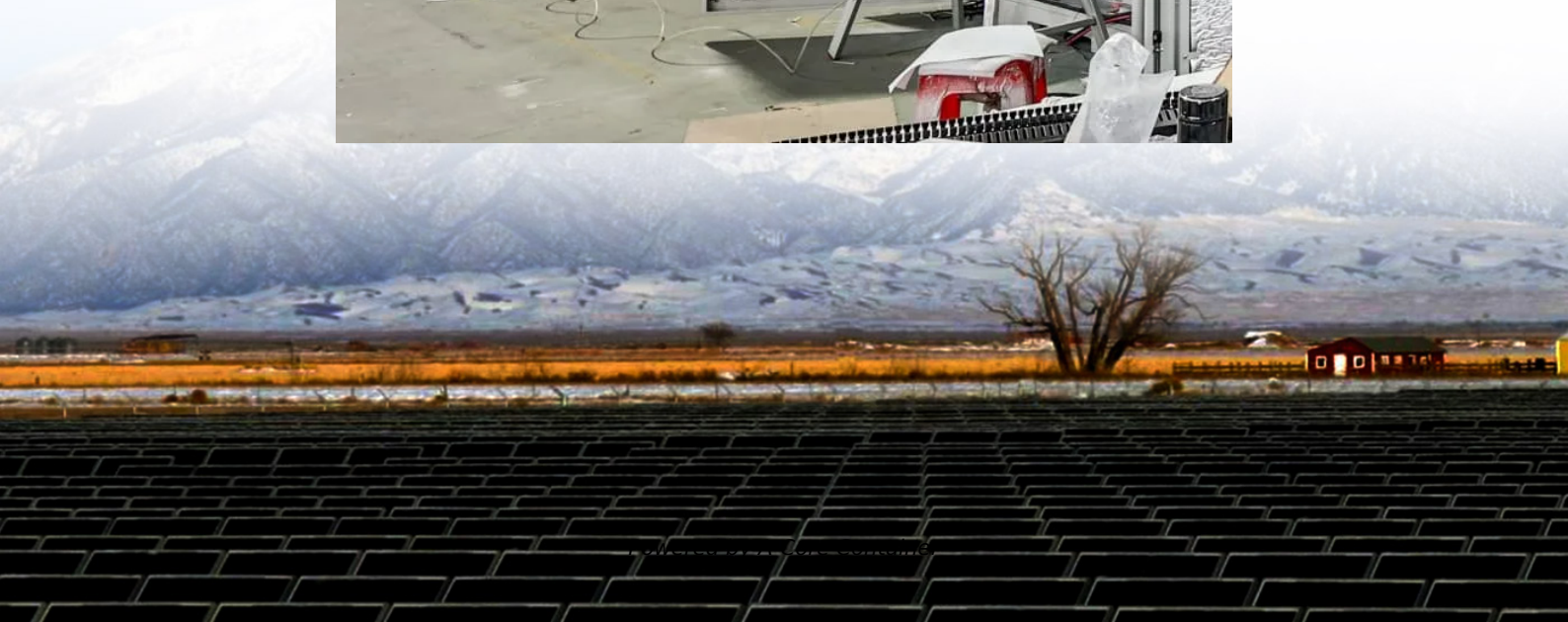


## A-Core Container

# Three Indonesian communication base stations use hybrid energy



## Overview

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Does a base transceiver station stabilize energy distribution?

From the simulation results obtained, the control system can stabilize energy distribution well, and there was an overshoot of 8.3% of the nominal value of the bus when switching switches to the diesel generator. Base transceiver station or known as BTS is an infrastructure for telecommunications bridge that connects users wirelessly.

Why should you use a bidirectional converter in HES (hybrid energy source)?

By using a bidirectional converter, the battery discharging voltage and the battery charging current can be controlled. So this is one of the advantages of using this converter in HES (hybrid energy source) to sustain voltage stability.

What is the energy source of a BTS radio?

The energy source is a 16.5kVA grid with 220VAC voltage. There are loads that must be provided by the grid, namely load with AC voltage and load with DC voltage. First, for the DC voltage load a BTS radio with 1200 W power and 48VDC voltage is used.

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### Contact Us

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