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Case Study: Network Support

A leading telecommunications product vendor required several network adapters to be built to interface with vendors and interface with various protocols

- **Client**
  Major Telecommunications Product Vendor

- **Industry**
  Telecommunications, Internet Service Provider

Service Offering
Network Technology Upgrade

The Problem
Our client's product contains a connection management component for use in the management of telecommunication service providers' next -generation networks. The connection manager is used for establishing end-to-end connections for end customers across large multi-protocol, multi-vendor networks. Each network interface results in the need for a separate Network Adapter to translate service requests to the interface language of that particular network device or management system. Their product required several Network Adapters to be built to interface with vendors' NMSs, EMSs, or NEs, which can communicate using various protocols including CLI, SNMP, CORBA, CMISE, TL1, etc.

Our Solution
Comrise developed the network configuration domain of our client's Adapter Toolkit, which provided capabilities and utilities to develop network adapters for new network elements and their EMS to fit into OSS solutions. Deliverables included requirement guidelines, equipment modeling, use cases, and example code for developing adapters to manage L1(SONET/SDH), L2 (ATM/Frame/xDSL), or L3 (IP/VPN) networks. We conducted weekly status review meetings with our client to manage the relationship, expectation, and issues.

Cost Savings and ROI

High-quality and timely delivery of all committed work items resulted in the on-time commercial release of the Toolkit v1.0 in February, 2003. Our client was able to offer service providers, equipment makers, and systems integrators a new option that could assist in saving time and money. The cost savings for our clients was $400K.

Technologies Used
L1(SONET/SDH), L2 (ATM/Frame/xDSL), L3 (IP/VPN) networks. Protocols: CLI, SNMP, CORBA, CMISE, TL1