AiTHER SYSTEMS

FOR WIRELESS CARRIERS

Keep every site on air — for less.

AiTHER's behind-the-meter battery storage and EMS protect the whole site within milliseconds of an outage, take diesel cost and hassle off your network, and lower the utility bill at every meter — with no capital required.

WHAT IT MEANS FOR YOUR NETWORK

- ✓ Fewer outage-driven site drops
- ✓ Lower opex: fuel, PMs, battery swaps
- ✓ Lower energy bills as 5G loads grow
- ✓ Less diesel, lower site emissions

4–72+ hrs
of whole-site backup, HVAC included

< 5 ms
transfer when the grid drops, vs. 10–30+ s for a generator

$2K–13K
potential energy value per site, per year*

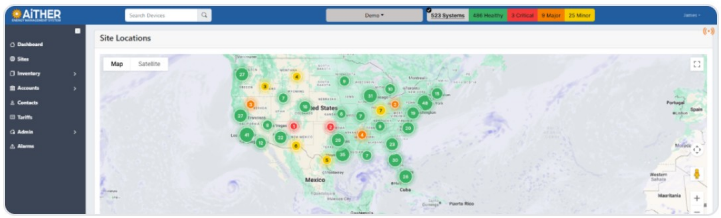
~41% lower
15-year cost of ownership vs. a diesel generator*

The Platform iQLV battery + iQP18 inverter



- Stackable LFP modules from **32 to 576 kWh**, sized to each site's load and backup target
- Your rectifiers and a small DC string stay for ride-through — **radios see no change**
- LFP lasts the full term — no lead-acid swaps every 4–6 years
- UL 1973 / 9540 / 9540A certified; designed for NFPA 855

AiTHER EMS included at every site



- **Plugs into your NOC** via SNMP, Modbus, MQTT or REST — no new console to watch
- **Resiliency first:** holds a backup reserve, pauses dispatch ahead of storms
- **Cuts the bill:** TOU shifting, peak shaving, demand response, generator runtime
- Alerts only on exceptions; remote setpoints and OTA firmware — **no truck roll**

Three ways to deploy same platform and EMS; you choose who owns and who operates

01 · EQUIPMENT PURCHASE

Own the hardware

Buy at volume-tier pricing; your teams install and run it, with the AiTHER EMS included at every site.

+ Full asset control
+ 10-year product warranty
+ Fits in-house O&M and capex budgets

02 · MANAGED SERVICES

You own it, we run it

You own the hardware; AiTHER monitors, optimizes and maintains it under a monthly service tier you choose.

+ Monitoring, energy mgmt or full O&M
+ Frees your field teams
+ 10-year product warranty

03 · ENERGY-AS-A-SERVICE

Zero capex, one monthly fee

AiTHER owns, installs and operates it; maintenance, replacement, capacity upgrades and insurance included.

+ No capital outlay
+ 15-year warranty and uptime SLA
+ Turn-key, starting with a pilot

On shared towers: we can also deliver through your tower landlord as one consolidated backup for every tenant. **Upside on every model:** demand-response and wholesale-market revenue (FERC Order 2222).

*Indicative; varies by tariff, load profile, outage frequency and program participation.

AiTHER SYSTEMS

FOR WIRELESS CARRIERS

Backup power that pays for itself.

Under Energy-as-a-Service, AiTHER owns, installs and operates the battery at your site for a monthly fee. It protects the whole site within milliseconds of an outage — and earns money back every day the grid stays up.

Your 15-year value, per site

Example: PG&E territory · 7.5 kW load · 24-hr backup · 100 generator hours a year

RECOMMENDED SYSTEM	ENERGY CAPACITY	BACKUP DURATION
iQLV 192	192 kWh	24 hours

WHERE YOUR VALUE COMES FROM · THREE STREAMS THAT STACK



Avoided generator TCO
No generator to buy, maintain, refuel or replace over 15 years

Runtime savings
Less diesel and wear

Electricity savings
Charges off-peak, discharges on-peak

15-YR NET VALUE

$83,559

per site, after 15 years of EaaS service fees

Avg savings / month	$464
Avg savings / year	$5,571
Upfront capex	$0

Sized for your outage profile

Pacific region reliability vs. a 24-hr AiTHER system

4.3 hrs — average outage from major events (CAIDI)

1.4× / yr — major-event outages per site (SAIFI)

5+ — average outages covered on one full charge



24-hr battery ÷ 4.3-hr avg. outage

1–3 hrs — LFP recharge, vs. 8–24 hrs for lead-acid

Most outages never reach the generator; for multi-day events it starts only if needed.

Better than today's backup stack

AiTHER battery vs. a standby diesel generator at a telecom site

	AiTHER BESS iQLV + EMS, under EaaS	Diesel generator Standby, site-owned
Power interruption	**< 5 milliseconds** Site never drops	**10–30+ seconds** Site down until start-up
Backup duration	**4–72+ hrs on battery** Unlimited with a mobile gen	**Unlimited** If fuel arrives
Ownership & upkeep	**AiTHER owns & maintains** One monthly fee	**Your field team's job** ~$5,100/yr PMs & refueling*
Turn-key install & permitting	✓	⊗
No fuel deliveries or on-site tank	✓	⊗
Generator stays off for everyday outages	✓	⊗
Silent, no exhaust	✓	⊗
Earns value when the grid is up	✓	⊗

What's included under EaaS

Also available as equipment purchase or managed services

Zero capex
One monthly fee; AiTHER owns the asset and carries replacement and insurance

15-yr warranty + SLA
Uptime service level, preventive and corrective maintenance included

Fits your NOC
EMS alarms and reports via SNMP, Modbus, MQTT or REST; alerts only on exceptions

Generator, right-sized
Works with your mobile generators for multi-day events; downsize, share or retire