

COMMUNICATION NETWORKS - BACKBONE OF THE MODERN ENERGY INFRASTRUCTURE

Today, there is a critical need to modernize and build a “better” energy infrastructure. The backbone of this infrastructure is the communication network – as digital systems provide the real-time and two-way communications essential for all “smart” initiatives.

Arcadian Networks delivers private and secure, wireless broadband communication systems – exclusively, to the energy sector. Utilities, oil and gas companies, and renewable energy providers, all operate mission critical assets – assets that need to be: secure, reliable and efficient.

Our IP converged communication platforms provide the 24/7 monitoring and control, the interoperability, and the broadband throughput, required by the energy sector.

OUR “END-TO-END” NETWORKING SERVICES

Based on the scope of your project, Arcadian Networks offers “end-to-end” networking services (in contrast to telecom carriers and equipment vendors) to create the optimal communication system:

- **RF design**

Our expertise in licensed wireless solutions ensures that your network is designed to accommodate specific functional and geographic requirements

- **Infrastructure**

We consolidate your existing infrastructure into a single ubiquitous network which can handle current and future growth. The ubiquitous network eliminates the need to support numerous devices with numerous networks

- **Networking**

High speed, broadband connectivity to remote areas

- **Network Operations Center (NOC)**

For 24/7 monitoring

BROADBAND COMMUNICATIONS ENABLE “SMART” SOLUTIONS

In response to the challenges of the 21st century, the Department of Energy (DOE), together with the energy sector, is focused on the implementation of “smart” initiatives. Among the “smart” solutions provided by Arcadian Networks are:

- **Security**

Protection (from physical or cyber attacks) is of vital importance for the mission critical assets of energy companies. Arcadian’s platforms are based on the latest security standards and our network’s are customized for alignment with client NERC CIP requirements. Your data is encrypted, private and secure.

- **Operating efficiencies**

Our broadband connectivity ensures that your critical information (voice and data) is delivered real-time, at high speeds – to and from the most remote areas. This ensures the optimization of your fixed and mobile assets while minimizing your operational costs.

- **Interoperability**

A “smart” network is based upon the interoperability of all its components and systems. Arcadian Networks creates a secure single infrastructure – capable of seamlessly linking multiple systems, equipment from multiple vendors, and multiple applications.

To schedule a complimentary custom engineering feasibility study, please call us at: **914.579.6300** or visit us at: **www.arcadiannetworks.com**



ADVANTAGES OF PRIVATE LICENSED BROADBAND

The assets (equipment and field force) of energy companies require a reliable network to support the substantial movement of fixed and mobile data. The reliability of Arcadian Networks' broadband systems is secured by 700 MHz licensed spectrum. The advantages include:

- **700 MHz spectrum**
 - » Greater propagation characteristics
 - lower cost build-outs
 - » Private - all data is secure
 - » Licensed - no interference - assurance no other entity imposes on the network
- **Broadband advantages**
 - » Critical data delivered at higher speeds from remote areas
 - » Mobile or fixed...data or voice



The **SMART** Network Choice™

www.arcadiannetworks.com