Powerful assistant:
How AUVESY-MDT solution helps Volkswagen Anhui manage data

In the automotive industry, the production process and data management of production line equipment is a crucial component. A good data management software not only helps us backup and version-control multiple programs on the production floor and between factories, but also monitors the production process, greatly improving work efficiency.

Volkswagen Anhui was established in 2017 as the first joint venture in China focused on new energy vehicles, formed by Volkswagen Group and Anhui Jianghuai Automobile Group Corp.,Ltd. In 2022, Volkswagen Anhui introduced the AUVESY-MDT solution management system, which successfully achieved regular automated backup and central data management of production line equipment

programs (such as PLCs, robots, motor drives, etc.), enabling efficient management and monitoring of the production process. This case not only provides reference for other companies in the automotive industry, but also represents a successful attempt by Volkswagen Anhui in digital transformation.

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Introducing the AUVESY-MDT solution

During the planning phase of the new Volkswagen Anhui plant, choosing a suitable system and achieving the desired management effect became an important topic of discussion. "We need to ensure proper management of production equipment programs while ensuring rapid recovery of production systems. These stringent conditions have resulted in very few software options that meet our requirements, but this is the Volkswagen Group's standard. Fortunately, we found and chose the AUVESY-MDT solution," said Dr. Michalichal Kostolani from the maintenance department.

In September 2022, they applied the AUVESY-MDT solution to the entire company, covering all three workshops (welding workshop, painting workshop, and final assembly workshop). He is responsible for establishing some unified management standards for the maintenance team and different equipment programs in the three workshops.

The main purpose of introducing the AUVESY-MDT solution is to store and compare different versions of system backups.

New Name: "Volkswagen Anhui Automotive Company Limited (Volkswagen Anhui)" was officially announced

Program monitoring and version management for maintenance departments

The primary users of the AUVESY-MDT solution are maintenance departments, as they require the management and use of various software and corresponding equipment programs in their daily work. Zhou Bin, a maintenance engineer at Volkswagen Anhui Paint Shop, is responsible for the maintenance and repair of the automated equipment inside the paint shop.

The AUVESY-MDT solution can help the maintenance department monitor and manage the on-site equipment programs and versions, thereby avoiding unexpected downtime of certain devices due to program management and reducing production efficiency.

Significantly improve work efficiency

Since deploying this software, the programs of core production equipment on the Volkswagen Anhui production line are automatically backed up to the server on a regular basis and managed through archiving. This frees up professional maintenance personnel from the tedious, repetitive, and low technical difficulty work of manual backup and program management, allowing them to invest valuable time in other more meaningful or urgent tasks. In addition, AUVESY-MDT provides comprehensive and professional training and guidance to Volkswagen Anhui employees, enabling them to use the software and perform necessary configurations without the support of manufacturer personnel in the future.

Mr. Hu is the project manager for the AUVESY-MDT solution in the IT department of Volkswagen Anhui.

He added, "The AUVESY-MDT solution also has a function for comparative inspection, which can help us identify whether the device programs being monitored on-site have been modified. By comparing the programs captured from the site with our defined standard version programs, it helps us monitor the production process."

The cross-comparison inspection function mentioned by Hu is a key highlight of the AUVESY-MDT solution, as it enables timely detection of unauthorized modifications to on-site device programs, preventing large-scale quality and production accidents from occurring.

The New MEB Body Shop: Innovations in Automotive Manufacturing and Sustainable Production Processes Unveiled as State-of-the-Art Technology Transforms the Future of Vehicle Production.

AUVESY-MDT

Using AUVESY-MDT solution

The AUVESY-MDT solution is user-friendly software. Prior to using the software, AUVESY-MDT technical staff will provide on-site training and guidance in the workshop to ensure that employees can use the software correctly. Under supervision and guidance, the staffs can carry out practical exercises and drills to better master the use of the software. Additionally, the AUVESY-MDT solution supports testing of various standard devices to ensure compatibility with all equipment in the workshop before the network architecture is completed.

Once the network architecture is in place, the software can easily perform version management and backup tasks. In the event of any subsequent issues during use, the company can contact AUVESY-MDT technical staff at any time for online support to ensure that the company's system runs smoothly at all times.

Volkswagen Anhui and partners officially launched Smart Logistics project to usher in a new era of innovation

AUVESY-MDT

"If a company aims to protect their production systems in a highly professional and secure manner, I would highly recommend the AUVESY-MDT solution due to its many advantages. It can truly help achieve standardized and unified management of various device programs, early and rapid recovery solutions, as well as a clear overview of backup management tasks for different systems. Therefore, if an enterprise truly desires a comprehensive system, the AUVESY-MDT solution is an outstanding tool."

Mr. Dr. Kostolani - Volkswagen Anhui

Advantages of using AUVESY-MDT solution

The AUVESY-MDT solution provides a simple and effective method for managing a company's automation processes, ensuring their efficient operation, reducing the risk of accidents, and minimizing their impact on operations. The software's user-friendliness also means that it can be self-installed and configured with minimal effort from mainte-nance personnel.

Would you like to learn more about the AUVESY-MDT solution? Please visit our homepage to learn more information and discover how it can make a lasting impact on your business operations.

Follow our LinkedIn official account to get more cutting-edge information.

Volkswagen Anhui New R&D Proving Ground Groundbreaking Ceremony

AUVESY-MDT

AUVESY-MDT is the global market and technology leader for versioning and backup solutions in industrial automation. With its octoplant software platform, the company secures the automation of production processes through strong end-point management, where it consistently records and monitors changes to configurations, programming and project statuses in production. This minimizes downtime, increases efficiency, quality and safety standards, and saves costs as well as resources. As a modular solution, octoplant can be linked to different automation technologies and devices, regardless of the manufacturer.

AUVESY-MDT was formed in 2022 from the merger of the two established market leaders AUVESY GmbH and MDT Software Inc. The company is headquartered in Landau, Pfalz, Germany, with additional locations in the USA and China. The company works with more than 100 partners on all continents and serves over 2,800 customers worldwide.

More Information at: auvesy-mdt.com

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