



Cybersecurity solutions for industrial resilience

at Birla Sugar (K K Birla Group)

Established in

1932

47,000

tonnes of sugar
processed per day

7

plants across India

6000

employees

Birla Sugar (K K Birla Group)

Birla Sugar (K K Birla Group) is one of the largest sugar producers in India, with a daily cane crushing capacity of 60000 tonnes and seven highly efficient plants across Uttar Pradesh and Bihar. Known for its innovation and rapid growth, Birla Sugar (K K Birla Group) has doubled its production capacity in the past decade, integrating cutting-edge technology to enhance efficiency.



One of India's largest
sugar manufacturers



Headquartered
in Kolkata



Facilities across India



Critical Operational
Technology (OT)
infrastructure

k

Building on success

Positive previous experiences with Kaspersky's IT cybersecurity solutions and its strong detection & response capabilities led Birla Sugar (K K Birla Group) to expand the partnership to OT security.

The Challenge

Birla Sugar (K K Birla Group) relied on a diverse OT infrastructure across its seven plants, but lacked centralized security, making it difficult to monitor threats. Many systems ran on legacy technology that couldn't afford downtime, and air-gapped networks meant security updates were often outdated. A security audit revealed malware infections on multiple machines, exposing critical vulnerabilities. Additionally, employees could unknowingly introduce risks by connecting USB devices and mobile modems to OT systems, bypassing security controls.

With no unified visibility and rising cyberthreats, the company needed a robust, non-disruptive OT security solution to safeguard its multiple operations.



Kaspersky
Industrial
CyberSecurity

Why Kaspersky?

Birla Sugar (K K Birla Group) chose Kaspersky for its seamless integration with existing IT security, ensuring centralized OT protection and full visibility without downtime or a lengthy learning curve for the team.

The decision was reinforced by Kaspersky's ability to offer visibility into connected assets and network relationships, as well as capabilities like anomaly detection and vulnerability assessment, all vital in a legacy OT environment. These tools enabled Birla Sugar Group to monitor risk in real time, simplify compliance, and coordinate response across systems without adding complexity.

A successful proof-of-concept further demonstrated Kaspersky's real-time detection capabilities, confirming its value as a trusted cybersecurity partner.

Birla Sugar (K K Birla Group)
needed a solution that
provided:



Centralized security
management



Protection for legacy
systems



Threat detection for
air-gapped networks



Control over unauthorized
access

The Kaspersky solution

Birla Sugar (K K Birla Group) implemented **Kaspersky Industrial CyberSecurity for Nodes** to protect its industrial control systems while ensuring continuous availability. For air-gapped machines, **Kaspersky Portable Scanner** provided a USB-based scanning solution, asset and inventory management, and packet capturing. This has secured systems that couldn't previously support traditional security software.

The deployment was non-disruptive, starting with a learning mode before transitioning to full protection after 15-20 days. Kaspersky's solutions also blocked unauthorized USB and modem connections, eliminating key security risks. With centralized visibility and seamless integration, Birla Sugar (K K Birla Group) strengthened its OT security without disrupting operations.



Rajib Roy Chowdhury

Group Head – Information Technology,
Birla Sugar (K K Birla Group)



This project demonstrated that OT security doesn't have to mean downtime. With Kaspersky solutions and dedicated support teams, we secured our infrastructure while maintaining round-the-clock operations.



Advantages

- Full visibility & centralized security
- Zero-downtime deployment
- Advanced malware detection
- Scalable and future-proof

Outcomes

With their implementation of Kaspersky's OT security solutions, Birla Sugar (K K Birla Group) has gained full visibility into its industrial infrastructure, allowing for completely centralized monitoring and risk management. The deployment of **Kaspersky Industrial CyberSecurity for Nodes** and **Kaspersky Portable Scanner** has helped to identify and mitigate security vulnerabilities, significantly reducing malware infections and unauthorized access risks.

One of the key achievements was the zero-downtime deployment, ensuring that legacy OT systems remained fully operational while overall security was enhanced. Birla Sugar (K K Birla Group) also successfully eliminated USB-based threats by blocking unauthorized devices, preventing employees from inadvertently introducing malware onto their machines.

With the success of the initial deployment, Birla Sugar (K K Birla Group) is now considering expanding Kaspersky's security solutions to additional plants across India, reinforcing their commitment to cyber resilience in industrial operations.



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Industrial
CyberSecurity**

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