

Industrial NAND storage and hardware-based cybersecurity solutions with opportunities for strategic partnerships and technology integration.

Summary

Profile type

Business Offer

Company's country

Singapore

POD reference

BOSG20250326003

Profile status

PUBLISHED

Type of partnership

Commercial agreement

Targeted countries

• World

Contact Person

[**Enrico FRANZIN**](#)

Term of validity

26 Mar 2025**26 Mar 2026**

Last update

26 Mar 2025

General Information

Short summary

Singapore-based technology company specializing in industrial NAND flash storage solutions, delivering high-performance, reliable, and secure memory devices for critical industries such as medical, automotive, aerospace, and industrial applications. Offering innovative storage solutions designed to withstand extreme environments while ensuring data integrity and longevity. Seeking strategic partnerships for integration, distribution, and collaboration in advanced storage solutions.

Full description

A leading provider of high-performance industrial NAND flash storage solutions, this company specializes in delivering reliable and durable memory devices tailored for specialized industries. With extensive expertise in data storage technology, it offers cutting-edge storage solutions designed to meet the stringent requirements of the medical, automotive, industrial, and aerospace sectors. These industries demand high endurance, long lifecycle products that can operate in extreme environments while maintaining optimal performance and data integrity.

Leveraging years of industry experience, the company ensures that its storage solutions provide superior reliability, security, and efficiency. Its portfolio includes a range of memory products such as SSDs, microSD cards, and embedded storage, developed with advanced engineering and rigorous quality assurance processes. These

solutions are widely used in mission-critical applications, including medical imaging equipment, aviation systems, industrial automation, and defense applications, where stable and secure data storage is essential.

Beyond storage, the company is at the forefront of hardware security innovation, integrating advanced encryption, authentication mechanisms, and hardware-based security features to safeguard sensitive data. This approach aligns with the growing demand for secure, high-performance storage solutions that mitigate risks associated with cyber threats, unauthorized access, and data breaches.

The company actively seeks partnerships with technology providers, OEMs, and system integrators who require high-reliability storage solutions for specialized applications. Strategic collaborations are established through OEM agreements, technology licensing, and co-development initiatives to enhance product integration and expand market reach. The company also collaborates with industry partners to deliver custom storage solutions that align with specific performance and security requirements, ensuring seamless deployment across various industries.

Advantages and innovations

Compared to traditional consumer-grade storage solutions, the company's industrial NAND flash storage devices offer significantly enhanced durability, endurance, and security. These products are engineered to withstand extreme temperatures, shock, and vibration, making them ideal for environments where reliability is non-negotiable. Unlike standard storage solutions, which may suffer from wear and data degradation, these devices incorporate advanced error correction and wear-leveling technologies to ensure long-term data integrity.

One of the key innovations lies in the integration of hardware-based security features directly into the storage medium. This approach provides superior protection against unauthorized data access, ensuring compliance with strict regulatory and industry standards. By embedding security mechanisms at the hardware level, the company eliminates vulnerabilities commonly associated with software-based security solutions, reducing the risk of cyber threats and unauthorized data manipulation.

Economic benefits include reduced downtime and maintenance costs, as the high-endurance design ensures longer product lifecycles compared to consumer-grade alternatives. Additionally, the efficiency and reliability of these solutions minimize operational disruptions, making them a cost-effective choice for industries where data security and continuous functionality are paramount.

Through continuous research and innovation, the company remains a trusted partner for businesses seeking high-performance, secure, and industrial-grade storage solutions tailored to their unique operational needs.

Technical specification or expertise sought

Stage of development

Already on the market

Sustainable Development goals

- **Goal 5: Gender Equality**
- **Goal 17: Partnerships to achieve the Goal**
- **Goal 10: Reduced Inequality**
- **Goal 12: Responsible Consumption and Production**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR granted

IPR Notes

Partner Sought

Expected role of the partner

Commercial partnership

1. Industrial, Medical and Automotive - Distributor
 - a. Lead Generation and Design-in new project
 - b. Buy and sell model – Handle logistic, custom clearance etc.
 - c. Reaching out and connecting to end users or contractual manufacturer that are in Industrial, Medical and Automotive industries
2. Industrial, Medical and Automotive – Sales Representative
 - a. Lead Generation and Design-in new project
 - b. Reaching out and connecting to end users or contractual manufacturer that are in Industrial, Medical and Automotive industries

Type of partnership

Commercial agreement

Type and size of the partner

- **SME <=10**
- **SME 50 - 249**
- **Big company**
- **SME 11-49**

Dissemination

Technology keywords

Market keywords

- **02005010 - Optical disks and drives**
- **02007005 - Communications/networking**
- **02007016 - Artificial intelligence related software**
- **02005007 - Disk related memory devices**
- **02006008 - Data storage**

Targeted countries

- **World**

Sector groups involved