



Customer Success Story

Driving the Future of Data Acceleration

The Customer Challenge

Pliops embarked on developing an innovative Extreme Data Processor (XDP) chip aimed at accelerating significantly GenAI applications via proprietary KV technology. 1 month after starting the bringup the chip succeeded in increasing inference application by x8. The primary task was creating a revolutionary chip design that could significantly enhance performance and efficiency in data management while meeting the highest industry standards. This required extensive verification expertise across multiple interfaces and integration levels. The project needed to address complex technical specifications and timeline requirements while ensuring the technology would be viable for commercial applications in cloud computing and enterprise data centers.

The Veriest Solution

We provided comprehensive verification services to ensure the XDP chip's reliability:

- Deployed specialized engineering teams for thorough verification of diverse chip interfaces
- Implemented sophisticated verification methodologies for block-level and top-level integration
- Verified complex interfaces including PCIe Gen1 through Gen5
- Developed comprehensive testing solutions for debug modules and DMA operations
- Maintained continuous collaboration with Pliops's team throughout the development process

Result

The partnership delivered outstanding outcomes:

- Successfully developed a groundbreaking XDP chip for data center applications
- Achieved all technical specifications while maintaining project timeline and budget
- Enabled seamless integration of multiple complex interfaces
- Created a pathway for commercial data center applications
- Established foundation for next-generation data processing solutions
- Delivered technology applicable across cloud and enterprise sectors



"The Veriest team proved to be an invaluable partner in our project. Their experts showcased a remarkable level of professionalism and commitment throughout the collaboration, that proved critical for us achieving our technical and business goals."

Ido Bukspan, CEO & Itai Ben Zion, VP Engineering