



## Sustainable and Resilient Border Protection

Vigilantly safeguarding long and vulnerable borders and remote ports of entry against incursions, terrorists, drug traffickers and the illegal entry of undocumented aliens, border protection is no easy task. Rugged and resistant to extreme weather and field conditions, compliant with strictest cybersecurity standards and designed for rapid deployment and minimal maintenance,

the GenCell G5, A5 and G5rx backup and off-grid power solutions optimally meet the requirements of these challenging border protection and customs operations. In alignment with the targets of the U.S. Customs and Border Protection (CBP) who are strongly committed to sustainability and compliance with strict government regulations regarding consumption of energy and other natural resources, **GenCell's products generate 100% silent, odor and emission-free power.**

### GenCell supports key border protection operations:

- Extends surveillance operational support
- Enables response to electronic sensor alarms in remote areas
- Supports performance of routine watch duties, traffic and transportation checks
- Maximizes humanitarian support via 24/7 live electronic devices and security systems
- Expedites rapid, silent and unobtrusive spontaneous forward base deployment during security measures for which stealth is required
- Supports response to medical emergencies, enforcement and search and rescue operations, acts of terrorism and natural disasters
- Plug and play assembly facilitates rapid mobilization-operation-demobilization



## KEY ATTRIBUTES

- Electrochemical Generator Has No Mechanical Parts
- Zero Emissions
- No Combustion
- No Vibrations
- Whisper Quiet Operation
- Operational Intelligence via IoT Remote Management software
- Predictive Maintenance via Automatic Alerts
- Only Requires Annual Maintenance

The G5 product delivers ultrareliable, long-duration and cost-efficient power that kicks in immediately in the event of a grid outage and can operate for as long as fuel is available. (Typically, the G5 is supplied with fuel stores that maintain 24 cumulative hours of operation.) The G5rx offers the added feature of a protective enclosure which offers seismic compliance to withstand earthquakes. The A5 is designed for off-grid locations where each unit will run uninterrupted for as long as a year on a 12 ton tank of liquid ammonia, requiring no more intervention than an annual maintenance call.

All of the products are deployed with Remote IoT Manager software which allows the border authorities to supervise operations from a central control room where they can track all events, monitor real-time equipment status and performance and use the dashboards and reports to optimize their operations. Of especial importance for border authorities, the solutions have been tested and found compliant with strict cybersecurity standards, ensuring that the power sources will never pose any security threat.

**To explore how our products can meet your specific border protection requirements, [CLICK HERE >](#)**

GenCell backup and off-grid energy solutions offer affordable, reliable, clean power for humanity that renders diesel generators obsolete. Using the ultra-reliable technology that powers American and Russian spacecraft, we deliver backup power for utilities, homeland security, healthcare and mission-critical applications.

Our revolutionary process to extract hydrogen-on-demand from ammonia (NH<sub>3</sub>) enables us to sustainably power off-grid and poor-grid telecom towers as well as rural electrification.

GenCell has more than 90 employees, including many space program veterans. The company is headquartered in Israel with a worldwide distribution and support network and has unique intellectual property that includes patents, trade-secrets and know-how. For more details, visit us at [www.gencellenergy.com](http://www.gencellenergy.com)

