ATLAS™ - Changing the status quo

Recently, there have been multiple news reports of systemic failures at a major city of their public safety communications system. This is not the first time a mission critical public safety infrastructure has experienced failures and it will not be the last. The events of the recent past are an important reminder of the need to build reliable and resilient radio network communications backed by robust equipment, well defined coverage plans, maintenance and operational policies.

Designing Smarter Solutions

It is extremely important to identify architectures that can be resilient to one or multiple failures in the system including failures caused by equipment malfunction or natural and man-made disasters. The EFJohnson ATLAS systems solution architecture is one such innovative approach to addressing network resilience across a wide area network.

Resilient to Multiple Points of Failure

Unique to EFJohnson, the ATLAS P25 system uses a patented distributed architecture, which means every site is capable of controlling the entire network, thus eliminating any single point of failure. With true Internet Protocol (IP) based design, re-routing due to disruptions is automatic and instantaneous, significantly limiting any impact to the responders using the network. Multiple disruptions can occur with little or no impact to the system. The ATLAS P25 system is designed to keep working when disaster strikes – the moment responders need it the most.

Expandable Cost-Efficient Deployment

The distributed architecture eliminates the need for centralized and expensive master network controllers employed by other P25 system providers. Eliminating the upfront cost of the master network controllers allows ATLAS customers the ability to start deployment of a smaller system and provides the flexibility to grow the system as needs change and budgeting allows. Expansion is simple – ATLAS easily allows adding additional channels or additional sites. Operational impact is limited as more channels or sites are deployed.

A Smarter Way to Simulcast

With the ATLAS system, a Simulcast Manager is integrated into every repeater, which significantly increases redundancy and channel uptime. The automatic discovery, tuning, and network delay compensation in the ATLAS simulcast system results in quicker system deployment and reduced on-going manual tuning. This results in a highly reliable, low-touch system that simplifies network maintenance for system administrators and increases the communications reliability to responders so they can focus on their primary objective: public safety.

Through a Smarter Way to P25, using an innovative system design, the ATLAS P25 system solution provides unmatched reliability, expandability and the lowest total cost of ownership available. EFJohnson is committed to exceeding your expectations and providing you with the most advanced public safety communication system that delivers the reliability, flexibility, and expandability to meet your needs today and tomorrow.

EFJohnson is eager to share our Smarter way to P25 systems and infrastructure design. A detailed white paper on the benefits of distributed architectures and how it can help public safety agencies build more robust communications networks is available at http://www.efjohnson.com/support/white_papers

Please contact your local EFJohnson sales representative or EFJohnson dealer to find out how you can build a cost effective expandable, resilient public safety communications infrastructure and avoid costly and disastrous failures.