

Case Study

Kennedy Space Center VAB

Overview

Access to critical equipment deployed in remote locations such as Radio and Cellular towers are typically restricted and unfeasible because it requires extensive time and resources.

In a recent application, **Kennedy Space Center Amateur Radio Club (NIKSC)** deployed Synaccess LTE-enabled PDU to remotely power and manage their Radio Equipment atop of the 500-foot Vehicle Assembly Building (VAB).

Requirements

Robust LTE Communication

In case of a network outage, the PDU must have a backup interface to safely activate or deactivate devices. LTE-enabled SynLink PDUs use fast and secure LTE network as a fallback communication channel.

Environment Monitoring

The customer needs to monitor temperature and humidity of their equipment. SynLink PDUs support temperature/humidity sensors and other plug-and-play accessories.



Photo Credit: NASA

Safely activate/deactivate Radio Equipment per FCC regulation

FCC requires safe remote activation and deactivation of Amateur Radio equipment. SynLink Switched Pro+ PDUs has individual outlet switching control as well as per-outlet metering to provide an all-around power management.

Recommendation

SynLink recommended **SP1001AIE-01-M01** which provides per outlet switching and power measurement and per circuit energy (kWh) measurement. The embedded LTE-enabled modem ensures 24/7 un-interrupted access.



Result

Synaccess engineering team worked closely with NIKSC in the development and deployment of the PDU and LTE antenna. The project completed within schedule and is now fully operational providing 24/7 un-interrupted remote visibility of their radio equipment.

Synaccess continues to work with NIKSC to provide on-going support and features add-on/improvement to further ease their remote management.