ACCELERATING MALAYSIAN DIGITALISATION
By
DR FADHLULLAH SUHAIMI ABDUL MALEK,
CHAIRMAN, MCMC

Wednesday, 27 October 2021 | 9.30am – 12.00pm | Zoom

An intervention is required to address profound impacts of COVID-19 & prepare the nation for digital economy

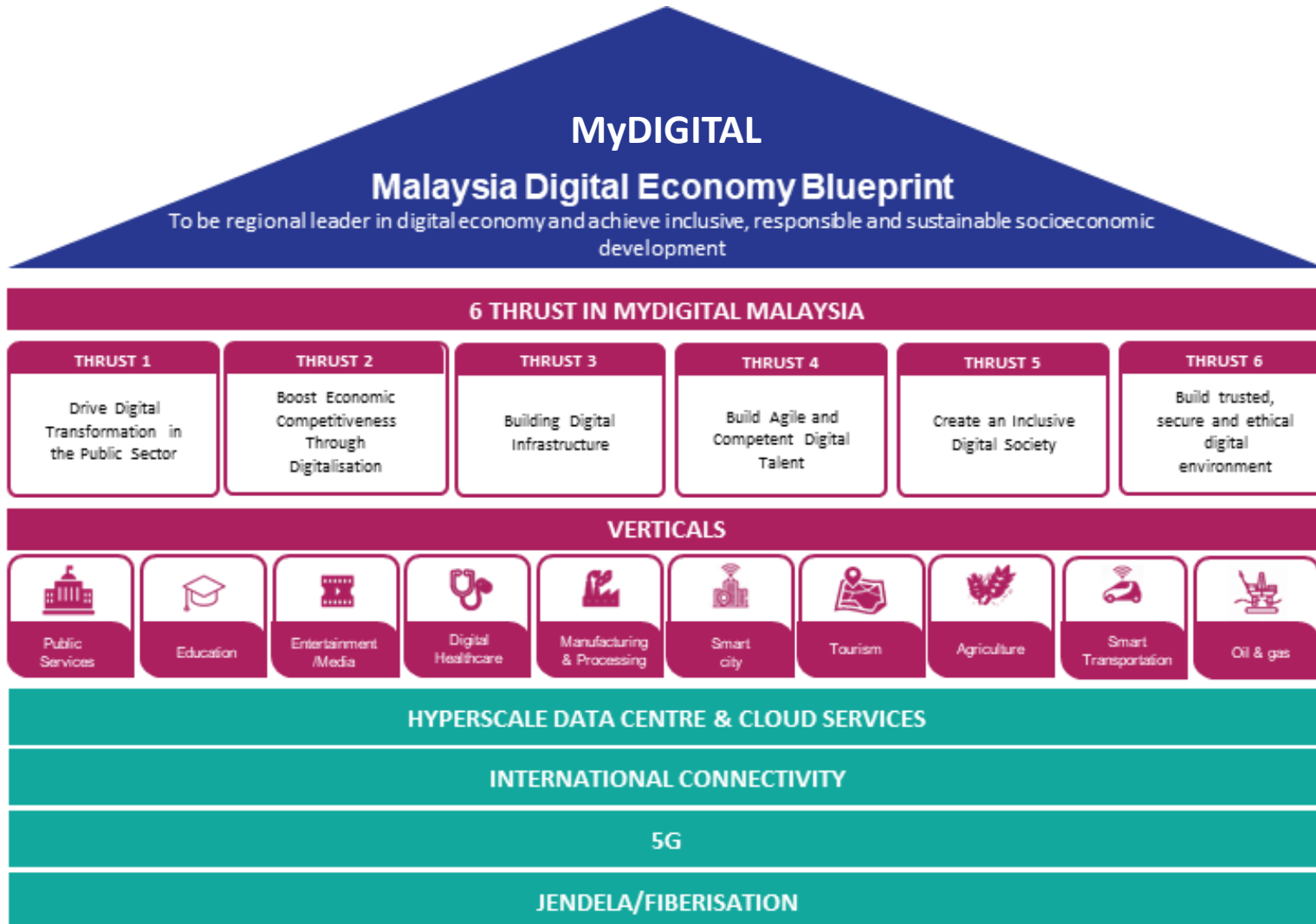**COVID-19 is a stress test for Malaysia's digital infrastructure**

Internet traffic increased by 30% - 70%	Internet use have moved to residential areas by 50%-70%
Internet speed has reduced by 30%-40%	Complaints on internet speed, new coverage and indoor increased from 40%-70%

From the National Digital Infrastructure Lab conducted in July 2020.
The Lab Report and the 1st Quarter Report are available at myjendela.my

A new approach is needed to address demands for better digital connectivity

- Continued investments in 4G are still required to ensure **seamless coverage and quality,** and to address urgent **digital divide** concerns
- Industry is working hard to ensure **faster roll-out** to address the concerns and requirements of the Rakyat
- Expanded fibre network nationwide is also critical, and requires prioritisation
- Investing in 5G network will cost between 25% - 75% **more than 4G**
- With different deployment scenarios, **deploying 5G needs a new approach**
- Demonstration projects prove the **potentials of 5G**
- Multiple 5G networks, however, will also entail a **longer time frame for returns on investments**

Digital infrastructure is fundamental to realise digital possibilities across the society, businesses and government

MCMC's specific roles under Thrust 3 is to enable digital infrastructure to provide a conducive digital environment for digital economy

MyDIGITAL

Malaysia Digital Economy Blueprint

To be regional leader in digital economy and achieve inclusive, responsible and sustainable socioeconomic development

6 THRUST IN MYDIGITAL MALAYSIA

THRUST 1	THRUST 2	THRUST 3	THRUST 4	THRUST 5	THRUST 6
Drive Digital Transformation in the Public Sector	Boost Economic Competitiveness Through Digitalisation	Building Digital Infrastructure	Build Agile and Competent Digital Talent	Create an Inclusive Digital Society	Build trusted, secure and ethical digital environment

VERTICALS

Public Services	Education	Entertainment /Media	Digital Healthcare	Manufacturing & Processing	Smart city	Tourism	Agriculture	Smart Transportation	Oil & gas

HYPERSCALE DATA CENTRE & CLOUD SERVICES

INTERNATIONAL CONNECTIVITY

5G

JENDELA/FIBERISATION

Jendela — National Aspirations

- **Gigabit Access Fixed Broadband**
- **> 100 Mbps Mobile Broadband**
- **100% 4G Coverage**
- **5G** — **Commercial 5G roll out on phases commencing end of 2021**

3

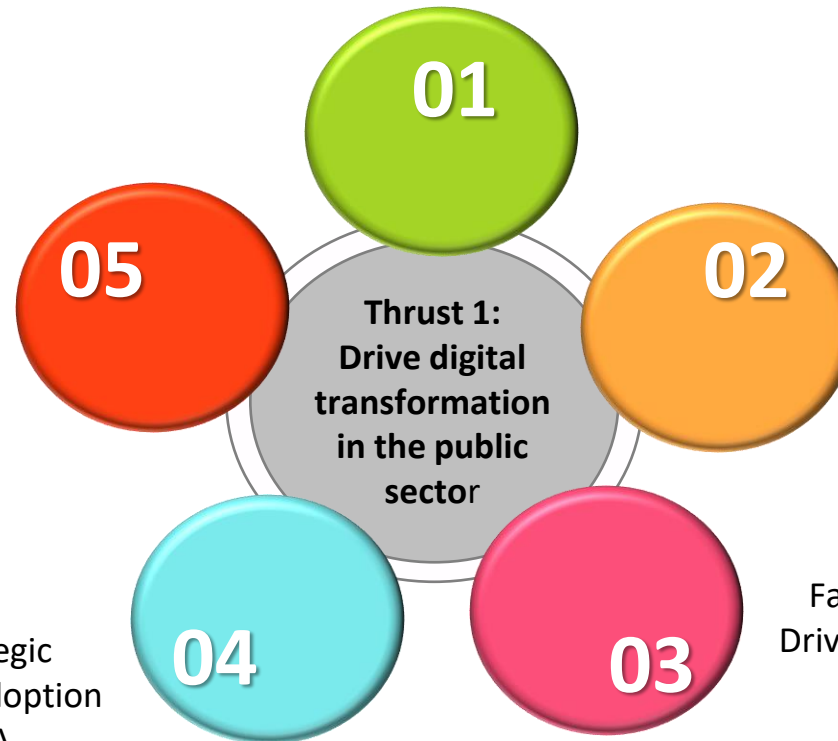# MCMC's Strategic Roles Under MyDIGITAL

Thrust 1: Drive digital transformation in the public sector

This will be achieved by leveraging digital technologies, data and digital intelligence, enhancing the digital skill sets of civil servants and increasing the quality of online services

Spearhead and Facilitate Government Digital Transformation Initiatives- MyDigital, IR4.0 etc

01

Lead in facilitation and coordination of NDID & Digital Signature adoption across public and private sector

05

Thrust 1: Drive digital transformation in the public sector

02

Formulation and Execution of initiatives to drive adoption of digital services across public sector

04

To formulate strategic framework to drive adoption of NDID and DSA

03

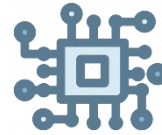Facilitate, Coordinate and Drive adoption of 5G Policy by Government Sector

- *QUICK WIN: Cashless payment, Digital Signature*

- *PRIORITIES: Adoption of digital technologies, Data driven government, NDID implementation*

- *SPV 2030 : SMEs involvement in DE*

Technological adoption across the six thrust areas to be identified by respective ministries and agencies given their in-depth and robust understanding of their daily operations

5G First Policy

- Pervasive coverage to enable service offerings.

- To facilitate adoption of services enabled by 5G.

- Faster adoption of 5G will see improvements both in the public and private sectors
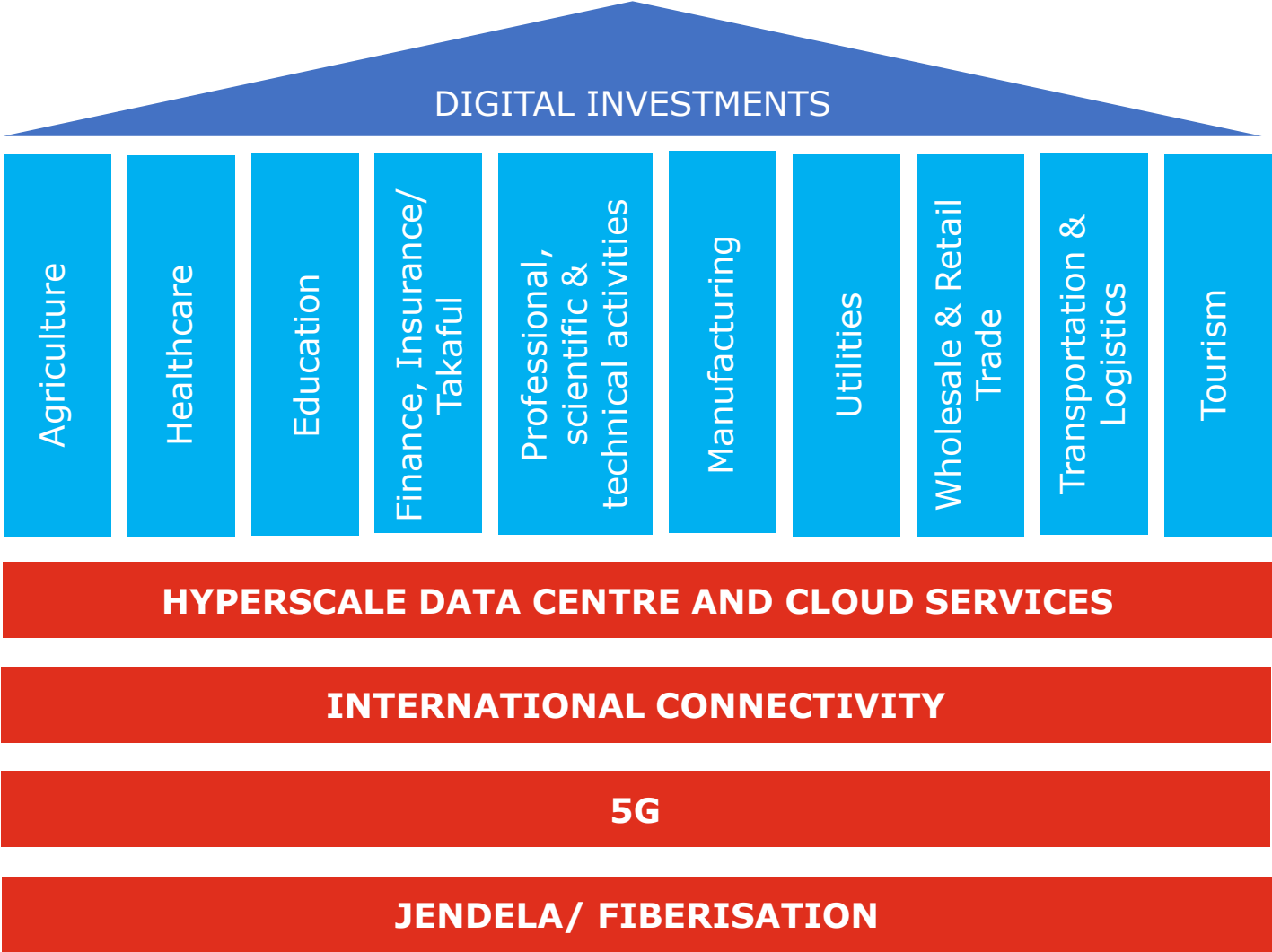
Adoption of digital technologies

- It is imperative for ministries and agencies to take ownership and create a dedicated role which will be responsible to drive the adoption of digital technologies.

- To facilitate industry verticals for immediate 5G adoption based on ecosystem readiness and impact to national GDP.
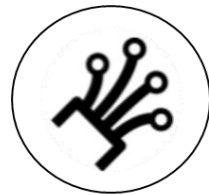
Streamline of policies and regulations

- The government needs to ensure that current policies, regulations and strategic direction are aligned in order to achieve the objective of MyDigital.

- Overaching policy/ regulations/ laws to enable the implementation and use of digital services despite restriction and some sectorial regulations/law to support Digital Economy.

Catalysing digital investments in infrastructure to drive Digital Economy

DIGITAL INVESTMENTS

- Agriculture
- Healthcare
- Education
- Finance, Insurance/ Takaful
- Professional, scientific & technical activities
- Manufacturing
- Utilities
- Wholesale & Retail Trade
- Transportation & Logistics
- Tourism

HYPERSCALE DATA CENTRE AND CLOUD SERVICES

INTERNATIONAL CONNECTIVITY

5G

JENDELA/ FIBERISATION

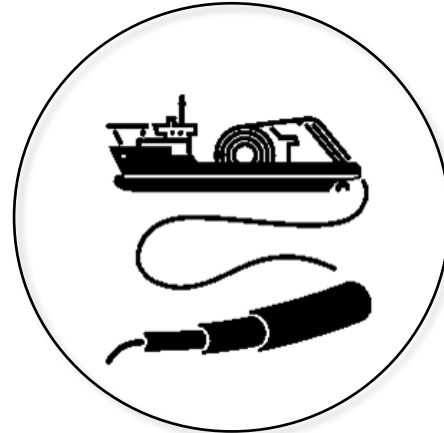# JENDELA enhances digital infrastructure for better quality 4G, prepare the country for 5G

GigabitAccess
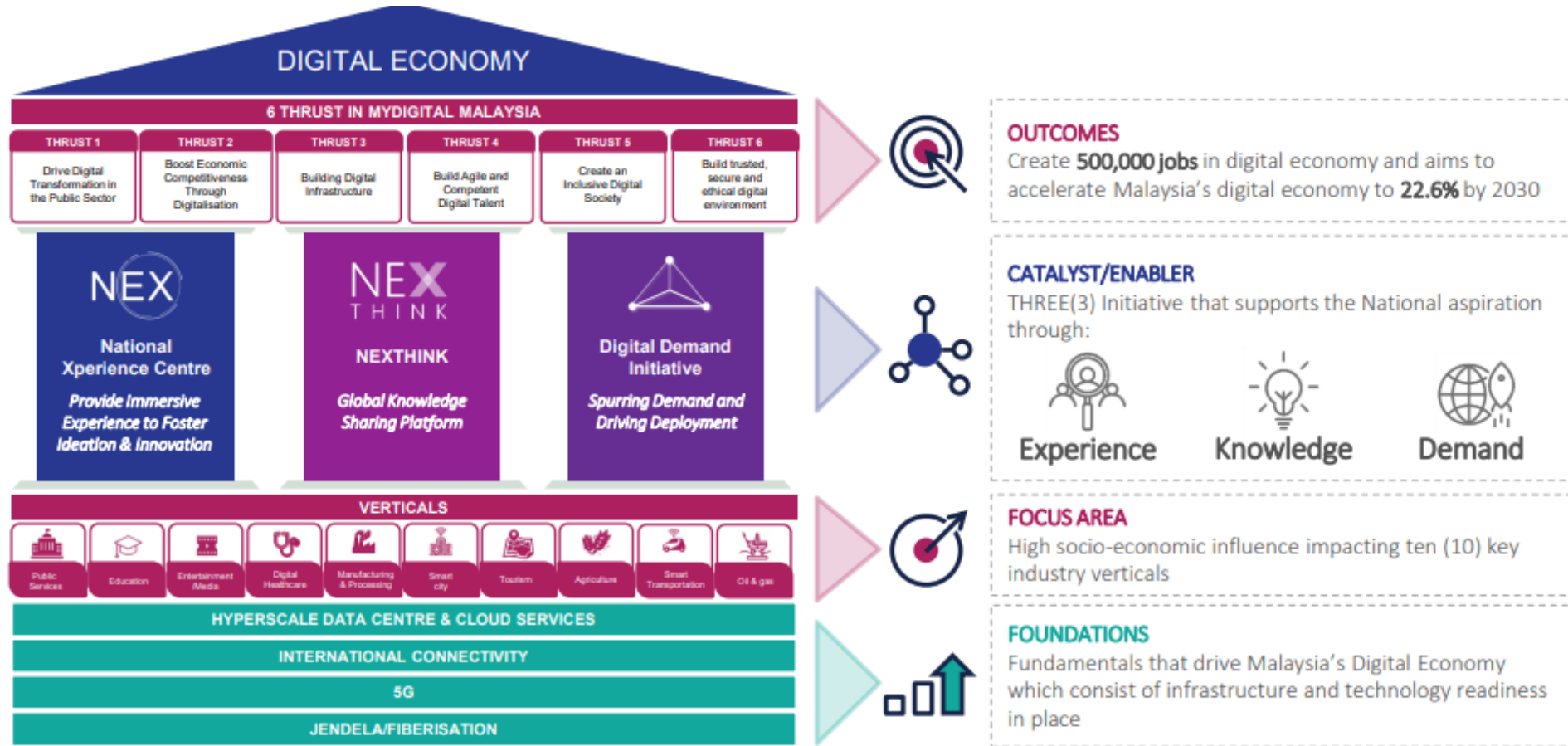Fixed Broadband

> 100 Mbps Mobile
Broadband

100% 4G Coverage

Strengthen international
connectivity via the
submarine cable network
deployment

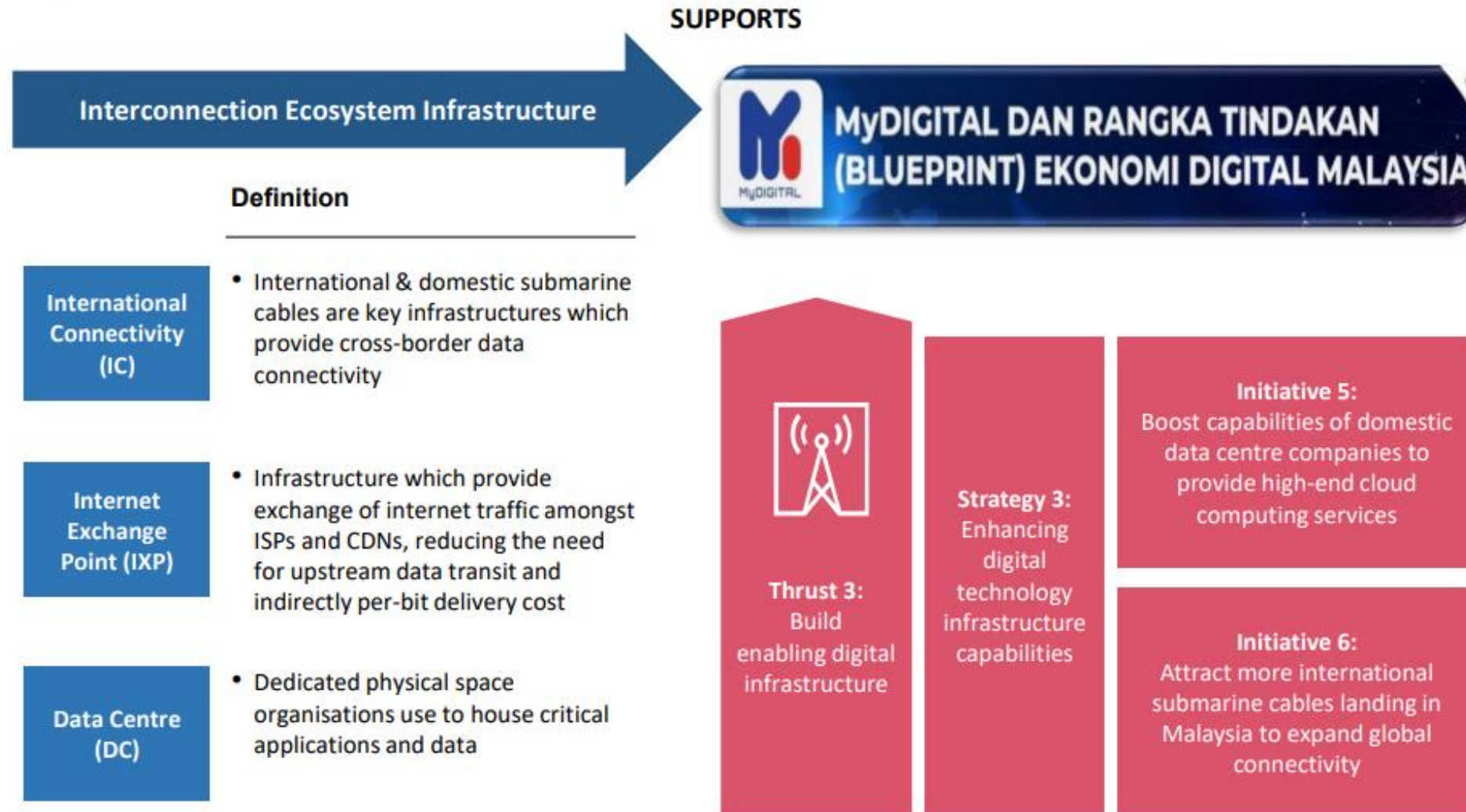Commercial 5G roll-out in
phases commencing end
of 2021

Over the next five years, Malaysia is investing a total of RM50 billion in digital infrastructure

National Digital Experience Centre or NEX - An immersive and innovative space to showcase digital experiences and services of the future.

The Masterplan of NEX

National Interconnection Ecosystem - aims to strengthen connectivity to the international submarine cable network until the year 2023.

NIEL opens up space for faster and more stable international data transfer, in turn lowering internet costs to consumers in Malaysia.

THANK YOU