="list-style-type: none">The My5G Portal is fully operational, offering a hands-on experience with 5G technology
	<h3>Key Milestones</h3> <ul style="list-style-type: none">Officially launched in October 2023, with continuous developments to enhance its capabilities and offerings

Kulim Hi-Tech Park@Kulim

5G Hub

- Kulim, Kedah
- **4,736 Acres**
- 30 km from Penang
- 26 km from Butterworth Container Terminal



First Industrial Park In Kedah To Have Full 5G Coverage

- Connected to Butterworth, Seberang Perai, Penang through an expressway
- 45 km from Penang International Airport, Bayan Lepas

5G Network Infrastructure

- First industrial park in Kedah to have full 5G wireless network coverage, spearheaded by Digital Nasional Berhad (DNB) and the Malaysian Communications and Multimedia Commission (MCMC)
- Covers 1,916.6 hectares and includes eight 5G-enabled locations

Advanced Connectivity

- Offers high-speed internet connectivity, making it an ideal location for high-tech and data-intensive industries

Security and Surveillance

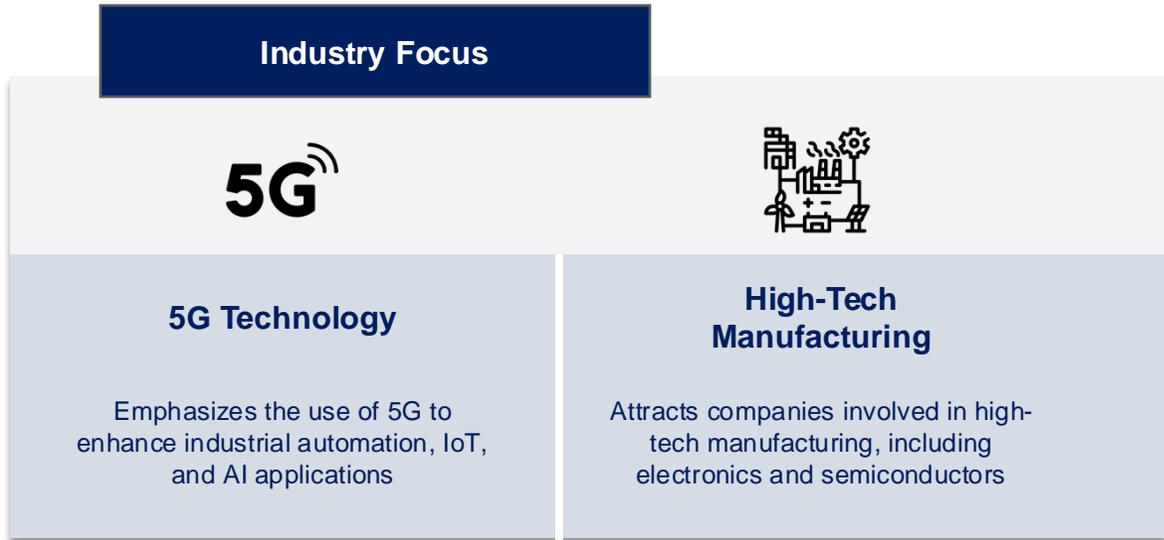
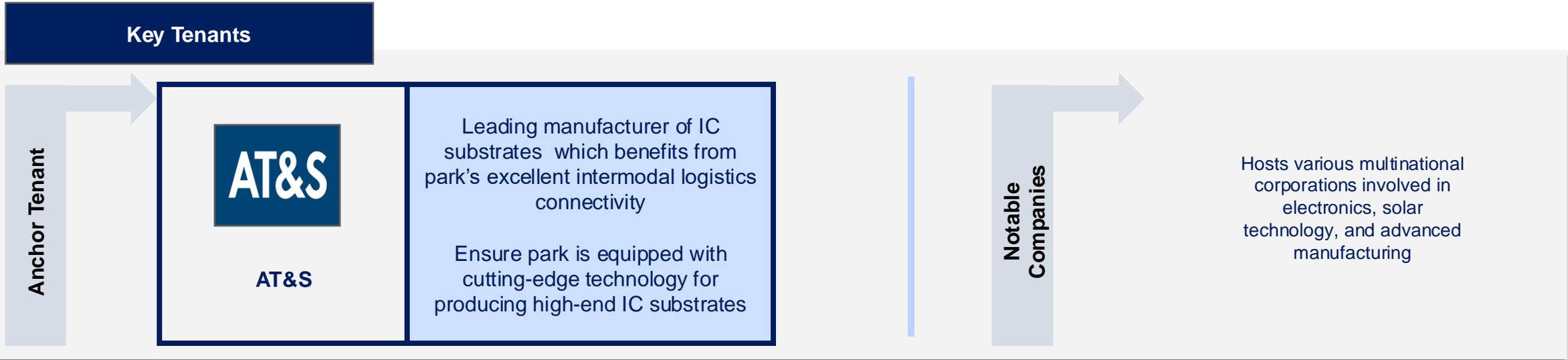
- Advanced security measures are in place to ensure the safety and security of businesses operating within the park

Support Services

- Provides a range of support services including logistics, technical support, and business services to facilitate smooth operations for tenants

Infrastructure and Facility

Kulim Hi-Tech Park@Kulim



Investment Benefits

Market Potential

Expanding Digital Infrastructure

The park's focus on smart city components enhances its potential as a **hub for innovation and technological development**, and well-positioned to support the growing demand for digital services and cybersecurity

Economic Impact

Significant Investments

Total accumulated investment of **RM134.1 billion** from 43 industries. Additional **RM8.5 billion** investment by AT&S for the production of integrated circuit



Strategic Importance

Premier Location

Malaysia's first fully-integrated high technology park, strategically located in Kulim, Kedah. Provide **excellent connectivity** to major markets in Southeast Asia, making it an ideal location for both local and multinational companies

Infrastructure & Facilities

Advanced Facilities

State-of-the-art facilities across its **six dedicated zones**: Industrial, R&D, Residential, Urban, Amenities, and Institutional

Sustainable and Smart City Development

Being developed into a **smart city** with components such as smart economy, smart living, smart environment, smart population, smart government, smart mobility, and smart digital infrastructure

Thank you

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  Malaysia Digital Economy Corporation