European steel mill applies ABB Cyber Security Fingerprint to find security gaps

A cold-rolling mill in Spain wanted to review the cyber security status of two process automation systems controlling the steel processing lines.

Customer need
• Review control system cyber security status
• Ensure software and antivirus programs were up-to-date

ABB's response
To address its cyber security needs, the steel mill chose the ABB Cyber Security Fingerprint, a non-invasive service that identifies strengths and weaknesses for defending against cyber attacks within a plant's process automation systems.

ABB starts by gathering information from structured interviews with key plant personnel. While these interviews take place, a proprietary software-based collection tool, Security Logger, collects information and system settings from control systems and other computers on the plant network. ABB's Security Analyzer tool is then used to calculate Key Performance Indicators (KPIs) that highlight strengths and weaknesses of control system security.

The resulting report provides recommendations to reduce cyber security vulnerabilities while helping to develop a focused and sustainable security strategy for control systems. Included in the final report is a detailed, prioritized action plan to address specific issues uncovered by the Fingerprint.

Results
The Cyber Security Fingerprint found the steel mill's process automation systems were running outdated versions of software that were no longer supported. Additionally, the company needed to upgrade its antivirus protection.

Customer benefits
• Detailed report on control system security in one man-week
• Fast resolution for important security issues
• Foundation for comprehensive cyber security plan

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