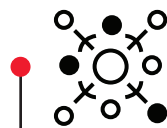


Enabling Kodiak Island to integrate renewable energy and stabilize power supply

## Microgrid runs remote Alaskan island on renewables

Expanding crane operations at the port of Kodiak Island posed a challenge because it meant that they would likely have to rely more heavily on fossil fuel generators.

The e-mesh PowerStore allows KEA to shave the peaks off their cranes' load, while reducing the stresses placed on the battery systems and extend their lifespans.



**Hitachi Energy's solution** incorporates two flywheel energy-storage devices with inverters to deliver power to **15,000** inhabitants living in seven communities



**42 MW electricity capacity**  
Generated by hydropower and wind

**Renewable energy**  
can supply more than **99%** of islanders' electricity needs



**Fuel savings**  
Reduced reliance on diesel generators

Kodiak Island,  
Alaska, USA

