



## Expert Feasibility is the Path to Excellent Product Design

Companies clearly have a need for products that not only meet but exceed their customer's needs and, when possible such companies desire to have a competitive edge. The creation of market specifications mapped against all needs and advantages often implies a product that is over-designed and one that stretches beyond the limits of practicality leading to one or more of the following parameters to be exceeded:

AimValley's system design team are experts at meeting such challenges. We have years of experience in balancing the feature "wish-list" versus a practical design. Our systems engineers will provide phases of development and trade-offs that consider the holistic set of requirements and we propose options and trade-offs to rapidly converge on an agreed development roadmap. AimValley has a systems engineering team, a hardware design team (electronics and mechanicals), FPGA, and embedded RTOS/software development teams.

Customers of AimValley are invited to engage AimValley for an entire end- to-end product design, or can engage AimValley for a single phase of development, including feasibility.

- A cost of goods that is too high, dictating a low margin or high sales price.
- A high cost of development.
- Physical size issues, for example too large for a standard rack space.
- Onerous power requirements, pushing beyond practical limits.
- Long development cycles and an increased risk to be late to market.
- Complexity in configurations, User Interface and Management, due to number of function interactions.
- Issues of heat, more circuitry and higher performance requires additional cooling and increases the risk of failure.

**Why AimValley?**

AimValley is a reliable provider of Edge technology since 2003, delivering solutions for:

- High speed data processing applications
- Complex FPGA-based accelerated systems
- High speed, low power hardware equipment
- Robust embedded software
- Early adopter of Acceleration Technology

**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 your 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. We have 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 standalone basis.

**Certification**

AimValley is experienced in certifying products or systems, such as EMC/ESD, CB and CE.

**Life Cycle Management**

We offer life cycle management for the design and/or the product. This includes maintenance and component obsolescence management.

**Quality Focus**

- Outstanding track record of on-time delivery
- Best in Class Designs – Time, Budget & Quality
- ISO9001, ISO140001, Ecovadis Platinum CSR