

UPGRADE YOUR FACILITY'S UPTIME

Case Study

Aydın Kozanoğlu CEO Kat Mekatronik

“As an automotive manufacturing company, our customers have high expectations in terms of quality and technology innovation. Migrating to a cyber-secure platform such as EBI 600, without any interruption to our production, enables us to have faster response times and better server utilization. This will provide us with the path to further integrate with our core enterprise systems, more insightful data analytics, and improved decision making.”

Honeywell

OVERVIEW

Kat Mekatronik is a Turkish manufacturing company that has been providing services for top tier companies in the automotive sector since 1995.

The company is highly experienced with mechanical, mechatronic, and electronic products – carrying on all product development stages within its facilities. A new 25,000 sqm site meant for industrial production made it crucial to invest in modern video and building management systems (BMS). Project officials turned to Honeywell Building Solutions, its long-time trusted partner, for a cyber-secure upgrade that would enhance operational efficiency and cost savings.



THE NEEDS

- Quick project execution without operational interruptions.
- Optimize data and storage capabilities for cost-effective operations.
- Implement a BMS that runs in virtualization for better hardware usage and management.
- Improve data analysis and outcomes through analytics and scalable, SAP integration capabilities.
- IoT technologies for better operations and a future-ready infrastructure.
- Reliable cybersecurity in place for IT and operational technology (OT) systems.



THE SOLUTION

Honeywell and Kat Mekatronik have worked together before, and the Honeywell team's level of service excellence determined project officials to turn to Honeywell once again for modern building solutions. The Honeywell EBI (Enterprise Buildings Integrator) R600 and DVM (Digital Video Manager) R700 systems were chosen for their reliability, advanced analytic features and third-party platform integration capabilities. The Honeywell team provided a large scope of integrated solutions, offering management and control features such as process inputs for pressurized air compressors, hot water, and more.

With these solutions in place, the facility is ready for further cost optimization analysis, as the Kat Mekatronik team is now able to gather much more energy data from manufacturing expenses. The system's analytic capabilities provide complex insights that improve the chances of generating outcomes that would optimize energy usage and management. When an incident occurs, given the EBI system integration, the CCTV cameras and lighting react accordingly – providing improved visibility and safety measures.

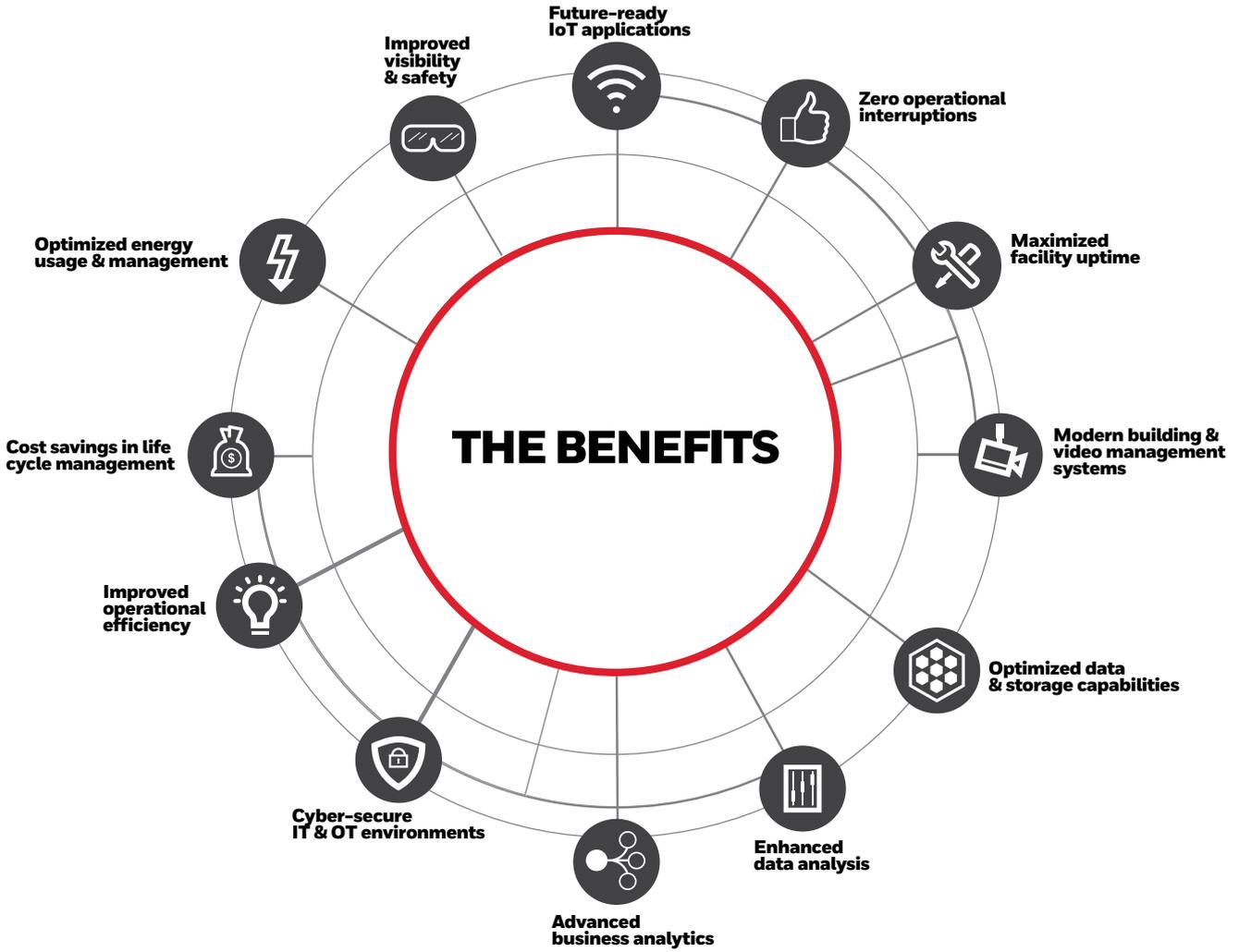
The considerable amount of recorded and saved video data resides on the facility's servers and within a large datacenter. The new Honeywell systems offer significant storage improvements, with up to 40% more file compression. As the video data is being transferred for storage and analysis purposes, the DVM Clip Export speeds up and helps reduce disk space usage, leading to storage optimization and cost savings.

Company officials were impressed with the Honeywell team's fast and flawless project execution, seeing significant operational and uptime improvements right after the installation was complete. The successful collaboration between Honeywell and Kat Mekatronik has led to plans for future cloud-based, mobile digital solutions for further process management system optimization.

To ensure a cyber-secure OT environment, both EBI R600 and DVM R700 were integrated with:

- CCTV
- Lighting
- HVAC
- Fire alarms
- Access control
- Energy Management

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For more information

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