



PLC-HMI-SCADA-TELECONTROL-FAILSAFE-BMS-DCS-MES

SBIA

Stamatiou Building & Industrial Automations

Smart Factory
automation tools and software





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WS-AS is a custom made integrated monitoring system for monitoring workstations regardless technology, vendor or make in real time based on Simatic platform. Data recording and analytics, percentage of the production in absolute numbers, statistical behavior of the machines and of users categorized on shift, day, week, month or year, as also predicting production reduction and possible problems. Smart factory automation tools and software.



WS-SA Workstation Analysis System:

- It fulfils the need for efficient production management, problem reporting, analytics and predicting production losses.
- It provides advanced tools for analyzing and reporting 31 different variables of every monitored workstation and it can be implemented in any machine regardless make, vendor or technology.
- It provides color-coded visuals for easy recognition, live data, and trends and does not rely to human input.

WS-AS is the absolute tool for the modern industry to achieve objectives such as increasing of the production, lowering the production costs, improving operation, locating malfunctions, centralized control and capability of early intervention at the very beginning of the problem, recording and archiving of all production data. Reducing idle time and losses.

The data exported by the system besides being manageable simultaneously by multiple users (e.g. head of departments), locally or via internet, are actual production data that are not based on human input and can be entered as real production data in organization's ERP system.

The features of our system that distinguish it in the market of smart factory tools and software are:

- Monitor of 31 different variables for every workstation
- Import workstation status (4 modes) with color code
- Full customized depending on the product or process
- Multiple data export that can be bridged to all ERP systems
- Incorporates the best attributes of individual subsystems. Combines and uses them in a unique way
- It is not based on data input from human
- Direct supervision and compare up to 5 shifts without search
- Easy to use and understandable environment even for novice computer users
- Simultaneous updates to multiple users via network
- But most important: It can be implemented in any workstation regardless kind, technology or vendor as it does not interfere with machine's control equipment

Variations:

1. **WS-AS Basic:** System for production monitoring
2. **WS-AS Production:** SAS Basic + Statistics
3. **WS-AS Pro:** SAS Basic + Statistics + Energy Analysis
4. **WS-AS Enterprise:** SAS Basic + Statistics + Energy + Production Control

WS-AS Basic: The central system WS-AS (Workstation Analysis System), is a system that collects data from all machines in the factory, it records, processes and presents them to users (supervisors, managers etc.) either locally or via internet. OEE report.

WS-AS Production: All functions of the basic version plus behavioral analysis of statistical data over time. Reporting and alarming.

WS-AS Pro: All functions of the Production version plus additional module for implementation of application for energy analytics, up to cost per product report.

WS-AS Enterprise: A comprehensive monitoring system and production control which combines uniquely leverages and extends the capabilities of WS-AS with encoding and monitoring of raw materials, mixtures, finished or semi finished products, monitoring order progression, recording and coding at all levels.

The WS-AS system offers implementation for Audit Trail, secure data collection and data integrity system that fully complies with GMP 21CFR ANNEX 11 standard and can be bridged to any ERP. Three levels of security, digital signature and usage segmentation is additional features that can be implemented to complete the smart factory tool box.



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SBIA is a high-tech company that specializes in developing of industrial and building automation, production improvement tools, facility management systems, control and analytics systems, and software development.

PLCs, SCADA, HMI, process know how, specialized industrial techniques are some of SBIA's qualifications. We are a Siemens AG registered and qualified systems integrator as also technical partners with many well established businesses in the area, manufacturers, experts as also Universities and research centers. With more than 650 reference projects with top results and production impact, we are aiming at your best service with high efficiency products.

Our vision is to upgrade and develop the quality of technical services provided to industries and set a course that will take us to the level of dynamic competitiveness in the global market.

With 20 years of experience in the field of industrial automation, SBIA can guarantee for your company an immediate response to any of your demands. With well-organized manufacture and distribution departments combined with our competitive rates we aim at increasing our productivity and thus offer you the result you are looking for. At SBIA we stand out for designing smart systems which can be innovatively applied in industries of all types, offering solutions and tools to any production system.

