**FabEagle® MES** is our software framework for a scalable production control and monitoring system. It offers you the option of quality assurance via traceability and capturing the machine data in your production. In doing so, we provide highly scalable solutions for supporting manual production processes up to fully automated production in large quantities. The main applications are in the solar and PV industry as well as in the manufacturing industry of batteries, printed circuit boards & electronics.

**Traceability**
Factory-wide acquisition of material batches and process data for better product quality

**Production Control**
Digitization of production orders, work plans and parts lists for increased productivity

**Factory Wide Transparency**
Visualization of order progress to ensure adherence to delivery dates
YOUR BENEFITS

- Highly scalable solution for fully automated production of very large quantities or for semi-automated production with manual workstations
- Ensuring traceability from lot size 1
- Increasing transparency via online visualization & comprehensive reporting functions
- Increase in productivity via optimal production control & online-SPC
- Minimizing downtimes by analyzing machine data & maintenance management

FEATURES

PRODUCTION VISUALIZATION
- Complete production overview for interactive access to detailed information about status of equipment, alarms and production progress

WORK ORDER MANAGEMENT
- Synchronization of work orders with ERP system or direct management in the MES
- Assignment of work plan to each production order

WORK PLAN MANAGEMENT
- Graphical configuration of production process in work plans and definition of recipes, bills of material and relevant parameters

PRODUCTION CONTROL
- Support of transport systems, prioritization of batches and monitoring of material logistics

RECIPE MANAGEMENT
- Ensuring the production with the correct settings on the machines

ALARM STATISTICS
- Analysis of machine malfunctions by frequency, duration and identification of improvement potential

MATERIAL TRACKING
- Traceability from raw material to finished product through the complete production line

MACHINE & OPERATING DATA
- Automatic and manual acquisition of machine statuses, product defects and batches to calculate the KPIs (e.g. OEE, MTBF, MTTR).

PROCESS DATA
- Acquisition and storage of quality-related process and material data for each production step.

USER MANAGEMENT
- Definition of user groups and permissions
REPORTING

> Display of stored process, material and machine data for user-defined analysis

ONLINE PROCESS VISUALIZATION

> Display selected process data in real time as a trend for detection of deviations

ONLINE-SPC

> Configuration of rules for monitoring process and material data

EVENT MANAGEMENT

> Management and configuration of actions in case of SPC rule violations, machine alarms or maintenance operations

SHIFT PLANNING

> Definition of shifts, shift models and targets for analysis and calculation of KPIs

MAINTENANCE MANAGEMENT

> Management of service schedules and their triggering based on specific factors

LOGBOOK/ DAILY MACHINE LOG

> Management of service schedules and their triggering based on specific factors

LONG TERM ARCHIVING

> Configurable archiving solution with all relevant production data

SERVICES PROVIDED BY KONTRON AIS

In addition to standardized software solutions, Kontron AIS also provides extensive know-how and services individually tailored to meet your requirements for all stages of project. Thanks to our vast experience of over 30 years, we give you advice for planning and optimizing your production and support the evaluation of the equipment.

SYSTEM INTEGRATION

As full-service provider, Kontron AIS is able to take up all the activities necessary for integrating the equipment; starting from the interface specification and software qualification to on-site testing and integration of the equipment in your production.
We set the benchmark in industrial software. For more than 30 years and with a growing team of 160 employees, we have been providing solutions for machine and plant manufacturers as well as factory operators to break new ground in automation and thereby substantially reduce costs. Together with our customers, we develop concepts for smart manufacturing and Industry 4.0, helping to implement intelligent digitization strategies successfully.

As part of the Kontron Division in the S&T Group, we offer integrated concepts for control & IoT hardware as well as project management, service and support through a global network of regional centers.

In factory and manufacturing automation, we dedicate ourselves to tasks like connectivity and transparency in manufacturing and production control. With the appropriate solutions therefor, we push the digitization of production for maximum productivity, quality and cost efficiency.