

nanoSAT™

Mobile Phone Networks



- Developed for the Department of Defense, **nanoSAT™** is the world's first fully functional mobile phone system that works everywhere you go.
- **nanoSAT™** cell sites are available in GSM, CDMA, 3G, 4G LTE and WiMAX.
- **nanoSAT™** works with all commercial satellite systems.
- Challenged by the need for cell phone communications in the middle of nowhere? RIVA Networks **nanoSAT™** technology is ideal for creating "communications islands".
- Organizations can now establish secure, private cell phone networks anywhere on earth, at a reasonable cost.
- Improve productivity and enhance worker safety with the convenience of smartphones, tablets and mobile phone technology.
- The **nanoSAT™** proprietary operating system runs on a small, low power consumption, fan-less, Single Board Computer (SBC).
- Communicate seamlessly across the most difficult environments from the control room, to the work area, to the living quarters.
- Operate in remote locations or international waters - anywhere there is no public infrastructure.
- **nanoSAT™ systems** are VoIP compatible, integrate with all major PBX systems; with cell phones provisioned as VoIP extensions.



nanoSAT™ 3G system shown

nanoSAT systems support:

Remote and Rural Sites

Aircraft, Oil Rigs, Ships and Yachts

Disaster Recovery, COG and COOP

- RIVA Networks remote **nanoSAT™** terminals include the cell network transmitter, the satellite transmitter and the complete network operating platform.
- **nanoSAT™** maintains a single, coordinated communications system between leadership and key personnel.
- RIVA Networks is an MVNO, with Network Operations Centers connected to the Global Roaming Alliance. RIVA Networks can complete calls and route traffic from anywhere, directly to your commercial phone number.



Encryption
Secure Networks
Information Assurance
Homeland Security

Secure Voice & Data

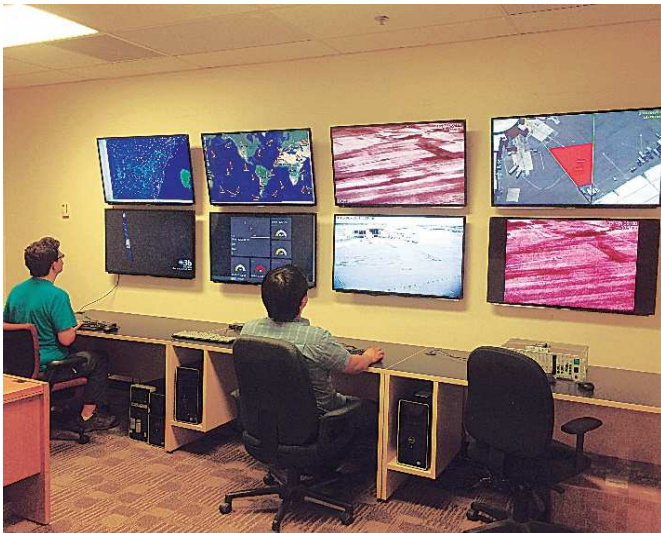
Biometric Authentication

(732) 940-5555

www.riva-networks.com

nanoSAT™

Mobile Phone Networks



RIVA's Network and Security Operations Center (NSOC)

- Works independently without relying on public telephone networks, public mobile phone networks or the Internet.
- Works indoors: combine the convenience of cell phones, with the global reach of satellite networks.
- Global Roaming: **nanoSAT™** systems enable inbound and outbound calls from any public network, using your mobile phone number.
- One phone number on land, at sea, in the air or underground.

- Useful search and rescue efforts in disasters, remote areas, mines and tunnels.
- Useful for remote security surveillance and sensor backhaul.
- Fail safe phone system that can operate on battery, wind or solar.
- The **nanoSAT™** system's low cost of ownership enables a quick ROI and pays for itself with increased productivity.
- **nanoSAT™** systems can include SMS text messaging, GPRS, EDGE, 3G and 4G LTE wireless data capability.
- **nanoSAT™** sites can transmit over "leaky" cable Distributed Antenna Systems (DAS) inside buildings, ships, subways or mines.



nanoSAT™ remote cell sites



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