

# **Philippine transmission nodes use smart energy storage cabinets for communication**



## Overview

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The United Nations Development Programme (UNDP) diagnosed the pressing need for a solution and responded by deploying rapid-response BTS (Base Transceiver Station) Energy Boxes to ensure communication resilience in disaster-hit areas. HighJoule specializes in offering disaster-ready telecom power. The Southeast Asia Energy Transition Partnership (ETP) is a multi-stakeholder platform that aims to accelerate the energy transition in Southeast Asia and deliver the Paris Agreement targets on climate change by bringing together government donors, philanthropies and partner governments. ETP aims. In an unprecedented convergence of space technology and energy infrastructure, iONTEK Energy & Environmental Solutions is transforming how the Philippines manages its power grid. Through strategic partnerships with the Philippine Space Agency (PhilSA) and the European Union's Copernicus Programme. Integration with GIS will help to identify fault locations and resolve power outages faster and more efficient. DC2020-02-0003 Providing a National Smart Grid Policy Framework for the Philippine Electric Power Industry and Roadmap for Distribution Utilities provides a policy framework and a roadmap for transitioning the Philippine Power System into a .

## Philippine transmission nodes use smart energy storage cabinets for



### [Philippines' Grid Expansion: NGCP focuses on renewables' integration](#)

Beyond 2030, the focus will be on extending the 500 kV transmission backbone from Nagsaag to Santiago and adding new 500 kV substations in Palauig and Tagkawayan, besides

### UNDP's 72-Hour BTS Energy Box Deployment for Philippine

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### Philippines House of Representatives passes national

Framework for deployment, commercialisation, and utilisation of energy storage passed by the House of Representatives in the Philippines.

### Presentation Template (local)

AMI is an integrated system of smart meters and other related devices, communication networks, and data management systems that enables two-way communication between utilities and its customers.



### Smart Grid Policy Framework and



### [From Space to Socket: How iONTEK is Revolutionizing Philippine Energy](#)

Using Sentinel-1's InSAR capabilities, iONTEK monitors transmission tower foundations across the Philippines, detecting ground subsidence at millimeter-level precision.



### [PHILIPPINES: Department Circular No. DC2020-02-0003 Providing a](#)

The Circular applies primarily to Distribution Utilities (DUs), including grid-connected, micro-grids and off-grid systems.



## **Roadmap For The Philippines**

It outlines existing technologies and provides a roadmap for utilities to address these changes through distributed energy resources, energy storage, smart grids, and other solutions.



## **Grid Enhancement: Philippines' focus on transmission and RES**

The Philippines is poised for a significant transformation in its energy sector, emphasizing RES to meet its growing electricity demand and reduce reliance on fossil fuels.



## **The Philippines Grid Diagnostic: Smart Grid Development**

The Philippine Grid Diagnostic Project (the Project) will address two key challenges facing the country as it upgrades its power grid to be smart grid compatible and be able to integrate an increasing share

## [DOE now requires energy storage for large-scale renewable energy](#)

Beyond private power plants, the DOE has instructed the Transmission Network Provider (TNP) and distribution utilities to incorporate energy storage into their long-term infrastructure



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