Design Services

Having the right partner, makes the difference!

Successful Product Design is pivotal to the success of your organization!

Product development is a complex and time consuming process, requiring specific types of expertise and experience. Any failure or delay will result in costly product redesigns and missed revenue opportunities.

Your needs/Our expertise

- high bandwidth design up to 400G
- ultra low latency connectivity,
- Time Sensitive Networking (TSN)
- greenfield design of a new product,
- implementing new technology into products,
- developing a 'Broadcom-based' telecoms product,
- upgrade of existing product or data systems,
- go-to-market fast(er),
- meeting with tight deadlines,
- design for performance and harsh environments,
- extended temperatures,
- long lifetime for low product costs.

You need to meet the demanding requirements of your market!

AimValley understands the full complexities, as well as the subtle nuances of designing and building great connectivity solutions.

Our engineers excel in complex connectivity solutions in wire-line, wireless, Big Data, Healthcare, Transportation and IoT markets.

Our combined skills represent all important aspects required for the development of end-to-end systems.

AimValley delivers

- a trusted partner,
- highly experienced technicians,
- extensive expertise in communication technologies and protocols
- Best in Class support to achieve your goals,
- Best in Class designs – Time, Budget & Quality.

- Oustanding track record of on-time delivery.
- Best in Class Quality
- ISO9001 and ISO 14001, EcoVadis Platinum CSR

Delivering Solutions for a Connected World

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Our Expertise

Systems Engineering: if you only have a rough idea or high level feature list, AimValley supports you to define the system architecture and details the requirements to secure that our solution will support your business objectives.

Software: using state-of-the-art development tools, the team is geared up to engineer software for extremely reliable systems. Our team of 30 experts has experience in real-time embedded systems, low level drivers, operating interfaces and networking applications.
Re-usability of IP and proven developed switch experience, improves our development cycle and reduces costs considerably.

Electronics Design: the team covers the entire range of skills and expertise to realize electronic products. With experience in high-speed analog and digital circuits, back-plane design and environmental testing (EMC, temperature, shock & vibration, etc.). All our designs have a proven, negligible field return rate. AimValley designs enclosures for electronic systems. We translate functional system requirements into reproducible and cost-effective solutions that include demands for ergonomics, safety, EMI, regulatory requirements and robustness.

ASIC and FPGA: through partnership programs with major FPGA vendors, AimValley takes full advantage of technology and tooling, creating cost effective designs in both ASICs and FPGAs. Our team specializes in real-time processing and FPGA-Acceleration.

System Verification: seen from an end-user's perspective, meticulous attention is given to quality indicators as performance, reliability and stability.

Your Needs

Joint Development: achieving your goals requires you to constantly adapt to new technologies. Based on your requirements, we design solutions and ways to jointly implement them.

Tailor-Made Solutions: we collaborate with you to deliver the desired solution (complete product, or only part of the development).

Fast Track Development: taking advantage of re-usable designs and IP enables us to develop your solution on a fast track.

Innovative Solutions: AimValley is continuously looking for alternative and optimized ways of designing high-tech products, underpinned by an extensive patent library.

Phased Approach: our design process is structured to successfully take your product from concept to production and flexible enough to allow you to leverage any of our services on a stand-alone basis.

Certification: AimValley is experienced in certifying product and systems, such as EMC/ESD, CB and CE.

Life Cycle Management: we offer life cycle management for the design or product. This includes maintenance and component obsolescence management.

We take care of every step in your development process,
either based on your requirements or as joint development project.

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