APPLICATIONS & BENEFITS

OIL & GAS
Secure wells and rigs with real-time data flow - field crews stay online, IT stays protected, and the production stays compliant.

AGRICULTURE
Connect smart farms across ruralexpanses—simple for OEMs, secure for managers, scalable for growth.

ENERGY
Link electrical assets remotely—reliable for sites, robust for IT, strategic for leadership.

UTILITIES
Strengthen critical assets and mobile crews—uptime for the field, security for tech teams, value for the C-suite.

One Powerhouse of a Security Appliance - Elements® ES1000

Challenge

Your operations—whether sprawling oil fields, remote farms, renewable energy sites, or water management facilities—face relentless risks. Cyberattacks target vulnerable assets, fragmented connectivity disrupts control, and downtime threatens your bottom line. Traditional VPNs and APNs can't keep up: VPNs slow performance with latency and fail if breached, while APNs lack the security and flexibility for today's dynamic networks. Field teams struggle with unreliable tools, technical managers grapple with complexity, and executives face mounting pressure to protect and scale. In oil & gas, agriculture, energy, and utilities, you need a solution that works for everyone—from the site to the C-suite.

Meet FreeWave Element ES1000 powered by Zentry™ secure connectivity

The ES1000 is not just another cellular gateway. It is a cellular gateway that delivers secure, seamless connectivity for your critical assets. Secured by design with zero trust and scalable reach with one global SIM network, it outshines VPNs and APNs, offering rugged reliability, simplified deployment, and enterprise-grade protection—tailored to your toughest challenges.

FREEWAVE

Key Features

1. Zentry zero trust security
- Continuous authentication and end-to-end encryption lock down every connection—unlike VPNs, which crumble once perimeter trust is breached, or APNs, which offer minimal protection.
- Granular access controls safeguard data, giving field crews, IT, and leaders confidence in every link.

2. Global SIM Connectivity
- One SIM network ensures reliable coverage across rural sites, urban grids, or global operations—no carrier chaos, just fast, scalable access that beats VPN tunnels and APN silos.
- Supports fixed assets (e.g., wells, substations) and mobile units (e.g., tractors, utility trucks).

3. Rugged Reliability
- Built for harsh conditions—dust, heat, vibration—it keeps operations online where VPN latency or APN instability fails.
- Real-time control minimizes downtime, critical for field uptime and enterprise goals.

4. Simplified Deployment
- All-in-one design cuts complexity, delivering security and connectivity without the multi-tool mess of VPNs or APNs—easy for field teams, efficient for IT, and cost-effective for leadership.
- Quick setup gets you running fast, no disruptions.

5. Data-centric Decision Support
- Your network data is accessible on a permissions-based, robust data portal that provides customizable alerts, alarms and visualization so that decisions can be made in real-time.
- Permission asset access in real time provides network and asset security from anywhere you need.

Why it Beats VPNs and APNs

Over VPN: VPNs bog down with latency, rely on fragile central points, and demand constant upkeep. FreeWave's ES1000 secures every endpoint individually, runs leaner, and scales effortlessly—perfect for real-time needs and enterprise growth.

Over APN: APNs tie you to carrier limits and weak security. FreeWave's ES1000 includes one global SIM and Zentry security, delivering field-ready reliability and strategic flexibility no APN can match.

Real-World Impact: The FreeWave Difference

Increased Productivity
Keeps field sites humming and enterprise goals on track—beyond VPN/APN reliability.

Easily Implemented Plug-N-Play
Gets crews, IT, and leaders up and running quicker than traditional setups.

Global Reach, Local Control
One SIM connects assets worldwide, empowering site-level action and C-suite oversight.

Proven Security
Blocks 100% of unauthorized access—peace of mind from field to boardroom.

Three Decades of Remote Network Success
Designed, tested and manufactured in the United States with the FreeWave trust and reliability that networks have relied on for more than three decades.

Take the Next Step

Ditch the vulnerabilities of VPNs and the limits of APNs. FreeWave ES1000 frees you with field reliability to enterprise resilience.

Get started and contact us for a free consultation to see how this outshines VPNs/APNs for your team.

CONTACT US TODAY →