

Manufacturing the Future Together

A Smart Factory Concept



Bringing the future to the manufacturing sector with smart and robust components ready for AI on the edge.

Introduction

Innodisk, with ecosystem partners DFI and Supermicro, created a concept factory that delivers exceptional operational efficiency and reduced costs by leveraging the best hardware in the industry.

Our Roadmap to Success

InnoAGE SSD

- Industrial-grade storage
- M.2 and 2.5" form factors
- Out-of-band management-enabled
- Added security with Microsoft's Azure Sphere

iCAP

- Cloud management and maintenance
 - Web-based platform available from anywhere
 - Supports dual-band management
 - Advanced device monitoring features
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Challenges

- Downtime is required to be kept to a minimum to ensure maximum efficiency
- Staff needed to be able to manage devices in the factory even without staff on site
- In the event of device failure or service outages, devices still need to be accessed remotely for recovery purposes
- The components need to operate in challenging industrial conditions along all stages of the manufacturing process

Solutions

- Industrial-grade InnoAGE SSDs with out-of-band management
- Innodisk's iCAP device management platform for seamless remote maintenance and management
- Innodisk's rugged DRAM and embedded peripherals for factory equipment and industrial PCs

Result

By leveraging the Innodisk InnoAGE SSD throughout the smart factory's manufacturing process, the concept factory was able to ensure the best possible uptime. With the InnoAGE SSD's independent communication channel, factory operators were able to manage devices remotely, even in the event of equipment failure or a network outage-and regardless if any staff was physically present in the factory.

Thanks to the InnoAGE SSD's technology combined with Innodisk's signature ruggedness and its ecosystem partners' intelligent solutions, the smart factory proved a successful concept that serves as an inspiration in ongoing smart industry projects.