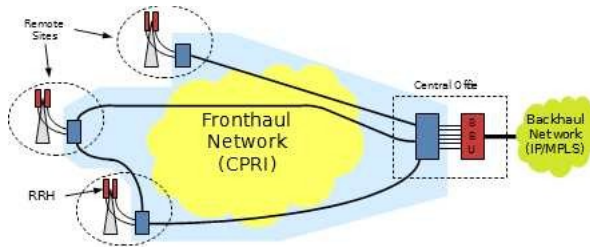


Customer

A global Tier 1 Telecom Network Equipment Manufacturer issued a design contract to a large global design and contract manufacturing house that resulted in a product that was unsatisfactory to the customer. That led the customer to come to AimValley quite late in the product cycle, to recover from the situation.



AimValley Solution

- > Application Software Development based on AimValley Software IP ([AimOS](#)), AimValley's assembly of hardened software blocks for packet based solutions.
- > Architecture, Development & Project Management.
- > Grassroots project: first release in less than 6 months.
- > AimValley provided a team of 6 embedded system software experts that completed the work.

Customer Objectives

- > Based on the hardware created by the initial design house, AimValley was contracted to develop the embedded software and device drivers for several hardware equipment types, including chip set configuration and optical layer monitoring of the [CPRI](#) links used in the Radio Access Network (RAN).
- > Goal was to present a single consistent and correlated view of a regional RAN network consisting of 100s of nodes.
- > AimValley was also tasked to add software to control and manage hundreds of network elements via a single central management gateway system.

Key Technologies

- > Mobile fronthaul based on [CPRI](#).
- > SNMP for network management.
- > Network Software Stack – [AimOS](#).
- > Distributed control and management system, involving 100s of nodes.
- > Efficient collection of optical link performance data from 1000s of optical links.

Results and Added Value

📍 Efficient

At least 20% faster time-to-market, thanks to AimValley having developed the building blocks of AimOS. 20% Cost reduction based on hours of development saved.

★ Successful

AimValley was able to help the customer to recover from the failed attempt by a previous design house. Solution widely deployed at leading global mobile network operators with high volumes. 7 Major releases → no issues. 100% On-time delivery.

🤝 Partnership

Development in close collaboration with multiple customer and partner teams, plus recovery from sub-optimal 3rd party designs.

📍 Innovation

Database handling/synchronization for multiple management interfaces and a scalable/centrally managed design.