WIRELESS NETWORK UPGRADES

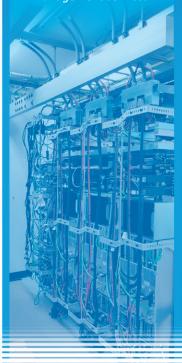## ALTAIRIS EXPERTISE APPLIED IN THE SYSTEMS ENVIRONMENT

Altairis Technology Partners focuses on challenges related to upgrades of wireless communications technologies.

We cover the full spectrum of the technology lifecycle, from conducting initial assessments, architecting system designs, performing cost analysis, facilitating sourcing processes, managing implementations, to providing post-implementation system management services.

Today's updates for mission critical systems are complex and fraught with potential for failures and unexpected outcomes. Avoiding system outages and loss of functionality during and after the update must be the utmost priority.

Altairis Technology Partners specializes in system lifecycle management of wireless networks. Our team members are seasoned industry experts, most with 20+ years of knowledge and experience. We are known for our exacting attention to detail, with the depth and breadth of resources our clients seek. We are proud of our vendor independence and our ability to foster long-term partnerships with each of our clients. We are large enough to deliver and small enough to care.

Rationale

For the current generation of wireless networks, periodic updates (typically software bug fixes) and upgrades (typically new software releases and hardware replacement) are critical for system reliability, maintainability, and performance improvements.

However, what used to be a rare and simple replacement of specific hardware or a straightforward software update is now required every few years and has become a complex process requiring comprehensive planning, timely execution and thorough testing covering multiple wireline and wireless technologies. Unfortunately, some of our clients have found their vendors to trivialize this process, akin to updating the operating system on a personal computer.

Effective oversight of the system update process is an absolute necessity. The companies and teams responsible for the core and various subsystems are often disjointed — the core system is managed by the main vendor's team, while the critical ancillary systems and devices are or often assumed to be handled by separate teams or entirely missed.

The impacts of this new approach are critical to understand and easily overlooked. Altairis Technology Partners can manage the complete project or complement the client's existing team to ensure an efficient and successful project.

In one of upgrade projects, our engineers identified over $1M of obsoleted equipment that was missed by the vendor. Our discovery of that error ensured that the system remained fully supported, extended the system's lifecycle, and avoided an unnecessary and disruptive later remediation.

Scope

Altairis will evaluate your network and assess the software and hardware update or upgrade needs with your organization's goals in mind. The resulting requirements will depend on the expected longevity of the system, functionality, availability of funds and other factors specific to your organization. We will then work with all the vendors involved in the project to ensure that the proposed hardware and software is mutually compatible and performs as required. If necessary, we will help you with the implementation and cutover plan. We can also manage and supervise the implementation and thorough testing of the system update.

ALTAIRIS
TECHNOLOGY PARTNERS

CAPABILITIES FOR NETWORK UPGRADES

We bring hundreds of years of combined experience to address your wireless network's challenges.

Whether you need a new wireless network or just help with making your existing network meet your current needs, we are here to help you.

SCOPE
- Upgrade Planning
- Upgrade Implementation
- Post Upgrade Support

UPGRADE PLANNING
- Review of Contractual Documentation
- Review of the Upgrade Features
- Review of Upgrade Schedule & Impact
- Review of Upgrade Equipment List
- Develop Upgrade Testing Plans
- System Database Upgrade Review
- Identify Upgrade Training Plans

UPGRADE IMPLEMENTATION
- Upgrade Onsite Support
- Client's Technical Point of Contact
- Upgrade Schedule Management
- Issue Escalations & Communications

POST UPGRADE SUPPORT
- Post Upgrade Testing
- Post Upgrade Audit
- Punch List Resolution
- System Documentation

TECHNOLOGIES
- Wireless & Wireline Telephony Systems
- Microwave/Wireless Backhaul Networks
- Mobile Data Systems
- Satellite Communication
- BDA/DAS/Neutral Host Systems
- Security Systems
- CAD Systems
- 9-1-1
- Network Monitoring

WIRELESS TECHNOLOGIES
- APCO Project 25
- Digital & Analog
- Trunked & Conventional
- Simulcast & Multicast
- LTE (4G) & 5G
- Proprietary & Legacy Wireless Technologies