



Babylon UFSD

Customer Story

DynTek Helps Babylon Union Free School District's IT Network Achieve High Honors

Customer Profile:

The Babylon Union Free School District is a thriving educational community with approximately 1,600 students and 150 faculty across three schools. Located in Long Island, NY, Babylon provides a rich diversity of recreational, social, and cultural opportunities. The Board of Education strives to maintain a comprehensive approach to satisfy the educational needs of the students of the district by meeting or exceeding the state's requirements.

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"I cannot express how grateful we are for what DynTek has helped Babylon accomplish over the past year. It is really amazing how quickly we were able to transform Babylon."

~ David Dileo

District Director of Technology & Accountability
Babylon Union Free School District

Challenge:

The Board has established seven priority areas as part of its "Forward Together" improvement blueprint. Achieving success in two of those areas – providing technically advanced schools and ensuring a safe school climate – required a full overhaul of the district's IT network.

As part of their technology plan, Babylon needed a district-wide WiFi network to optimize the use of tablets they had provided to students. Their security plan required installing security cameras throughout the grounds and buildings of the schools. Neither of these were possible with the existing, antiquated Alcatel network which was at end of life. Babylon engaged DynTek to help drive the implementation of the new network.

Solution

Working to complete the work over the summer to be ready for the fall schools' opening, DynTek installed a comprehensive new network in six weeks.

DynTek's six phase methodology consisted of discovery, initial walk through to determine scope, high level design, deployment to outline configuration details, analysis to capture configurations and patch panel discoveries, and testing to confirm connectivity after each cutover.

Results

"Over the past year, Babylon has gone through a massive technology overhaul of which DynTek has been an integral part," said David Dileo, District Director of Technology and Accountability. "We would not have been able to accomplish rebuilding our entire network in less than two months without the DynTek team."

With the new network in place, Babylon has made significant strides in meeting their goal of "expanding their infrastructure needed to support dedicated, high speed connections that provide better access to innovative digital technologies and teaching/learning opportunities in a technologically advanced world."

The Solution Included:

- Upgrading the existing 1GB backbone to 10GB
- Implementation of 4500X Cisco switches in VSS mode in each of the three buildings
- Implementation of Cisco ASA Firewalls
- Meraki Wireless Solutions in all three buildings and outside fields
- Dell EMC PowerEdge R630 Servers with Dell EMC VNX VSS 1600 storage for security camera content
- Cisco ISE implementation
- TACACS for authentication to routers and switches providing a single point of security management

