Customer
Key player in the market delivering complex and diverse engineering solutions for defense, security and aerospace customers in over 100 countries.

Customer Objectives
> Software integration of an Ethernet switch in the next generation avionics system.
> Limited use case available, no clear feature content.
> Solution must work on frozen hardware design and existing Board Support Package (BSP).
> Aerospace grade solution: robust and no opportunity for upgrades or extension of features.
> Reporting and monitoring required.
> Time restricted delivery schedule.

AimValley Solution
The complete design makes use of the AimValley Network Software Stack – AimOS.
> AimOS-Ethernet based solution internal CPU.
> AimOS-Ethernet drivers ported to existing hardware and BSP.
> Late hardware provision by customer, use of Broadcom reference design boards.
> Introduced RoboOS improvements to AimOS Rob; improving robustness required for aerospace-grade solution.
> Integration and testing on customer hardware.

Key Technologies
> Broadcom© Switch Support
> Broadcom© Robo-OS
> AimOS-Ethernet
> Expert-Built Software

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.

Partnership
Development in close collaboration up to integration of product.

Innovation
Adapted standard solution to meet Aerospace-grade requirements. Adding monitoring functions to the smart managed software.

Delivering Solutions for a Connected World

AimValley

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