Technology Systems Equipment Update

Modernizing Our Technology Infrastructure

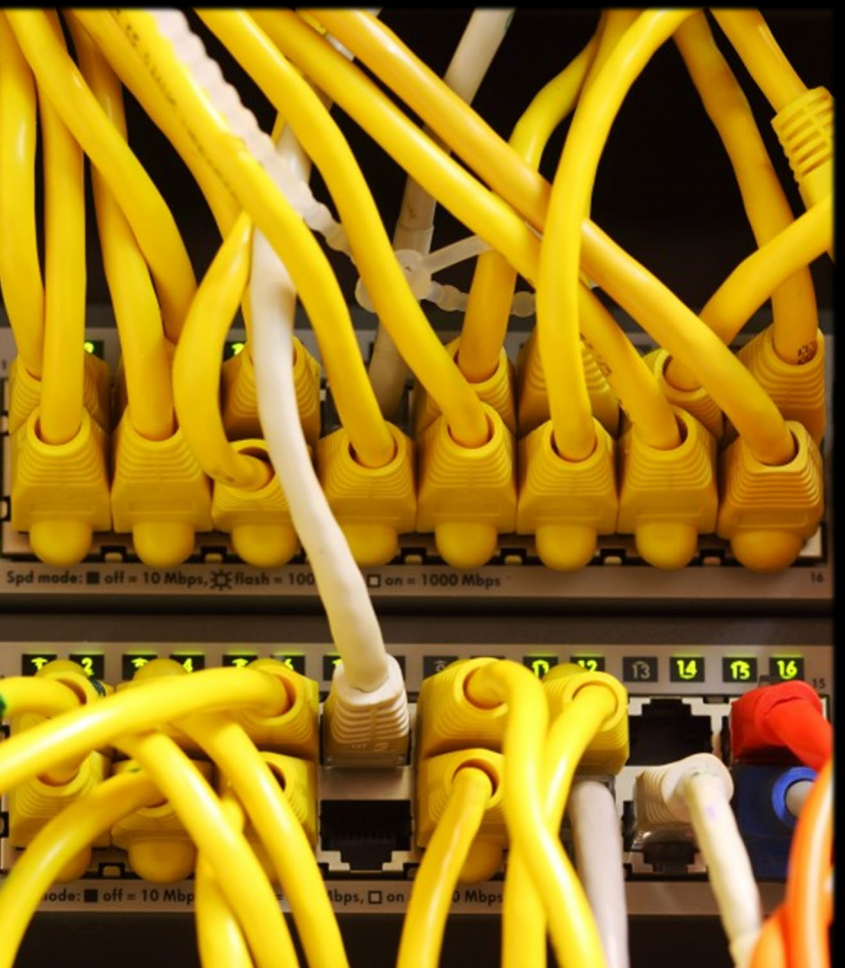
Projects

- Wireless Access Points
- Wired Network
- Cabling Infrastructure
- Phones
- Paging
- Cameras

Wireless Access Points

- 8th Year of Service
- First Generation 5Ghz
- Many at or over Capacity
- Struggle to support video
- Updates Overwhelm Capacity

Wired Network (Switches)



- 8-20 Years of Service
- End of Life
- Lacks Management
- Will NOT Support New Wireless Access Points

Cabling Infrastructure

- Older Cable Replacement to Support Higher Speeds
- Cabinets Need to be Replaced
- Need Additional Network Ports

Phones

- 23 Years Old
- New Phones Not Available
- System at Capacity

Paging

- Critical to Site Safety
- Very Old Systems
- Limited Capabilities
- Low Sound Quality

Cameras

- Limited Coverage
- Outdated Management Platform
- System at Capacity

Goals

S M A R T
Specific
Measurable
Attainable
Relevant
Time Based

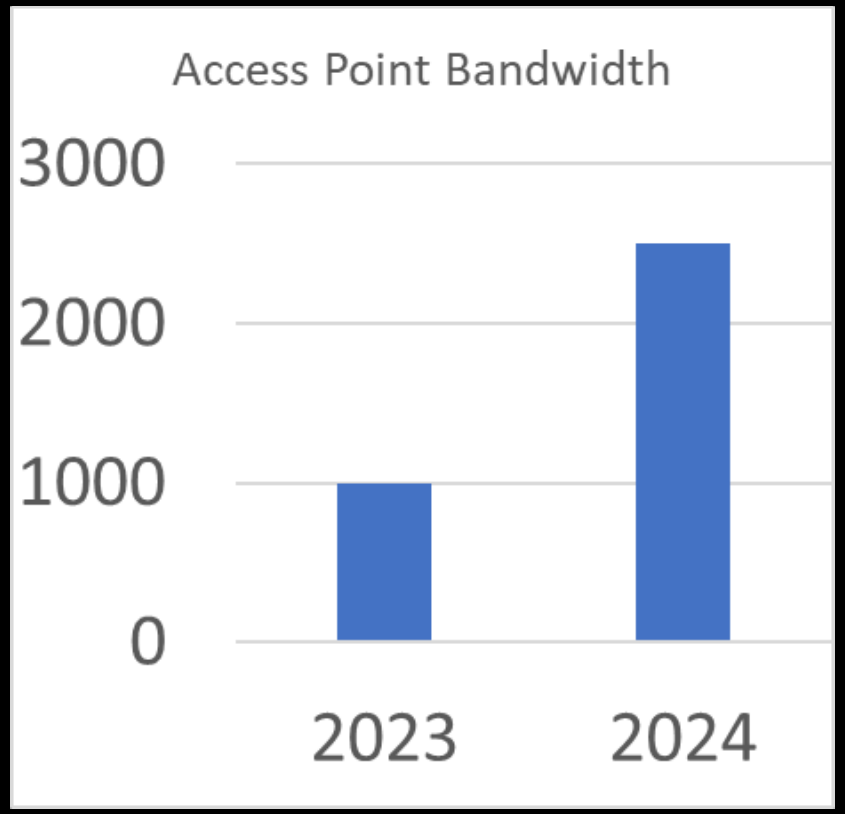
Overarching Goals

- One Management Platform
- Operational Efficiency

Wireless Access Points

- On3 Vendor for Both Wireless and Wired Networks
- Highest Utilization at 50%

Wired Network



- One Vendor for Both Wired and Wireless
- Double Bandwidth to Wireless Access Points

Cabling Infrastructure

- Support New Switches
- Support 2.5 Gbps to Wireless Access Points
- Provided Needed Ports

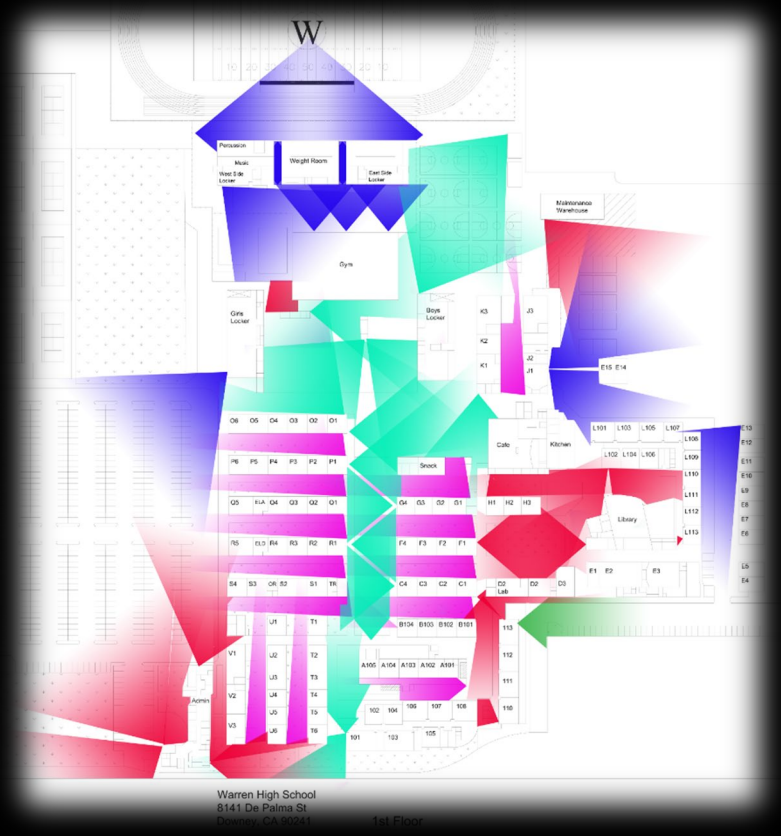
Phones

- 99.99% Uptime
- Reduce Support Time 50%
- Meet Regulatory Requirements

Paging

- Multi-Media Capabilities
- Flexibility
- Improved Sound

Cameras

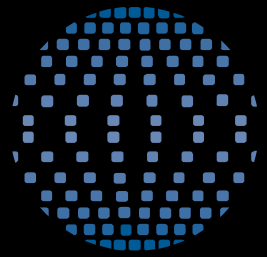


- Meet Requests of Site Administrators
- All Paths of Travel
- Access to Cameras From any Device
- Ability to Provide Access to Police and Fire

The Process

The Solution

Meraki



AMS.NET

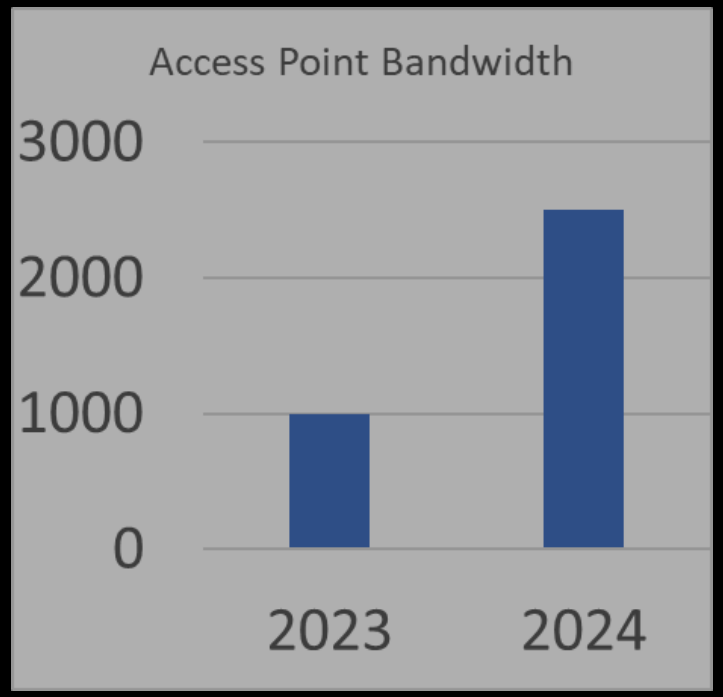
Technology Solution Provider

InformaCast®

Wireless Access Points

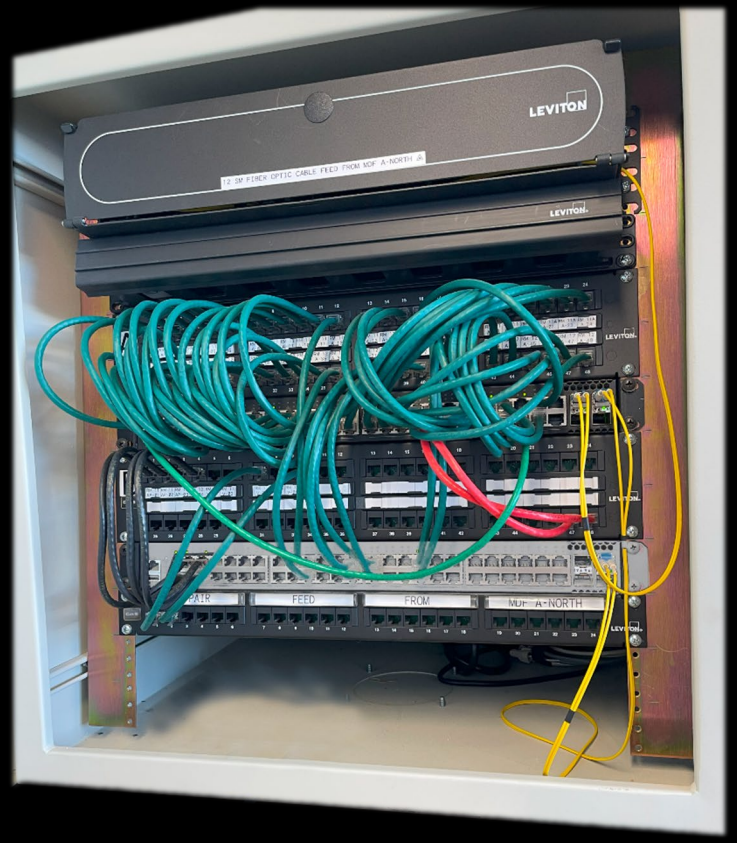
- Cisco 9166I Access Points
- WiFi 6E Doubles Capacity in Classrooms
- Unified Cisco Meraki Dashboard

Wired Network



- Meraki MS355 Switches
- Unified Cisco Meraki Dashboard
- Multi-Gig Support for 2.5 Gbps – 2.5x performance

Cabling Infrastructure



- 30-Inch-Deep Cabinets
- Category 6 Network Cable
- Additional Ports as Needed

Phones

- Cisco WebEx Suite
- Industry Leading Uptime
- Unified Management Platform Simplifies Setup and Support
- Meets Regulatory Easily

Paging

- Cisco Partner Singlewire Informacast with AND Speakers
- Informacast Integrates with Management Platform
- Full Color Screens with Speakers
- Improved Sound
- Integration with Classroom Audio

Cameras

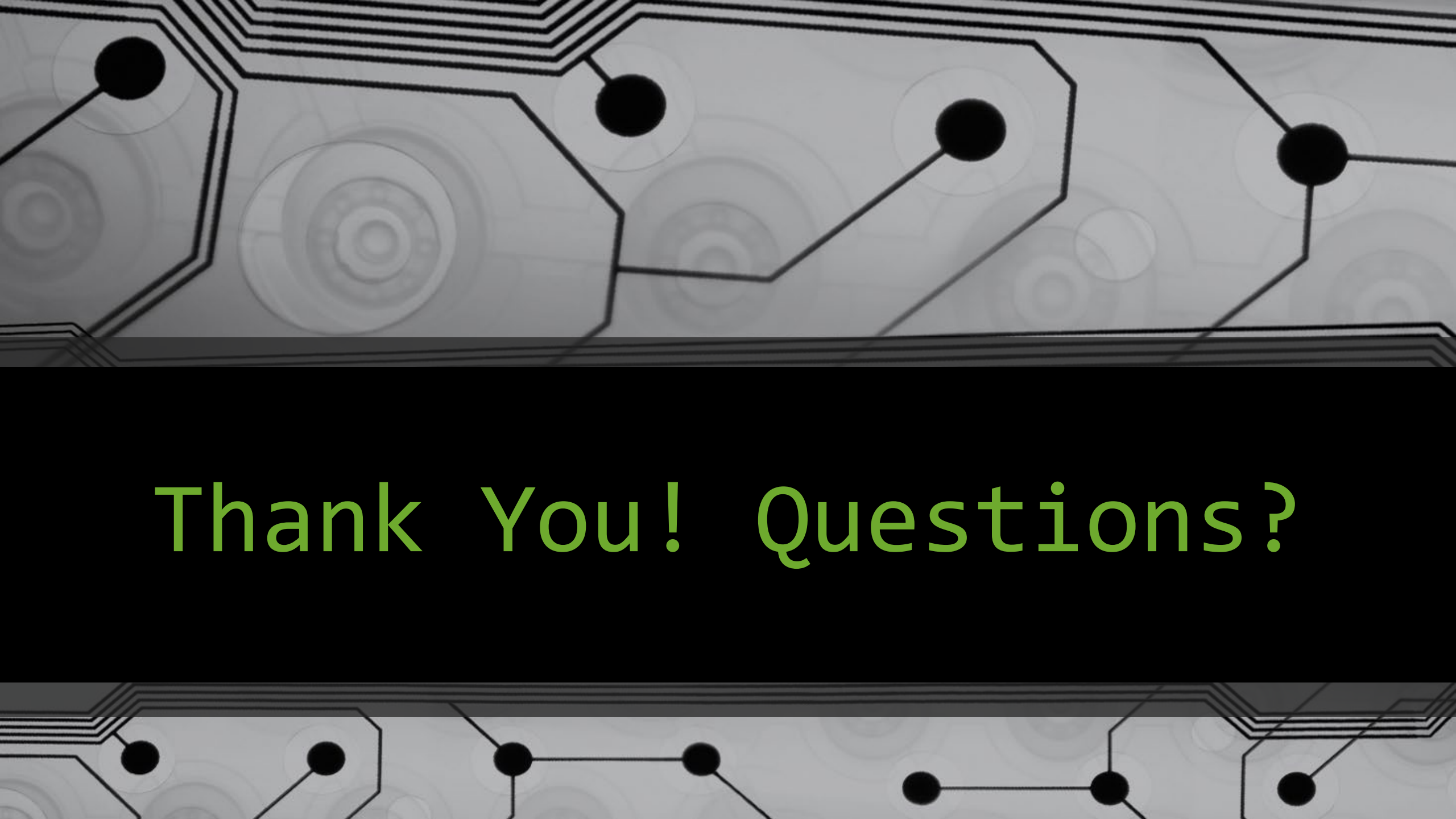
- Cisco Meraki Cameras
- Unified Cisco Meraki Dashboard
- Coverage of All Paths of Travel meets Administrators Requests
- Access to Cameras From any Device – Computer / Phone / tablet and Police and Fire

Project Timeline Estimate

- 18 – 24 Months
  - Phones
  - Cameras
  - Cabling Infrastructure
  - Wired and Wireless Network
  - Paging

Project Costs

- $28,064,096.95
- Cisco Zero Cost Financing
  - 4 Years


Thank You! Questions?