

# **Brunei Internet Smart Energy Project**





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### 01 Brunei Digitalisation and IT sector

**SECTOR OVERVIEW** In 2020, Brunei's Digital Economy Council, formed in 2019, launched its first five-year master plan towards transforming the country into a Smart Nation. The council was set up to

### Integrating Renewable Energy Technologies: Brunei Committed to Energy

Brunei aims for renewable energy to account for 30% of total electricity generation by 2035, which will be driven by the nation's largest solar photovoltaic project--a 30-megawatt power



### GREENTEXS HOSTS EXPERT TALK ON GREEN

Sep 22, 2025 The Centre for Green Technology and Sustainability Research (GreenTEXS) at Universiti Teknologi Brunei (UTB) hosted an Expert Talk Series

### Brunei Makes its Water Management Smart with

Anian, a Brunei-based IoT solutions provider, is deploying a LoRaWAN® network throughout the Sultanate of Brunei, serving the country's



### Pre-Terminated Patch Panel

- Standard 19" width
- Max 144 fibers in 1U
- MPO/Fusion Dual-Purpose



Removable Cable Management Tray



Transparent Front Cover



High-Quality Matte Coated Steel



## BRUNEI'S ENERGY TRANSITION

MoU to Develop and Promote Collaborate in Energy Cooperation Areas: Sustainable energy, renewables, energy efficiency and conservation, EV and other new low carbon technologies.

### Brunei smart grid roadmap

What is Brunei aiming to achieve in 2035? The target is to increase the share of Renewable energy in the total power generation mix by 10% or 954,000 MWh in 2035 and at the same time to reduce



### China-Brunei energy cooperation powers a sustainable industrial

China and Brunei have strengthened energy cooperation, with enterprises from both countries collaborating on oil and gas development and sustainable energy projects. Landmark



### **Integrating Renewable Energy Technologies: Brunei Committed to**

(Bandar Seri Begawan, 29th) Brunei has reiterated its commitment to a just and inclusive energy transition, emphasizing efforts to integrate renewable energy and modern grid technologies to

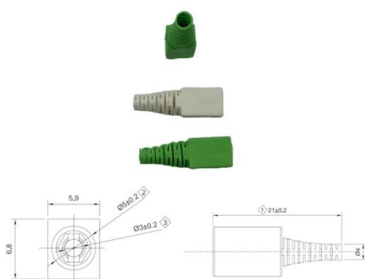


### **Brunei must improve power efficiency and curb high consumption: PMO**

To address this, new power plants set to come online in 2027 and 2028, will incorporate Combined Cycle Gas Turbine technology, which is expected to raise overall efficiency beyond 35%.

### **Brunei: The Road to Becoming a 'Smart Nation' - Challenges and**

With the government's steadfast commitment and a whole-of-nation approach, Brunei can successfully transform itself to becoming a Smart Nation through harnessing the promise of



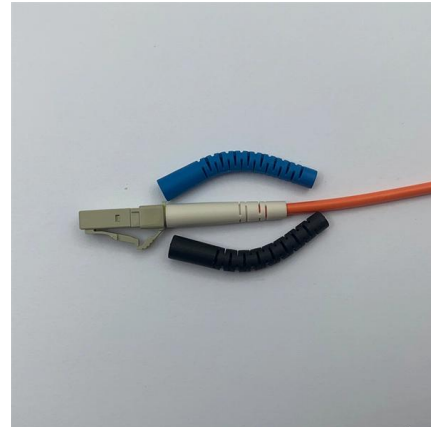
### **MTIC Strategic Plan (MTIC 2025)**

MTIC Strategic Plan (MTIC 2025) MTIC's primary emphasis is in line with the desire of His Majesty the Sultan and Yang Di-Pertuan of Brunei Darussalam to become



## Energy Transition Division , Department of Energy

Its roles and responsibilities are to explore alternative low-carbon energy options, assess emerging technologies and trends, and develop frameworks and policies



## ASEAN Digital Community 2045

Building a digital economy extends beyond the mere development of digital businesses, which constitute just one pillar of the broader digital economic ecosystem. Brunei Darussalam is

## USTDA Grant Supports Sarawak Energy's Digital

Under this partnership, USTDA will assess the status of Sarawak Energy's digital landscape and support its strategic roadmap to enable the



## Brunei reaffirms commitment to energy transition , The Star

At the meeting, Brunei underscored that its energy transition strategy goes beyond the deployment of renewables, focussing instead on a balanced and



### Brunei's Future Sustainable Energy: Empower Green Innovation

The Smart Grid Upgrade project seeks to modernize Brunei's electricity system by integrating digital monitoring, automated controls, and advanced communication technologies across the national grid.



### Brunei Internet of Things Energy Market (2025-2031) , Trends,

6Wresearch actively monitors the Brunei Internet of Things Energy Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and

### China and Brunei Forge Greener Industrial Future Through Energy

China and Brunei are strengthening ties through landmark solar projects and refinery expansions, driving a sustainable industrial transition and green energy goals for 2035.



### BRUNEI'S ENERGY TRANSITION

Transition Statement. Commit to accelerate deployment of renewable energy and phase out the use coal by 2050. o Brunei Darussalam, Malaysia & Singapore signed Declaration on Hydrogen and

### Digitalization in Brunei and Singapore



9 Priority areas: Energy, Agri-food, Financial services, Business services, Education, Health, Tourism, Halal, Logistics & transportation 2. Brunei



### BRUNEI DARUSSALAM

1.1. Background Brunei Darussalam envision a Smart Nation through Digital Transformation<sup>1</sup>, to drive and enhance our socio-economic growth through adoption of key technological developments such

### Digital Economy Masterplan 2025

Waddien, Sultan and Yang Di-Pertuan of Brunei Guided by the vision 'Smart Nation through Darussalam, has at various occasions, shared Digital Transformation', the Digital Economy his wise



### AITI Strategic Plan 2020

AITI has developed a five-year strategic plan with a vision to turn Brunei Darussalam into a Connected Smart Nation, which AITI aims to realise through the execution of this plan.



## Bandar Seri Begawan Energy Storage Projects Powering Brunei s

Summary: Discover how Bandar Seri Begawan Energy Storage Company drives innovation across Brunei's power grid stabilization, renewable energy integration, and industrial applications. Explore



## Bandar Seri Begawan Energy Storage Project Powering Brunei s

SunContainer Innovations - Brunei's capital, Bandar Seri Begawan, is stepping into a new era of energy sustainability with its groundbreaking energy storage project. Designed to integrate renewable

## Brunei: Challenges and Opportunities in Becoming a

Realization of a Smart Nation In the longer-term, the government aims to transform Brunei into a Smart Nation--one driven by digital government, digital



## Brunei smart grid roadmap

Digitalization and Smart Grid Technologies: The adoption of digital technologies and smart grid solutions is gaining momentum in the Brunei power market. Advanced metering infrastructure, real-time



**Universiti Brunei Darussalam and IBM  
collaborate to drive smart energy**

With the new engagement, UBD and IBM intend to explore how a variety of long-term and dynamic factors affect energy consumption patterns. This research will play a vital role in capacity



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