Digital Economy Masterplan 2025
Sesungguhnya kami tidak mempunyai pengetahuan selain daripada apa yang Engkau ajarkan kepada kami. Sesungguhnya Engkauah Tuhan yang Maha Mengetahui lagi Maha Bijaksana.

Terjemahan Makna Ayat 32, Surah Al-Baqarah

Titah by His Majesty Sultan Haji Hassanal Bolkiah Mu’izzaddin Waddaulah ibni Al-Marhum Sultan Haji Omar ‘Ali Saifuddien Sa’adul Khairi Waddien, Sultan and Yang Di-Pertuan of Brunei Darussalam in conjunction with His Majesty’s 73rd Birthday Celebration on 15th July 2019
Co-Chairs Foreword

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Co-Chairs Foreword

Co-Chairs Foreword

Co-Chairs Foreword
Vision and Mission
Strategic Outcomes
Wawasan Brunei 2035
Smart Nation
The Government, Industry and Society are closely interrelated in the eco-system of Digital Economy.

The DEC Flagship Projects on Digital ID, Digital Payment and People Hub serve as the backbone of the eco-system.

**Vision**

Smart Nation through Digital Transformation

**Mission**

To drive and enhance Brunei Darussalam’s socio-economic growth through Digital Transformation

**Strategic Outcomes**

- A digitally conducive ecosystem
- A digitally future-ready society
- A vibrant and sustainable economy

Efficiency and cost effectiveness
Vibrant and sustainable economy
Conducive policies and regulations
High quality of life
Highly skilled and educated people
Increased productivity and production

Competitive
Digital Economy is the key enabler to propel Brunei Darussalam to the status of a Smart Nation. For Brunei Darussalam, Smart Nation is driven by Digital Government, Digital Economy and Digital Society.

This means we need to go beyond enabling connectivity by leveraging on digital technologies and enriching our society with the necessary skills and knowledge.

Smart Nation is characterised by:-

• Vibrant and diversified economy;

• Improved competitiveness and economic growth by developing infrastructure, innovation, data capability, human capital and other resource; and

• Improved quality of life, public services, schools, safety, mobility of people and to achieve environment sustainability
The Digital Economy

As the key enabler for Smart Nation, the scope of Digital Economy goes beyond the ICT sector. Digital economy covers initiatives and activities, both in the digital and non-digital sectors, that leverages on technology to achieve impactful outcomes, such as:-

• increased productivity and production;
• enhanced efficiency;
• increased cost effectiveness;
• improved transparency and governance;
• encourages participation; and
• facilitates official, business and personal transactions.

This will be driven by the Whole of Nation approach with the full engagement and participation from the key industry players, academia and end-users.

It is only through the implementation and delivery of Brunei Darussalam’s digital transformation, can the vision of the Digital Economy be fully realised for economic progress and social well-being.
Current Digital Landscape

Digital Economy Masterplan 2025

Current Digital Landscape

EGov Development Index (out of 193 countries)

- 2014: 86
- 2016: 83
- 2018: 59

E-Government Development Index from United Nations E-Government Survey by United Nations (UN)

Global Cybersecurity Index (out of 194 countries)

- 2014: 16
- 2017: 53
- 2018: 64

Global Cybersecurity Index by International Telecommunications Union (ITU)

ICT Development Index (out of 176 countries)

- 2016: 54
- 2017: 53

ICT Development Index from Measuring the Information Society Report by International Telecommunications Union (ITU)

Global Innovation Index (out of 129 countries)

- 2017: 71
- 2018: 67
- 2019: 71

Global Innovation Index from The Global Innovation Index Report by World IP Organisation (WIPO)
### Current Digital Landscape

**Internet Broadband Usage**

- **134%** subscription of mobile service per 100 inhabitants in Brunei Darussalam. (as of 2019, source: AITI)

**Mobile phone usage**

- **95%** of individuals use the Internet which is measured by individuals’ daily usage as per the Brunei Darussalam ICT Household Report 2019.

**Mobile Broadband Service Coverage**

- **95%** of total population covered by 4G network - mobile broadband. (as of 2019, source: AITI)

**Fixed Broadband Subscription**

- **50%** subscription of fixed broadband service per 100 households and businesses in Brunei Darussalam. (as of 2019, source: AITI)

**Smartphone**

- **88%** of households own smartphones in Brunei Darussalam based on a 2,622 sampling number from the Brunei Darussalam ICT Household Report 2019.

**Household use Facebook**

- **61%** of household use Facebook based on 2,622 sampling number from Brunei Darussalam ICT Household Report 2019.

**Household with laptop**

- **61%** of households have ownership of laptops based on 2,622 sampling number from the Brunei Darussalam ICT Household Report 2019.

**Mobile Broadband Service Coverage**

- **80%** in Brunei-Muara
- **99%** in Belait
- **82%** in Tutong
- **70%** in Temburong
- **3G**
- **4G** (as of 2019, source: AITI)

**Mobile Broadband Service Coverage**

- **79%** in Brunei-Muara
- **98%** in Belait
- **80%** in Tutong
- **70%** in Temburong
- **3G**
- **4G** (as of 2019, source: AITI)

**Fixed Broadband Subscription**

- **79%** in Brunei-Muara
- **82%** in Belait
- **80%** in Tutong
- **70%** in Temburong
- **3G**
- **4G** (as of 2019, source: AITI)
Digital Economy Council

Wawasan Brunei 2035 Supreme Council

Digital Economy Council

Minister at the Prime Minister's Office and Minister of Finance & Economy II

Co-Chairs

Minister of Transport and Infocommunications

Minister of Primary Resources & Tourism

Deputy Minister of Finance & Economy (Economy)

Minister of Education

Deputy Minister of Energy

Yang Berhormat Dayang Nik Hafimi binti Abdul Haadii

Chairman of InfoCom Federation of Brunei

Member of State Legislative Council

Industry Representatives

Ministry of Transport and Infocommunications

Program Management Office

Monitoring the Initiatives of the Digital Economy

National Steer for Digital Transformation

The Digital Economy Council (DEC) takes over the roles of the Brunei Darussalam National IT Council (BIT Council) and the e-Government Leadership Forum (EGLF) in providing the direction and steer on digital economy initiatives for Brunei Darussalam.
Chapter 3

Strategic Thrusts
Strategic Enablers
Strategic Thrusts

Industry Digitalization

Currently, there is an unfamiliarity with the implementation of IR4.0 technologies, leading to a lack of understanding for digitalization.

Digitalization will create opportunities for innovation, and to chart key efforts, a digital transformation plan needs to be developed for each industry sector.

Focuses:

- Assessment of capabilities and readiness of players to adopt IR4.0 technologies
- Drive adoption of technology through training on key technology solutions and collaboration with key industry players
- Undertake a comprehensive industry awareness programme across all stakeholders with particular focus on MSMEs
- Showcase IR4.0 technologies and application through pilot projects
Government Digitalization

The government plays a critical role in facilitating economic development.

Focuses:
- Implement a digital identity ecosystem
- Innovate the public experience by development services that promote a holistic lifecycle approach
- Evolve the Cloud usage

A Thriving Digital Industry

The ICT sector needs to look towards the application of technologies to nurture and sustain growth for the improvement of the local digital sector, and other specific sectors.

Focuses:
- Implement cybersecurity initiatives
- Endorse and implement digital data policy that will provide governance and a framework for data protection and sharing

Manpower and Talent Development

Brunei's future workforce needs to be digitally capable, equipped with the right skills to adapt to the rapid developments in technology.

Focuses:
- Study the demand for digital jobs in all industries
- Enhance the capabilities of the existing workforce by re-skilling and redeployment of human capital
- Update the education programmes and develop local capabilities
- Create a digital lifelong learning framework
Strategic Enablers

1. Smart Nation Platform
   A robust and extensive Smart Nation platform is crucial to support a seamless service delivery among government agencies, businesses and citizens.

2. Digital Data Policy and Governance Framework
   This will result in the establishment of a national data office that will oversee the policy and governance of data for personal, commercial and official purposes in the long run.

3. Policy and Regulatory Framework
   Digital economy initiatives will be guided by policies and regulations in line with innovation and technological trends.

4. Cybersecurity
   The increase in digital usage has brought about the need to protect data, infrastructure and networks from growing cyber threats. Trust is key, and with the establishment of Cyber Security Brunei (CSB), cybersecurity will continue to be addressed and prioritized.

5. Research and Development (R&D) and Innovation in Digital Technologies
   R&D and innovation are crucial to power sustainable digital transformation plans.
4

Chapter

Key Projects
Key Success Measures
Way Forward
Key Success Measures

1. A vibrant and sustainable economy
   - Increased contribution of the digital sector to GDP growth
   - Increased GDP generated from other economic sectors from digital transformation
   - Widespread use of ICT in major industries
   - Increased rate of Bruneians with access to broadband as a basic utility
   - Improved quality of life through inclusive access to digital services
   - Increased digital literacy rate among Bruneians

2. A digital and future-ready society
   - Top 40 of International Telecommunications Union (ITU)
   - The ICT Development Index:
     - **Access**: ICT readiness infrastructure
     - **Use**: ICT intensity and usage
     - **Skills**: Capabilities including education enrolment

3. A digitally conducive ecosystem
Digital Transformation Plan to be spearheaded by Ministries for the Clusters identified under Digital Economy Council.

Digital Transformation Plan to include the following components:-
The Government, Industry and Society are closely interrelated in the eco-system of Digital Economy.

The DEC Flagship Projects on Digital ID, Digital Payment and People Hub serve as the backbone of the eco-system.