



given the hospital's long-term IT ambitions as well as adaptability as the network needed to be constructed using already existing protocols and standard networking devices". He adds that " given the nature of the devices used in the medical center, being very sensitive, there was a need for the solution to be robust as it would need to endure 24 hour-per-day, 7 days-a-weeks operation requirements.

The Customer : National Institute of Cardio Vascular Diseases

The National Institute of Cardiovascular Diseases (NICDV) has been the primary heart-care provider for Pakistanis for over 50 years. It was nationalized in 1979 by the Government of Pakistan and became an Autonomous Body under the Federal Ministry of Health.



Today, it plays a pivotal role in caring for patients with heart disease in Pakistan as it was the first tertiary cardiac care institute in South Asia as well as the flagship facility for cardiology in Pakistan with a focus on superior care for patients, education and training for medical professionals, and research and development in cardiology.

NICVD caters to the cardiovascular needs of a vast majority of patients from all provinces of Pakistan as well as Afghan refugees and patients from other neighboring countries. It is responsible for training the bulk of local cardiac physicians, nurses and paramedics throughout the country.

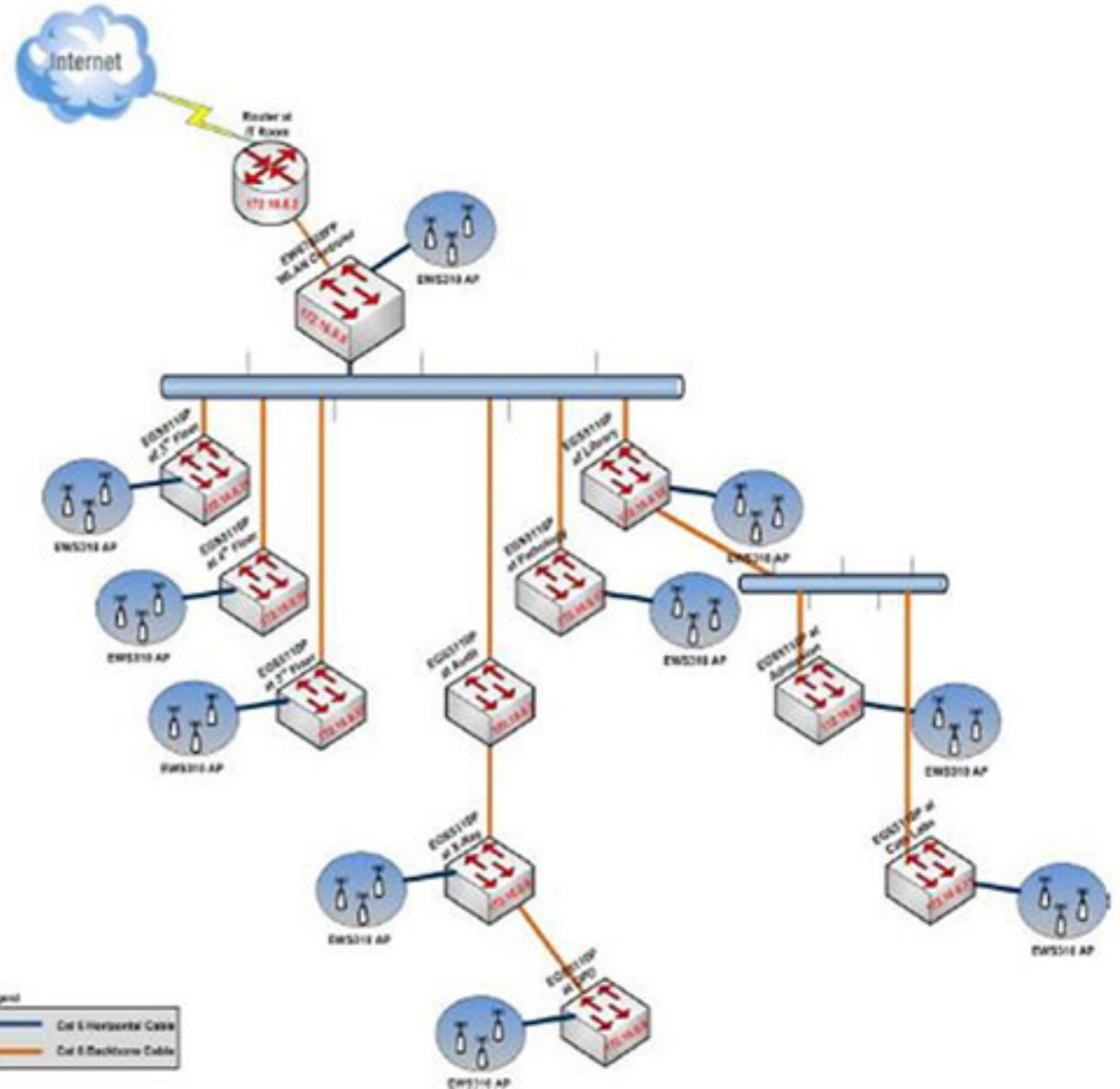
The Need : A Reliable, Manageable, Affordable Network

The aim behind the requirement was to give access of internet to the visitors and staff through WLAN networks across the medical center's premises. Siraj Ahmed Awan, Project Manager at Syscon Technologies, led the project. He noted that " deploying the network infrastructure represented a few challenges including the need for a scalable solution

The Solution : EnGenius Neutron Series Distributed Network Management Solution

Syscon Technologies surveyed, proposed, implemented and tested the Wi-Fi solution for NICVD. The deployment was conducted in three separate phases. Firstly, the installation of separate cabling infrastructure for APs and switches was conducted

In the second phase, the devices were deployed in a way to ensure the maximum coverage as the hospital is built across separate buildings. The last phase was testing and commissioning.



The Results : A Fully Network-Connected Medical Center

EnGenius Neutron Solution proved able to scale and support the medical center innovative application. It also provided the hospital with a secure multi-service WLAN infrastructure able to support a vast array of wireless devices, application types and service levels, with faster client performance, wire-like resilience and lower capital and operational costs.

The IT department was also able to manage the network from a central location and support up to 1,000 EnGenius APs using ezMaster.

The software also allows for embedded analytics and monitoring features in order to control the network in an easy and efficient manner.

Related Products



EWS310AP
Wireless-N 300Mbps+300Mbps EWS Managed Dual Concurrent AP



EWS360AP
Wireless N450+AC1300 EWS Managed Dual Concurrent Indoor AP

EWS7928FP
24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP