AGC

TOMORROW LABS

Kaspersky protects AGC plant in Germany

kaspersky BRING ON THE FUTURE

Kaspersky Industrial CyberSecurity

AGC Glass Germany

agc-automotive.com

tomorrow-connect.com

Manufacturing

- Founded in 2003
- Clients: BMW, Volkswagen, Mercedes, Volvo, Opel
- Using Kaspersky Industrial CyberSecurity since 2016

AGC Glass Germany has been producing automotive glass for leading manufacturers such as BMW, Volkswagen, Mercedes, Volvo and Opel since 2003. It employs 150 staff at its site in Wegberg near Mönchengladbach in Germany. AGC is a part of the Asahi Glass Company, a world-leading Japanese glass manufacturing group that employs more than 54,000 people in over 30 countries around the world.

AGC Glass Germany GmbH processes automotive glass panels produced elsewhere in the group to tailor them to its customers' specific needs. This can include adding heating or rain sensors to the glass panels, or surrounding them with seals. The glass elements are then taken on to production lines across the automotive industry.

Background and priorities

"After 2 years of implementation KICS, we recognized Kaspersky's customized approach and dynamic development of the product. At the same time, Kaspersky is valuable for the people – we appreciate the effective team work and prompt feedback".

Jan Houben, Plant Manager at AGC Glass Germany GmbH

Process stability is critical for standardized, large-batch manufacturing like at AGC Glass Germany. A delay in production or worse, a complete breakdown of the production lines, can incur not only cancellation fees, but in many cases expensive contractual penalty charges, too. To combat this, AGC uses the Industry 4.0 platform Tomorrow Connect and its eApps to gather real-time information about process stability and deviations from its set values.

The solution was developed by the Kaspersky partner Tomorrow Labs in collaboration with the Fraunhofer IPA and machine manufacturers. It collects, links and visualizes machine and ERP data from different manufacturers and so allows information from across departments and the company to be brought together to facilitate transparent, autonomous production.

Large amount of networked production equipment also exponentially increases the number of weak points for cyberattacks. These can in turn cause considerable financial losses and long-lasting damage to a company's image.

That is why AGC sees the importance of sufficient cybersecurity solution. It could bring many business benefits: mitigating the risk of disruption, securing the supply chain, be compliant to regulation and more.

"We have chosen Kaspersky as a technological partner because it is a recognized vendor for industrial cybersecurity. Kaspersky has a deep expertise and research, providing not only software but also threat intelligence and vulnerability assessments," says Jan Houben, Plant Manager at AGC Glass Germany GmbH.

Security
Combines industrial network monitoring with endpoint protection, developed specifically for industrial environments

Risk Management
Protects against contractual penalties caused by disruption or quality violation

Integrity
Monitors the integrity of data transmitted to operator's dashboard, protecting from the most sophisticated attacks

Stronger integration

To strengthen its security posture, AGC has chosen Kaspersky Industrial CyberSecurity or, shortly, KICS. It is a specially designed portfolio of software products to protect industrial control systems (ICS).

KICS for Nodes secures ICS/SCADA servers, HMIs and engineering workstations from the various types of cyberthreats that can result from human factors, generic malware, targeted attacks or sabotage. KICS for Networks operates at the industrial communication protocol (Modbus, IEC stack, ISO, etc) layer, analyzing industrial traffic for anomalies via advanced deep packet inspection (DPI) technology. It also provides asset discovery and network map visualization.

After 2 years since first KICS implementation, AGC decided to expend the project for more effective functionality. AGC updated the existing installations of KICS for Nodes and KICS for Networks to the latest versions. Moreover, Kaspersky integrated KICS to Tomorrow Connect provided by TomorrowLabs. That brought new useful opportunities:

- Real-time manufacturing telemetry and cybersecurity status on plant manager's dashboard;
- KICS guarantees telemetry is not compromised and provides endpoint security breach and anomaly detection;
- KICS detects technological process violations with DPI that helps to avoid the mistakes in production process and be sure in the product quality.

Results

“The solution gives us cybersecurity across all network levels without affecting the operational continuity of our technological processes”.

Jan Houben, Plant Manager
at AGC Glass Germany GmbH

Kaspersky together with TomorrowLabs successfully updated and adapted Kaspersky Industrial CyberSecurity products for AGC needs. This project allowed AGC to be fully protected and reactive, and guaranteed the integrity of data transition to Tomorrow Connect thanks to KICS. Now company is confident in its production continuity and safety, as well as being trustful for partners from its supply chain.

“Kaspersky Industrial CyberSecurity is based on a modular system, so it can be adapted to our individual requirements and specific infrastructures”, continues Jan Houben. “The solution gives us cybersecurity across all network levels without affecting the operational continuity of our technological processes.”

Kaspersky Industrial CyberSecurity

Kaspersky Industrial CyberSecurity is a portfolio of technologies and services designed to secure operational technology layers and elements of your organization - including SCADA servers, HMIs, engineering workstations, PLCs, network connections and even engineers - without impacting on operational continuity and the consistency of industrial process.

Learn more at www.kaspersky.com/ics

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