



AimValley is a world class engineering and innovation center that designs and builds networking solutions. We are based in Hilversum, with a strong presence in the USA and India. We started in 2003 as a spin-off from Lucent Technologies (a successor from the American company AT&T), that is why we have a strong background in telecommunication solutions and have build-up vast expertise in real-time processor techniques. Most of our design & development is done in-house.

Product development entails preparation of requirement documents, specification of system architecture, electronic development (block diagrams, board design, system certification, mechanical design), FPGA/ASIC development, software development, system verification and product/factory introduction. AimValley makes use of FPGAs to process high speed transmission functions. Real-time requirements are also key in our software development.

Our business is about people and our teams are dynamic, skilled and passionate about technique. Recruiting and training the right talent is an essential part of the AimValley DNA. We have over 80 employees of which 75% works as design expert in the R&D organization. All R&D employees have a college or university level education.



Project Introduction - Energy Efficiency

In today's society more and more focus is placed on energy efficiency. At AimValley approx. 5kWh-10kWh of electrical power dissipates in our various labs in the building. To avoid that ambient temperatures get too high in the labs, the warm air is discharged through air conditioning systems. Therefore, this energy is lost in the current situation.

Project Description

Goal of this project is to investigate the alternatives to cool the ambient temperature in the labs. Following topics need to be addressed during the project:

- > what alternatives are available to cool the ambient temperature?
- > How can power consumption in the labs be reduced?
- > Can we utilize the dissipated energy in a better way and how?
- > What is required for the various scenarios and what will be the expected energy reduction?



Complexity

The complexity of this project will be to identify the various energy flows and to investigate alternatives.

Keywords for this project

- > Lab Equipment dissipation
- > Cost Savings

Affinity

- > Sustainability

Skills

- > Communicative
- > Independent
- > Competent in English

Are you a student with a can-do attitude and a passion for technology?
AimValley is your company!

Why not join us today: working@aimvalley.com