

About Arcadian Networks

Arcadian Networks is a new broadband wireless carrier that specializes in wireless communications for rural utilities and industries. Licensed on 700 MHz spectrum, the company offers customizable end-to-end communications solutions for enterprises looking to capture data from the field and to manage assets remotely. The service is currently available in 23 states.

The Arcadian Networks solution creates a private digital network that allows network participants to collect and monitor data from distant locations in real-time. In the electrical utility market, for example, Arcadian's network enables new "smart grid" applications such as two-way communications, distributed generation, network topology, remote equipment monitoring and self-sensors. With a "smart grid" network, electric utilities can shave their peak load, or better manage the demand for electricity during peak periods, potentially saving millions of dollars.

Arcadian Networks offers a number of operational capabilities via its turnkey broadband wireless IP network. The company claims their approach reduces costs and increases productivity through real-time monitoring, control of operations, field services and management applications. Applications include:

remote SCADA monitoring, VOIP; video surveillance; improved maintenance repair and overhaul, Email, and other business applications.

The 700MHz spectrum provides Arcadian 20+ miles of radial coverage and T1 levels of broadband coverage. The reach, control and security of their proprietary 700MHz Network provides Arcadian Networks the ability to service very large areas at relatively low deployment and maintenance costs. Inexpensive infrastructure is the key to Arcadian's business plan to target rural enterprises.

[Rural industries] are just a huge underserved market," says Gil Perez, Arcadian Networks CEO. "Almost 65 percent of America is rural, and the people and businesses that operate in this part of the country are as sophisticated and dependent on advanced technology as urban and coast-line areas of the country. Unfortunately, rural businesses either have a choice of zero or one [broadband telecommunications provider]. Our biggest opportunity areas are with the companies that are referred to as our nation's critical infrastructure, which includes electric utilities, oil and gas, mining, forestry, transportation, environmental and federal, state and municipal first-responders." Visit Arcadian at <http://www.arcadiannetworks.com/>

20th Century Grid	21st Century Smart Grid
<ul style="list-style-type: none"> Electromechanical One-way communications (if any) Radial topology Few sensors "Blind" Manual restoration Prone to failures and blackouts Check equipment manually Emergency decisions by committee and phone Limited control Limited price information Few customer choices 	<ul style="list-style-type: none"> Digital Two-way communications Network topology Monitors and sensors throughout Self-monitoring Semi-automated restoration and, eventually, self-healing Adaptive protection and islanding Monitor equipment remotely Decision support systems, predictive reliability Pervasive control systems Full price information Many customer choices

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