



GenCell FOX

OFF-GRID POWER SOLUTION*

* in beta-testing



GenCell FOX

THE OFF-GRID CHALLENGE

1.1 billion people lack electricity for lighting, telecom, cooking, clean water & economic development with 84% of them living in rural areas beyond the grid. Connecting these rural areas to telecom and electricity is critical for improving education, health, and quality of life.

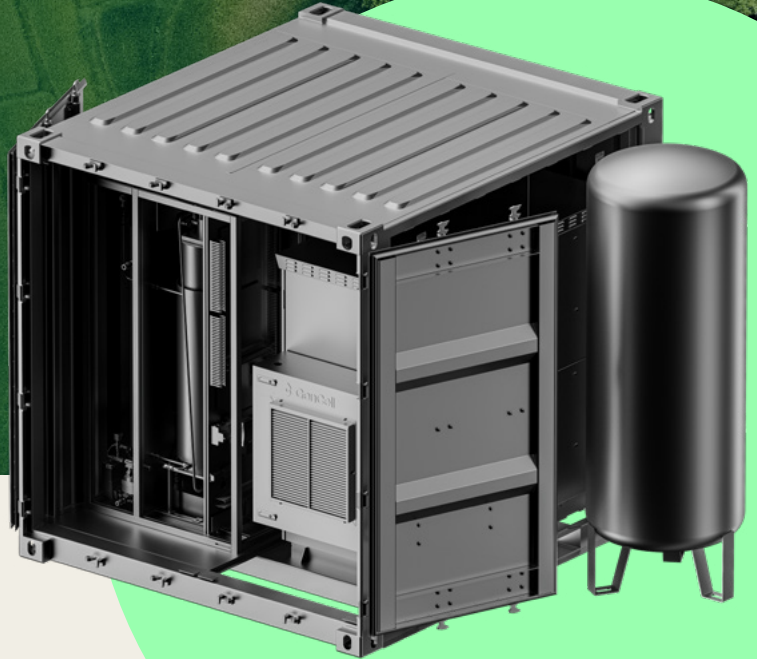
By 2020 there were more than 1 million telecom towers in off-grid and poor-grid locations powered by diesel generators polluting the air, contaminating the soil and requiring frequent maintenance. In addition, diesel generators and fuel are prime targets for theft and vandalism.

→ Ammonia2Power™



THE SOLUTION

Taking the Fast Lane
to Hydrogen – via
Ammonia



OUR BENEFITS

Fuel cell power with
unlimited runtime



Lower TCO than
diesel-based power
solutions



Embedded **Intelligent
IoT Edge** software
platform connects,
configures, monitors
and controls GenCell
FOX units

Overcomes limitations
of hydrogen
infrastructure



Zero emissions, no noise
and no vibrations



GenCell FOX™ OFF-GRID POWER SOLUTION*

The GenCell FOX™* off-grid power solution is designed to provide the benefits of green fuel cell energy with an economical and easily accessible liquid fuel - ammonia. The GenCell FOX solution is designed to use GenCell's patented ammonia cracking device to generate hydrogen-on-demand for powering its industry-proven hydrogen fuel cell generators. Operating at near atmospheric pressure, the system is designed to obtain sufficient fuel from two 12 ton tanks of ammonia to operate at rated power 24/7 for a full year.

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TYPICAL USE CASES



Telecom

↳ Base stations



Homeland Security

↳ Border protection
↳ CCTV



Electrification

↳ Schools
↳ Homes
↳ Field hospitals



Services

↳ Water purification
↳ Water pumps
↳ Heating

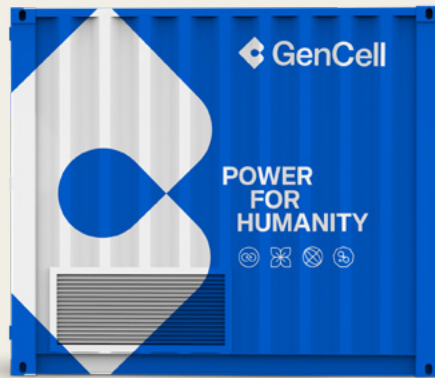
**GENCELL
GENERATES ⚡ POWER
TO BE ACCESSIBLE
ANYTIME,
ANYWHERE IN
THE 🌐 WORLD.**

GREEN ENERGY MORE ECONOMICAL THAN DIESEL

Ammonia (NH_3), the colorless, pungent gas, is an excellent source of hydrogen in its liquid form, containing almost twice as much hydrogen as liquid hydrogen by volume. Liquid ammonia can be stored in large tanks at room temperature and is safer than propane and as safe as gasoline. Established distribution channels using pipelines, barges and trucks make ammonia readily available and economical.



Ammonia²Power™



INTELLIGENT IoT EDGE SOFTWARE

— Our embedded software platform connects, configures, monitors and controls GenCell products locally or remotely.



- ↳ Built-in web server to monitor and control all units
- ↳ Automated online reporting to keep you on track
- ↳ Compatibility with common industrial protocols for connectivity to other systems in use
- ↳ Smart security and notifications

ABOUT GENCELL



GenCell Energy (TASE: GNCL) develops GreenFSG power solutions based on reliable, zero-emission alkaline fuel cells, Hydrogen2Power™, Ammonia2Power™ and Water2Power™ technologies that deliver uninterrupted power to help the world #SayNoToDiesel and transition to clean energy.

The ability to produce not only clean power from GenCell's fuel cells, but also the green fuel on which the fuel cells run, sets GenCell in a far superior position as a well-to-wheel total green energy solution provider.

GenCell delivers resilient, robust and weather-resistant backup power for utilities, telecom, EV charging and other mission-critical applications which have been deployed in 23 countries. Going ahead, we are designing an ammonia-based hydrogen-on-demand solution to provide economical primary power for off-grid and poor-grid sites, as well as for rural electrification.

GenCell numbers some 150 employees, including veterans of space and submarine projects. The Company is headquartered in Israel with a worldwide distribution and support network and retains unique intellectual property that includes patents, trade secrets and know-how.

↳ **CONTACT
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