

# PUBLIC SAFETY AND FIRSTNET DESERVE MODERN BACKUP POWER TECHNOLOGY

## The only fully integrated fuel cell solution designed with 48 hour + runtime

During emergencies, public safety needs to be able to communicate without interruption – which means constant, available power even when the grid fails. Backup power is an essential requirement needed to successfully deploy FirstNet's wireless broadband network. Traditional solutions – batteries and generators – are not up to the task of supporting the redundancy, reliability, and long runtimes required for the success of this public safety network. Modern, intelligent fuel cell backup power systems deliver the reliability, extended runtime, and flexibility needed for critical infrastructure applications. In addition, fuel cells are also a clean source of power eliminating the noise and air pollution that other forms of power create.

Altery's Freedom Power Public Safety Platform (PSP) is the only fully integrated fuel cell solution on the market today specifically designed for public safety applications. With higher reliability, lower Capex costs, lower ongoing maintenance costs, and lower total cost of ownership than batteries or generators, Altery fuel cells are the most cost-effective backup solution today.

With the largest deployed fleet of fuel cells in telecommunications today, Altery's portfolio of public safety backup power solutions deliver peace of mind during power outages and other emergency situations.



### Altery's Freedom Power Public Safety Platform (PSP)

- Dual power source in single cabinet
- Low installation and maintenance costs
- Fully integrated in compact footprint – radio, power and fuel
- 24 hour + runtime for emergency and rural area needs
- Avoid unreliable batteries and dirty, noisy generators
- SNMPv3 Security Interface
- Made in USA

#### Altery's Freedom Power fuel cells provide freedom from:



# Modular Fuel Cell Solutions for Multiple Public Safety Applications

Fuel Cell Power System  
(suitable for connection with telco hut)



Integrated Radio Cabinet with 48 Fuel Cell UPS



Fuel Cell Power System – 7 day runtime solution



## Altergy's "All-In-One" Integrated Fuel Cell Solutions meets FirstNet's needs

FirstNet's Goals for Network	Altergy PSP 48 hour solution	Altergy PSP 7 day solution	Batteries	Generators	Explanation
Redundant backup power for secure, available network.					Altergy's fuel cell solutions provide redundant backup power sources, no need for any additional power source.
Single site visit installation.					Unlike batteries and generators, Altergy's fuel cell solutions are factory integrated into one cabinet. Competitive solutions may require many visits.
Solution serves remote and rural areas.					Altergy's 7 day solution provides security in areas that need more time to recover from natural disasters.
Hardening of network strengthens cell tower sites reliability and security.					Altergy fuel cells provide the only means to provide power during potential threats to our national security and interface on secure SNMPv3 GUI.
Cost investment necessary for public safety.					Altergy's fuel cells can reduce total cost of ownership by 50% or more compared to batteries and generators.
Public Safety extends to environmental concerns regarding building additional infrastructure.					Altergy's fuel cells are a green alternative to dirty diesel engines and hazardous battery disposal.

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