## Communications
## Solutions
### for Public Utilities
### & Energy Companies

# Connectivity That Empowers Utilities

ELECTRICITY, OIL, GAS, WATER.

SECURELY MONITORING AND

MAINTAINING THE FLOW OF THESE

VITAL RESOURCES IS MORE CRUCIAL

AND CHALLENGING THAN EVER.

THAT'S WHY SAGENET PROVIDES

SURE, SECURE COMMUNICATIONS, NO

MATTER WHERE, NO MATTER WHEN...

NO MATTER WHAT.™

**Sagenet**

*Connectivity that Empowers*

**Tulsa | Washington, D.C. | Atlanta | Philadelphia**

**866.480.2263 | www.sagenet.com**

**Sagenet**

*Connectivity that Empowers*

# Communications Solutions

for Public Utilities
and Energy Companies

### SCADA and Beyond

While the digital world grabs headlines, the real-world remains dependent on the tangible utilities that are fundamental to our comfort, and to our very survival. Whether its power, oil, natural gas or water, the journey from source to consumer may cross thousands of miles of often remote and isolated territory. A failure anywhere along the way can affect tens of thousands of people.

The key to preventing avoidable disruptions and recovering and restoring services when the unavoidable happens, is real-time monitoring throughout the system.

SageNet provides proven Wide Area Network (WAN) solutions for some of the nation's leading utilities. Our electric, oil, gas and water utilities solutions include:
- SCADA applications
- Smart grid applications
- Substation automation/distribution automation
- Advanced metering infrastructure
- Video surveillance
- Voice over IP

### Technology-Neutral Approach

SageNet determines the most reliable and cost-effective solutions for each site, whether it's VSAT, BGAN, or terrestrial solutions such as Cable, DSL, T1 or 3G/4G. We offer MPLS services, built-in redundancy for high availability, quick deployment times, fast data transmission and fast response times with real-time control. And best of all, the entire network can be managed from one location for complete simplicity.

For more information on SageNet communications
solutions, visit www.sagenet.com or call 866.480.2263.

# Spacenet Satellite Services™

### Products

SageNet's Spacenet Satellite Services™ offer a wide range of satellite equipment options that meet the varying operational requirements of the utilities and energy industries, including fixed and transportable antennas, and field-proven and advanced VSAT and BGAN technology platforms.

- **SkyEdge® II** manages satellite bandwidth using advanced algorithms and access schemes to lower Total Cost of Ownership (TCO). Supporting star, mesh and multi-star configurations, SkyEdge II's powerful Quality of Service (QoS) management ensures each application gets the appropriate resources to perform as required. SkyEdge II also supports video surveillance.

- For isolated outdoor applications, the **SageNet Armadillo™** is an integrated, weatherproof VSAT that features a low power draw, internal heating and thermostat, lightning protection, and sealed cable entrance.

- **BGAN** fixed, portable, and Comms-on-the-move solutions provide simultaneous voice and broadband data connectivity. Our integrated BGAN/Cellular M2M solutions offer flexible data communication cost-control to ensure the most cost-effective communication service for each location.

### Services

SageNet SCADA/M2M services, powered by **SkyEdge II** technology, provide an always-on, satellite-based private and secure IP network connection designed to support remote monitoring, SCADA applications, remote sensing equipment, and other transaction-based applications.

SageNet's Spacenet Satellite Services™ provide the flexibility to add toll-quality VoIP & Fax services, and Committed Information Rate (CIR) bandwidth to support any 3rd-party real-time applications. To ensure optimal performance for each site and every application, SCADA/M2M services are available in a variety of speed and throughput levels.

### Exemplary Customer Service & Support

From broadband provisioning and deployment to SLAs and billing services to network management and monitoring, SageNet offers the industry's most comprehensive suite of managed network services and support options. And every site and service is backed by a dedicated customer support team and network operations center that delivers expert assistance 24x7x365.

## Communications Confidence

### The SageNet Advantage

SageNet has the resources, bandwidth, and infrastructure to support some of the nation's largest utilities networks. Yet, SageNet's passionate commitment to customer care, ensures that each and every customer receives prompt, personalized and professional service.

SageNet recently helped a municipal electric company reduce costs while increasing uptime for more than a hundred substation and generation locations. With the SageNet solution, the utility realized:

- A jump in uptime from 93 percent with the legacy network to 99.99 percent

- Up to an 8 times increase in data transmission speed from substation to the Energy Control Center (ECC)

- Data transmissions every 15 seconds instead of every five minutes, enabling more accurate planning of power requirements

- And a reduction in new remote site deployment times from two months to less than two weeks