PROMED

DATA ANALYTICS

FACTORY ANALYTICS AND TRACEABILITY AT SCALE

PROMED

PROMED DATA ANALYTICS

PROMED Data Analytics helps you prepare your production and test facilities for the future. Industry 4.0 will usher in far greater amounts of data than ever before. Preparing and analyzing this data in a meaningful way are the most important disciplines in Industry 4.0. Collecting, cataloging and analyzing this data will open the door to new opportunities in optimizing your production pipelines.

Using Predictive Analytics, real-time monitoring of Overall Equipment Efficiency/Net Equipment Efficiency as well as Process Capability and Process Performance, PROMED Data Analytics can minimize the downtime of production facilities and maximize their productivity.

OVERALL EQUIPMENT EFFICIENCY & PROCESS PERFORMANCE ANALYSIS

The Overall Equipment Efficiency Analysis is fully configurable to suit your business's unique requirements and will provide an effective overview in all phases of product development and validation. This includes configuration of set-up times, hours of operation and commentary function for scheduled and unscheduled downtime.

Detailed and real-time Process Capability and Process Performance monitoring for each assembly group and production facility aids your quality management by providing a stability analysis of your production and testing process, as well as detailed analysis for each assembly.
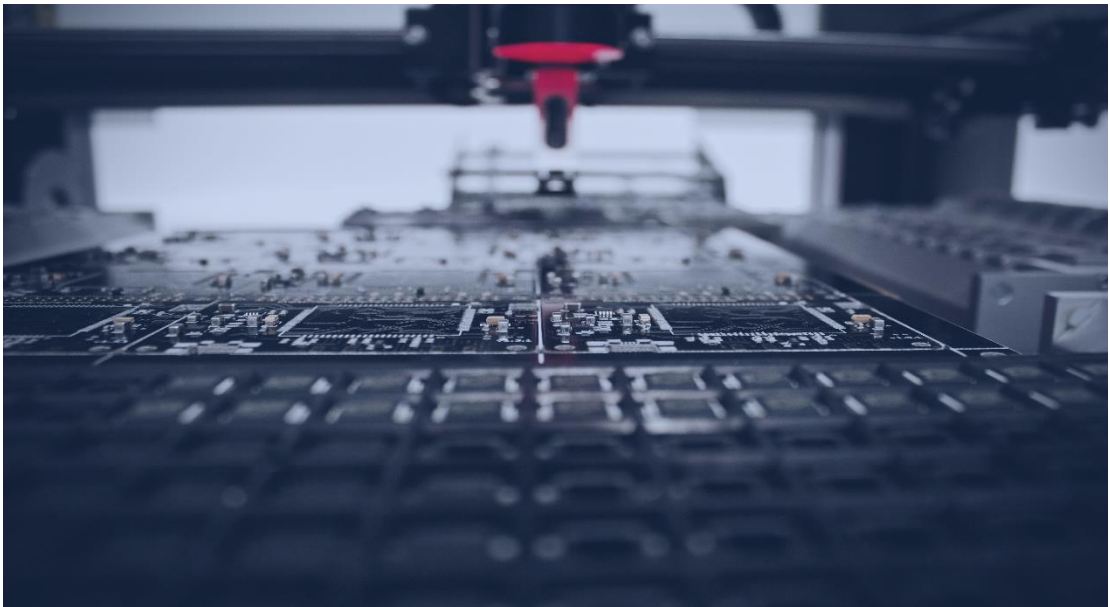
PREDICTIVE ANALYTICS

Using Predictive Analytics PROMED Data Analytics can help identify problems of product or production facility at an early stage. Problems can be identified, addressed and resolved during a planned maintenance window before the production process comes to a halt, preventing unscheduled downtime.

Supervisors can be notified with alerts, warnings or other information using an easily configurable notification system. Information about the health status of production facilities and PROMED Data Analytics itself can be obtained at any time from the same system.

ZERO DOWNTIME CONFIGURATION

Every minute of downtime costs your business money. Knowing the importance of 24/7 operations, PROMED Data Analytics can be configured on the fly with zero downtime to support your business's rapidly evolving processes. Integrate in real-time with the data available for new additions to your pipeline available in seconds.

TRACEABILITY & ASSET MANAGEMENT

Another key factor for a future orientated factory is the traceability of manufactured products as well as the asset management of production facilities. Avoid the high training costs and overhead of complex software. PROMED Data Analytics offers intuitive, easy to use user interfaces for all critical tasks. Configure operation hours, maintenance or calibration periods, detailed production facility descriptions and user notes in our asset management.

Connected systems can safely upload their production data continuously into the PROMED Data Analytics platform making the data traceable and searchable. Using cutting-edge big data technologies, the PROMED Data Analytics platform can analyze vast amounts of data quickly and reliably.

REPORTS // DATA EXPORT // USER INTERFACE

Offering various data export formats, the platform provides an easy way to export raw or analyzed production data.

Users can additionally configure automated reports that - in addition to the analysis of production data, Overall Equipment Efficiency and Process Capability/Process Performance – can display custom analysis or production data. Reports can be configured to be automatically created and sent to specific users at a given interval.

Navigating through important production and analysis data is made easy by the user-friendly graphical user interface. There is no need to train a data scientist expert on complex SQL queries with the PROMED Data Analytics. Instead, loading, sorting, analyzing and displaying data is made as easy as possible by supportive dialogs that guide the user through the process.

Customizable real time graphs and dashboards assist users in the visual representation of the collected and analyzed data and let them focus on the most important aspects of their data.

HYBRID CLOUD OR ON-PREMISE HOSTING

The PROMED Data Analytics platform is CLOUD READY and offers a maximum flexibility regarding both deployment and use case. Alternatively, the platform can be hosted entirely ON-PREMISE instead of being deployed into the cloud.

A carefully, well-designed system and selection of used technologies provides easy scalability, LOCALLY and GLOBALLY. If your deployment reaches its maximum possible performance the platform can simply scale out by adding new compute resources. Tools and scripts make scaling out simple and low-risk.