

# A Whole New Way of Looking at Power

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**Keep Running. No Matter What.**™



### At a Glance

**Company** 

- > Headquarters in Israel 3,000sqm facilities
- > 70 employees and Over 32M USD Invested in R&D



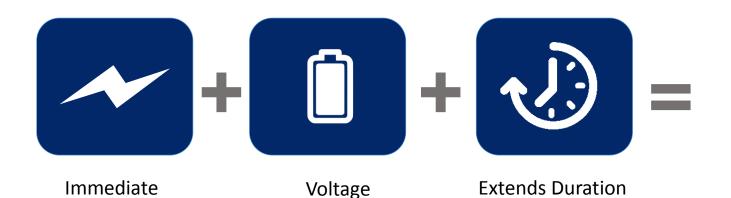
**Technology** 

- > Broke the "platinum barrier" non-precious, non-noble metal electro-catalysts
- > Created a new ammonia-cracking technology with non-platinum catalysts

**Products** 

- > Products deployed and validated in 6 countries including NA, LA, Europe and Israel
- > Flawless performance for the last 18 months at strategic customers

## 3-in-1 Innovative Power Solutions



Stability

(battery advantage)

#### **GenCell G5**



- ✓ Short term primary source
- ✓ Back-up power solution
- ✓ Hydrogen fuel

#### **GenCell G5a**



- ✓ Primary power source
- ✓ Off and poor grid solution
- ✓ Ammonia fuel

response

(UPS advantage)

(generator

advantage)

## The Ideal Power Solution

Parameter		Diesel Generators	Batteries	GenCell
*	Reliability	Low + single point of failure	Medium + single point of failure	Very high + redundancy
	Robustness	Sensitive to extreme weather (-25°c to +40°c)	Narrow optimal temperature range	Wide temperature range (-40°c to +45°c)
<b>A</b> c	Maintenance	Frequently Including oil changes & tune-ups	Frequently / quarterly Extensive for acid batteries	Annual
	Durability	3-5 year lifespan (overhaul 15,000 hours of operation)	3–10 year lifespan	15 year lifespan
	Start-up time	Not immediate (seconds)	Immediate	Immediate
<b>W</b>	Environment	High emissions & noise	Lead and acid storage/disposal issues	Zero emissions & noise
0	Fuel theft risk	High	N/A	Very low



## Ideal for Homeland Security Applications





Reliable, effective
economical and
green power that
kicks in as soon as it
is needed,
whenever it is
needed for as long
as it is needed





Protecting your missions critical operations and systems







# Thank you



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