

## Contract Design and Consultancy Services

### Overview

The AimValley Group was founded in 2003 by professionals who worked together for many years in telecommunication system development, and have been responsible for the design of a number of successful products in this area.

AimSys and AimCom, the two main subsidiaries of the AimValley group, provide design and consultancy services, focused on the area of telecom networking technologies like SDH/SONET, Ethernet and xDSL. AimSys implements system level services such as product definition and architecture, software design, system test and hardware design and factory introduction. AimCom offers the design services for ASIC and FPGA components.

Our combined skill set represents all the important aspects required for the development of complete systems that meet the demanding requirements of the communications, industrial and medical markets.

We have extensive knowledge in a broad range of applications and systems:

- Multi-Service Networks: SDH/SONET, OTN, and carrier-class Ethernet
- Ethernet over Optical Networks
- Circuit emulation services: TDM over packet
- Access Systems (with emphasis on low cost): xDSL, ISDN NT, FTTH and PON

### Customer Benefits

*First time right* — our broad expertise avoids costly mistakes and helps you create a successful project.

*Reduce time to market* — we have developed an impressive portfolio of Intellectual Property items. By using these, we can drastically shorten your development cycle.

*Improve return on investment* — our project execution incorporates industry-leading implementation, budgeting and management tools. Recoup your investment faster and achieve a higher quality product.

*Focus on cost reduction and functional integration* — our focus on these critical attributes ensure you always have a competitive advantage.



*Quick responses* — we are based in the Netherlands. This provides a major advantage for System Development Houses located in Europe. Having the engineering team and the customer within travel distance allows for immediate support when it is requested.

*A strong team* — most of the employees have been working together in a team for more than 10 years, responsible for the development of complex products. The operational processes, working styles, quality systems and development tools have been in use for many years.

*Quality* — continuous improvement of our organization and the awareness of the team ensures that we meet the expectations of our customers, as well as the applicable law on environmental, health and safety. The AimValley subsidiaries are ISO9001-2000 certified.

*Product life cycle management and order cycle management* — AimSys partners with selected Electronic Manufacturing Services providers. When the development is completed, you order the product through us.

## Design and Consultancy services

The system engineering team provides network consultancy and defines products and components. Based on input from customers, standards and technology trends, new features or entire systems are defined and documented.

AimCom specializes in the design, implementation and verification of ASICs and FPGAs. The team uses state-of-the-art development tools that allow quick project turn-around of large devices of more than 10 million gate equivalents. The designs are implemented on leading platform FPGAs and their embedded soft CPUs, or developed as System-on-Chip ASIC solutions integrating many functions into a single device. AimCom has a strategic partnership with Fujitsu Microelectronics Europe.

AimSys' software team is responsible for the architecture and implementation of reliable software for carrier-class and real-time embedded systems. These systems encompass a wide range of components such as: operating systems, communication protocols, user and networking applications and interfaces towards remote management systems.

The software applications are implemented using state-of-the-art tools for development, host and in-system debugging and change management.

The system verification team carries out systematic black-box testing against system requirements. Automation tools are used for robustness testing.

AimSys' hardware team covers schematic entry and lay-out, mechanical and thermal design and regulatory compliance and CE certification. The hardware team has designed a range of high-density controller and payload switching cards, including backplanes and mechanical enclosures.



The team also takes care of design transfer to a manufacturer for mass production and uses the respective design rules and processes. AimSys builds implementations compliant with ROHS environmental requirements.

## Project proposal

Our services can be integrated at various points in your development process, for example:

- Network consultancy and system definition
- Design of hardware and software systems
- System test and certification
- Manufacturing via a partner EMS

Feel free to contact us for a tailored solution:

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**AimSys**  
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