



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.

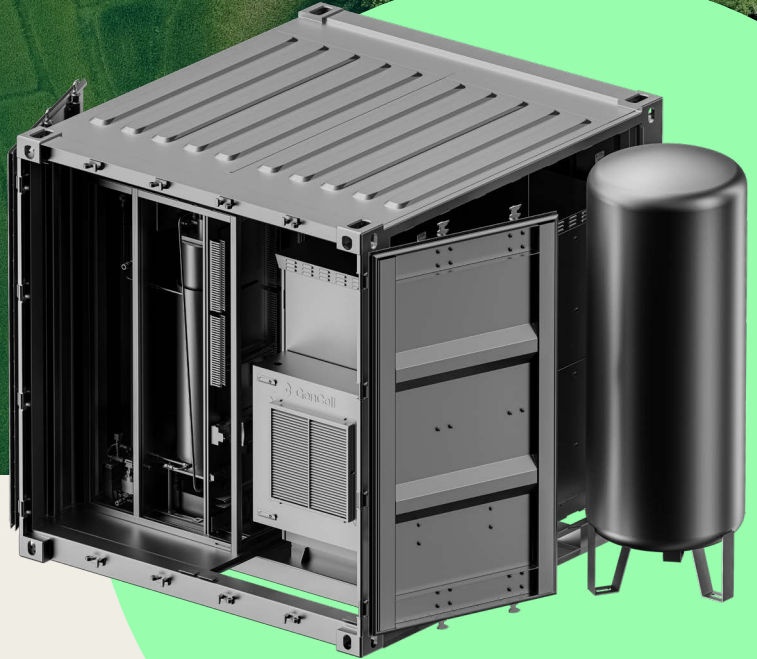
By 2020 there were more than 1 million telecom towers in off-grid and poor-grid locations powered by diesel generators polluting the air, contaminating the soil and requiring frequent maintenance. In addition, diesel generators and fuel are prime targets for theft and vandalism.

→ 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.

* in beta-testing

TYPICAL USE CASES



Telecom

↳ Base stations



Homeland Security

↳ Border protection
↳ CCTV



Electrification

↳ Schools
↳ Homes
↳ Field hospitals



Services

↳ Water purification
↳ Water pumps
↳ Heating

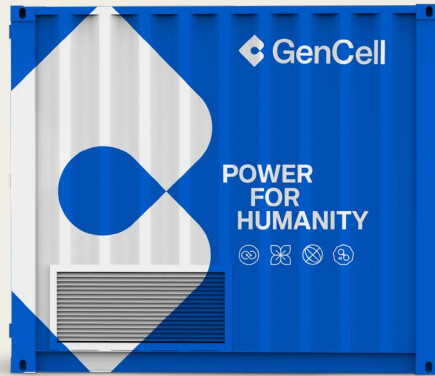
**GENCELL
GENERATES ⚡ POWER
TO BE ACCESSIBLE
ANYTIME,
ANYWHERE IN
THE 🌐 WORLD.**

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™



GEMS™ EDGE

— The core component of GEMS, is delivered as an embedded element of every GenCell solution for connectivity, computing and optimal system control and monitoring at the devices' edge.



- ↳ Monitoring and Data Collection
- ↳ System Utilization Tracking
- ↳ Management Software Integration
- ↳ Web-Based Remote Monitoring and Control
- ↳ Hydrogen-Level Calculations

ABOUT GENCELL



GenCell Inc., a wholly owned U.S.-based subsidiary of GenCell Energy, leverages GenCell's legacy Hydrogen2Power™ technologies, proprietary DERMS software and field experience to further develop the hydrogen-fueled, containerized GenCell EVOX® grid-optional and backup solution to power EV fleets and diverse electrified equipment to overcome the growing power gap.

GenCell Energy (TASE: GNCL), founded in 2011 to adapt revolutionary space fuel cell technologies to serve critical power applications on Earth, is dedicated to transforming the energy landscape by providing reliable, sustainable and climate-resilient power solutions that address the growing global demand for energy security and independence.

With rapidly deployable solutions and the introduction of advanced software such as GenCell GEMS™, GenCell Inc. is well-positioned to drive growth and expand GenCell's presence in key markets across North America and beyond.

↳ **CONTACT US**

GENCELLENERGY.COM
TEAM@GENCELLENERGY.COM

