

# CUSTOMER STORY



## MOBILITY SOLUTION

### COMPANY

Since 1854, the YMCA of Greater Rochester has served the diverse needs of their community. They are fortunate to be part of an international organization that has been instrumental in developing, influencing, and providing human service programs since 1844. The support and guidance of their dedicated volunteers, as well as the heartfelt effort and commitment of their staff members, is what makes the difference at the Y. By drawing on their rich history, they help build a brighter future for their community.

### CHALLENGE

The YMCA of Greater Rochester was looking to upgrade its offerings to its 128,000 members by providing wireless connectivity to its exercise equipment for streaming content, member wireless, and secure wireless for its business networks. The YMCA is spread out over 12 locations. Each environment required a newly designed infrastructure to carry wireless and wired communications to their main location.

The core network needed to support the BYOD traffic of thousands of members simultaneously streaming music and video while the exercise equipment streamed Life Fitness data to each treadmill, exercise bike, elliptical, stepper, etc. All of this traffic would need to stay segmented from the business network to secure the YMCA's data. The requirements were to have 3 different networks, one network for member access, one for the fitness equipment, and one for the business data network.

ADKtechs was tasked with having to design a network to accommodate a high volume of traffic, while maintaining consistent performance and high availability for the 128,000+ members and employees that would be utilizing these resources.



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## SOLUTION

Prior to quoting the project, ADKtechs performed a thorough wireless network survey at each of the locations to properly size the wireless deployment to meet the needs of the customer. We also delivered a scope of services to guarantee the correct solution for the environment based off of our findings. The tools used in this assessment took into consideration the construction materials of each building and local interference from neighboring organizations in an urban area.

ADKtechs put together a Ruckus Wireless solution that consisted of 68 wireless access points being deployed to 12 locations and controlled through centralized Wireless LAN controllers. ADKtechs engineers also deployed a Cisco switching infrastructure that powered each Wireless Access Point over Ethernet (PoE). This reduced deployment costs and eliminated the need for a power outlet at each of these 68 AP locations to power an access point on the ceiling. Each switch was properly configured to segment the 3 networks to accommodate the needs of the business, the members and the exercise equipment vendor.

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## RESOLUTION

The ADKtechs staff was able to perform all of the configurations remotely and ship onsite. All sites were deployed by the YMCA staff with zero issues. On top of the Ruckus Wireless infrastructure, ADKtechs deployed the underlying Cisco network infrastructure with spot on accuracy and seamless implementation. ADKtechs was able to deliver a completed project 9.75 hours under the quoted budget and all go live dates were met.

The YMCA of Greater Rochester has made a major investment in the way it serves its members, its community and demanded excellence on this project. ADKtechs was able to meet these high expectations and deliver a solution of which both organizations are proud.



We make technology work for you



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