INDUSTRY LANDSCAPE

Growing demand for data services is driving the need for networks that can support bandwidth-intensive applications. Telecom operators need to transform their metro and backbone networks to keep pace with the growth in data traffic and to generate new value creation opportunities. Major challenges in accomplishing this transformation include the assurance of backward compatibility with existing services and the protection of existing investments in network equipment.

THE OPPORTUNITY

The client wanted to reliably and cost-effectively modernize their legacy Synchronous Digital Hierarchy (SDH) networks to support 3G services.

In order to achieve this goal, the client was seeking a partner to execute a swift and seamless deployment of an Ethernet over SDH (EoSDH) based 3G network.

CLIENT BACKGROUND

The client is a leading mobile network operator in the Kingdom of Saudi Arabia, offering voice, messaging, multimedia, call management and data services.

Wipro deployed an Ethernet over SDH based network for 3G services, overcoming stringent constraints on allowable downtime. The new network demonstrated a reliability of 99.995% and provided savings of $4 million (USD) from avoided equipment costs. Wipro allowed the client to get to market quicker, by halving the planned deployment time.
SOLUTION

Wipro performed the turnkey deployment of the next-generation SDH network, including network assessment, design, planning, integration, testing and rollout.

Wipro designed and implemented the network using the Cisco ONS series systems, seamlessly integrating the Cisco EoSDH stack with the client’s legacy SDH equipment.

In order to minimize the risk of faults during rollout, Wipro staged the network in a lab to rigorously test the new network configuration and resolve potential issues prior to implementation.

Wipro integrated the thoroughly tested solution stack with the client’s existing services. Wipro’s strong planning and testing capabilities combined with its expertise in Optical Transport and Ethernet technologies ensured that the integration and rollout were completed seamlessly with high levels of customer satisfaction.

BUSINESS IMPACT

• Faster Time-to-Market. A 50% reduction in expected implementation time owing to efficient planning, resulted in a faster market launch for 3G services.

• High Network Reliability. A reliability of 99.995% demonstrated by the new network configuration post rollout.

• Protection of Existing Investments. Savings of $4 million (USD) achieved by building the new solution stack on legacy SDH equipment, lowering the need for additional investments on equipment.

• Seamless Transition. Network rollout accomplished without service disruptions, through staging and thorough testing of the new configuration.

Winning in a Digital World

Wipro’s comprehensive suite of converged services and solutions addresses the entire digital value chain - from the network core to device applications. Our vertically aligned business model ensures that we understand the business and technology imperatives of specific industries, while our technology service lines allow us to architect integrated technology solutions. In an era of digital disruption, Wipro is uniquely positioned to partner with Telco-Media organizations to deliver the business and technology expertise that enables them to do business better.

About Wipro Technologies

Wipro Technologies, the global IT business of Wipro Limited (NYSE:WIT) is a leading Information Technology, Consulting and Outsourcing company, that delivers solutions to enable its clients do business better. Wipro Technologies delivers winning business outcomes through its deep industry experience and a 360 degree view of “Business through Technology” – helping clients create successful and adaptive businesses. A company recognized globally for its comprehensive portfolio of services, a practitioner’s approach to delivering innovation and an organization wide commitment to sustainability, Wipro Technologies has 135,000 employees and clients across 54 countries. For more information, please visit www.wipro.com

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