SUCCESS STORY IIOT SERVICE PLATFORM

"EquipmentCloud® helps us not only to be regarded as a progressive company and to be sought after by customers and business partners for our experience, but we can also free our valuable capacities from the burden of routine tasks."

Uwe Beier, Managing Director

Adenso
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EquipmentCloud®

DIGITAL SYSTEM MONITORING & MANAGEMENT FOR SPECIAL MACHINE CONSTRUCTION

AIS Automation Dresden GmbH has developed a software platform based on the ToolCommander® to control three different newly developed wafer handling robots (WHR) from Adenso Industrial Services GmbH. This was seen as an opportunity to establish digital system monitoring and management. It was implemented as Adenso.ToolCloud on the basis of the cloud-based customer and service portal of EquipmentCloud®. AIS Automation was responsible for the introduction, project execution via the OpenIssues App, as well as for service and support by the local development team.

Platforms: EquipmentCloud® and ToolCommander®
Service: Introductory workshop, project execution, service and support by the R&D department

GOALS

- Setting up and maintenance of an online library for the systems
- Establishing use as a project-related data exchange server
- Increasing customer loyalty

CHALLENGE

- Data integration of almost 70 identical systems
- Data maintenance of specific parameters
- Introduction of the EquipmentCloud®

RESULT

- Increased evaluation accuracy
- Saves up to 30% in time and costs during commissioning
- Improved communication with customers and project partners

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GOALS

Adenso has a broad portfolio of roll-to-roll (R2R), ultra-thin glass (UTG), wafer handling robots (WHR) and automation systems for special machine construction and the semiconductor industry, as well as specialised employees with know-how in these areas. The Adenso. ToolCloud is used to set up and maintain an online library for software and hardware configuration and for digital documentation of the systems. In addition, the focus is on the monitoring and evaluation of performance-relevant system parameters such as reliability, error frequency and capacity utilisation. The Adenso.ToolCloud serves as a data exchange server

from the start of the project to the final acceptance of the systems and enables current software revisions, to-do lists, work statuses and necessary documents to be viewed, downloaded and updated at any time. A positive side effect is accelerated project execution. With the introduction of a modern cloud solution, Adenso is not only expanding its digital service package but also enabling a central and direct communication platform for all project participants in order to strengthen customer loyalty in the long term.

SOLUTION

The **EquipmentCloud®** from AIS Automation is used to achieve the specified goals. This cloud-based customer and service portal enables the documentation, management and evaluation of relevant system data from a cluster/implanter, sorter and tester WHR through the freely selectable apps. The eDocs app is used for the documentation. Entire folder structures or individual manuals, CAD drawings and data sheets can be stored there and assigned to the respective systems. Installed software versions and sets can be managed via the SoftwareCenter so that, with a single click, the user can determine the available software version and whether an update is required for the systems in the field.

Adenso and its end customers can always keep an eye on important key figures, process values, alarms and events relating to the systems with the help of the monitoring app. If deviations occur, traceability and troubleshooting is simplified considerably due to consistent logging. Experience has shown that this results in accelerated project execution and guaranteed success together with the OpenIssues app, in which open issues are documented, categorised and prioritised, responsibilities assigned and deadlines set.

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BENEFITS AND RESULTS

After an 8-hour introductory workshop by AIS, Adenso was able to independently create around 70 systems and gradually maintain the Adenso.ToolCloud with relevant data. Thanks to the continuous and constructive feedback sessions with the **EquipmentCloud®** development team, data integration and data maintenance could be considerably simplified using the copy function and freely configurable master data parameters. Access to process parameters has especially improved the accuracy of evaluation and acceptance in the commissioning process for the end customer. The bundling of all relevant information in one location ensured direct communication and the inclusion of all project partners – customers, suppliers and employees.

30%

Openness and transparency about processes and open tasks have had a positive influence on the course of the project, as time and cost savings of approx. 30% were achieved.

ABOUT ADENSO

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Adenso provides expertise and technologies in the fields of R2R, UTG, WHR and automation across various sectors. For Adenso customers, specific prototypes, research modules and production facilities of every dimension form the basis for globally successful business models. Adenso also develops its own products and special solutions for cluster handling and high vacuum to meet market needs.

For further information: www.adenso.solutions/

ABOUT AIS AUTOMATION DRESDEN GMBH

AIS Automation Dresden is a leading software company in the field of industrial automation. For more than 25 years, we have been providing products and solutions, thereby transforming the concepts of Industry 4.0 and Smart Manufacturing into reality. In this, we are your reliable and competent partner for machine control, inter-face solutions, factory and production automation, process and system automation, as well as for railway and traffic engineering. As part of S&T AG, we provide you with extensive service and support options for worldwide project work and consulting. In Equipment Integration with **EquipmentCloud®** we enable you, as a plant and machine manufacturer, to position yourself digitally and strategically in order to establish new business models and service products with the aid of the scalable cloud-based customer and service platform.

For further information: www.ais-automation.com