



Energy Applications

AirLink[®] Raven XT Intelligent Gateway



POWERED BY: 

Cellular Connectivity for Energy Management and Distribution

The Raven XT is a compact, rugged device with a serial port, that serves as an intelligent connection between the enterprise and field equipment. It's an ideal solution for any remote monitoring, SCADA and automation applications that require a secure, reliable cellular connection.



RELIABLE AND WIDELY AVAILABLE CONNECTIVITY

Energy management and distribution applications are mission critical for both providers and customers. The Raven XT, powered by ALEOS™ intelligence, maintains an always aware connection for remote field equipment. Available in both GPRS and EVDO Rev A, the Raven XT can provide a cellular connection in almost any location.

LEGACY PROTOCOLS

The Raven XT is powered by ALEOS, an embedded intelligence engine that has evolved over 15 years of deployments in real world applications. ALEOS is embedded with numerous machine protocols (Allan Bradley, Bristol Babcock, ModBus, DNP3, etc), enabling the Raven XT to be seamlessly integrated and communicate with legacy equipment. A serial connector and a myriad of embedded protocols, enable customers to integrate a cellular connection without the added expense of replacing existing capital infrastructure.



SIMPLIFIED SOLUTIONS

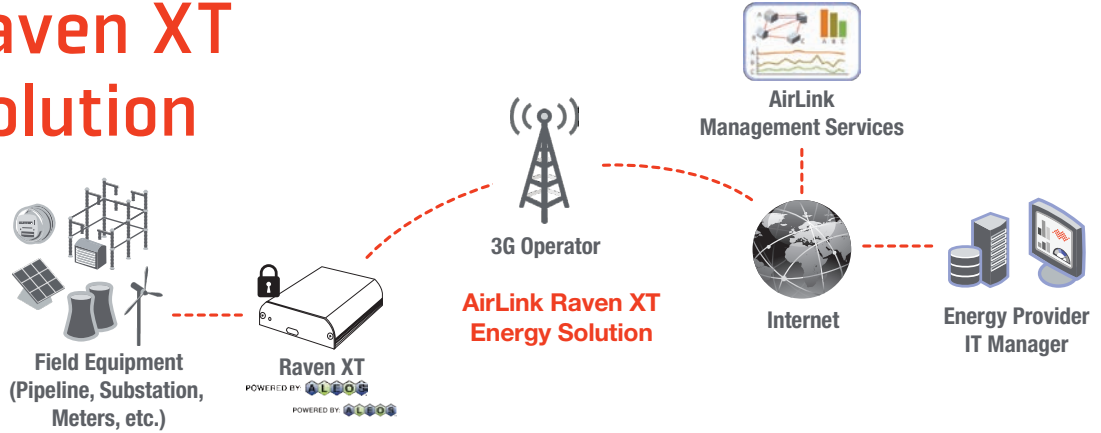
Choosing, deploying and managing a cellular gateway solution can be a complex task for any organization. By working with one of our experienced value added resellers (VARs) or energy solutions partners, customers can select the cellular solution that's right for them and integrate it with their existing equipment. By leveraging our community of reseller and solutions partners customers can solve nearly any business problem.

REMOTE MANAGEMENT

When deploying a wireless data solution in remote field locations, having the ability to manage the cellular gateways is invaluable. Remote device configuration and management minimizes costly trips by field technicians to remote locations to configure or troubleshoot a device. By leveraging the AirLink suite of device management software, customers can perform device maintenance, monitor overall performance and diagnose system and network issues for their entire deployment from anywhere with an internet connection. Minimizing field service trips drastically decreases total cost of ownership and results in a quicker Return on Investment.



AirLink Raven XT Energy Solution



SCENARIO: ELECTRICITY DISTRIBUTION CUSTOMER

- Regional provider of electric power
Sample customers: Duquesne Light, CIPCO, Progress Energy.

SOLUTION

- Raven XT integrated with SCADA system and 3rd party energy management application

SCENARIO: RENEWABLE ENERGY PRODUCTION CUSTOMER

- Regional provider of electric power
Sample customers: RES, Solaire Direct, Lower Colorado River Authority

SOLUTION

- Raven XT integrated with windmills, solar panel farms or hydroelectric stations to monitor power generation and distribution

BENEFITS

- Independent: Cellular solution, not reliant on landlines
- Rugged: Extruded aluminum case, wide temperature range and Class 1 Div 2 certification
- Simple Integration: Library of machine protocols enable integration with existing capital infrastructure
- Lowest cost of ownership: Comprehensive remote management minimizes field service visits

SCENARIO: PIPELINE MONITORING CUSTOMER

- Natural gas provider managing thousands of miles of pipeline
Sample customers: OK Natural Gas, Norse Pipeline, TransGas.

SOLUTION

- Raven XT connected to gas flow measurement stations along pipeline; transmits pressure and flow readings

SCENARIO: WATER MANAGEMENT CUSTOMER

- Water irrigation parks and water standpipes

SOLUTION

- Raven XT integrated with irrigation systems to remotely monitor water needs and usage



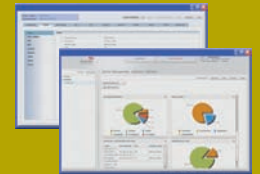
RUGGED INTELLIGENCE

ALEOS™ embedded intelligence powers AirLink devices and supports 24/7 always-on persistent connectivity, secure real-time, two-way data exchange.



REMOTE MANAGEMENT

The AirLink suite of management tools enables remote configuration, administration, and control deployments of any size.



Together, ALEOS and AirLink tools enable customers to extend their enterprise by managing deployments from anywhere with Internet connection.



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