Overview

Curvature provides life cycle services to design, survey, install, commission, maintain and manage your wireless solutions. Our team of experienced project managers and engineers will collaborate with your stakeholders to build a turn-key solution based on your requirements.

Customer Challenges

Whether you are in a business or technical role, below are some common pain points we solve.

Customer Need | Pain Point	Business	Technical
Poor wireless performance	✓	✓
Implementations and upgrades	✓	✓
BYOD sprawl		✓
Increasing bandwidth expectations	✓	✓
Increasing use of portable data capture devices in warehouse and manufacturing environments		✓
Wireless location positioning requirements		✓
Improved security requirements, rogue wireless devices to WIPS (Wireless Intrusion Protection Systems)	✓	✓
Corporate to Hotel guest wireless solutions	✓	✓

Business Benefits

Engineering excellence: Our engineers are well-versed in complex wireless deployments.

Proven track record: We have executed implementations consisting of hundreds of thousands of users across various terrains and facility types.

Holistic view: We take into account all infrastructure supporting WLAN deployments (LAN, security, guest, etc.).

Solution Components

Service	Key Features
Site Survey	Our specialized service analyzes your environment (and the details of existing deployments) in order to address and overcome issues that are interfering with coverage. Based on survey results, the team can optimize access point positioning and configuration for new or upgraded deployments.
Design	A network engineer will review the existing WLAN infrastructure, and provide design recommendations based on industry best practices. The scope can include wireless access points, wireless LAN controllers, switches, structured cabling, and other devices as needed for a comprehensive wireless network. Your design will include optimized wireless coverage, data rates, device capacity, roaming capability, and quality of service.
Implementation	Many companies tasked with implementing a wireless network become frustrated while finding the required vendors and managing the complexities. Our project managers, engineers, and trusted partners handle all aspects of the installation and deployment, freeing up valuable resources.

Differentiation

- Global experience in retail, healthcare, industrial, manufacturing, and corporate implementations
- Being vendor agnostic means we can build best-of-breed solutions from multiple brands
- Globally available engineering team
- Project management of all complexities
- Leverage our in-house team of CCIE-certified engineers to design back-end wireless network configuration and security
- A suite of add-on IT services that allow for additional cost savings, proactive planning, and enhanced decision-making

FAQs

Questions	Answers
What types of facilities are in scope?	We perform surveys in all types of facilities, including but not limited to: Hotels | Hospitals | Offices | Warehouses | Manufacturing Facilities
What Survey tools does Curvature use?	We use two of the market leading survey tools, Ekahau and NetScout AirMagnet Pro. Depending on customer preference, we will use whichever tool you prefer.
What types of wireless surveys can Curvature perform?	**Passive** – This survey tool listens to WLAN traffic to detect access points, and to measure signal strength and noise levels. **Active** – This survey tool will associate to the access points and measure round-trip time, throughput rates, packet loss, and retransmissions. Active surveys are used to troubleshoot wifi networks or verify performance post-deployment. **Predictive** – A model of the RF environment is created. This model takes into account the construction of the facility, and enables the engineer to optimize the access point location, and configuration.
Can Curvature deploy my access points?	**Yes**. We can provide turn-key installation including cabling to the WAP location. We can install the WAP and ensure it is alive and connected to your controllers. After installation, we can commission the system to ensure end-to-end operation.
Can Curvature provide a full wireless solution connected to my LAN?	**Yes**. We are fully versed in engineering wireless solutions. From high-level design to delivery of a working, functional, secure wireless solution.