



SPC

The module QS-spc allows the monitoring of the quality level during the manufacturing process. This control is based on the creation of inspection plans made up of attributive or dimensional characteristics. The SPC feature is progressive, depending on the progress of quality approaches or the requirements of your customers. This can range from a simple measuring process to ensure the traceability to the real time detection of SPC variations.

INSPECTION PLAN MANAGEMENT

- ✓ Creation and duplication
- ✓ Multi-environment management (machine reference plan, customer, supplier)
- ✓ Traceability of plans (track plan changes)
- ✓ Plan validation workflow

USE OF INSPECTION PLANS

- ✓ Multi-mode acquisition (manual, SR232, files...)
- ✓ Management via control chart (averages, individual values, EWMA, attributes, ...)
- ✓ Product / process multi-criteria traceability
- ✓ Introduction of performance indicators (Cp, Cpk, Cpm...)
- ✓ Real time acquisition through standard feature or performed upon request (Windows services)

MULTILEVEL INSPECTION PLAN ANALYSIS

- ✓ Analysis of the results based on multi-criteria evaluation :
 - . Analysis plan by plan
 - . Analysis multi-plan
- ✓ Statistical analysis per capability module
- ✓ Real time analysis, monitoring

SHARING INFORMATION ON THE WEB

- ✓ View control charts
- ✓ Multi-criteria analysis

MEASUREMENTS ACQUISITION

- ✓ The acquisition of measurements can be done several ways in QUASAR :
- ✓ Via manual entry : data entry is carried out by the operator via a keyboard or touch interface
- ✓ Via a RS 232, USB or file connection : these are connected instruments or multiplexers
- ✓ Via 3D machines : Zeiss, Mitutoyo...
- ✓ Via an external data import : Excel files, database...

SPC AND TRACEABILITY

To fulfill its primary function, the QUASAR SPC module collects data in large numbers. It then becomes a kind of "big data" in the field of company quality. It is a recording software (measurements related to traceability elements, MO number, material batch, workshop temperature...). All these data are correlated with each other, which makes it possible to make very precise operations by crossing the different criteria.

The SPC is a paperless system. Everything is centralized and computerized to perform analyses and edit reports. In case of a supplier, customer or internal request, the database and the multiple associated search criteria make it possible to find old information as quickly as possible. The SPC actively contributes to traceability in the company, which is an key component of any industrial production.



TRACEABILITY IN THE QUASAR MODULES



- ✓ Traceability of machine events
- ✓ Traceability of produced and/or non-compliant quantities
- ✓ Traceability of material batches and tooling



- ✓ Traceability of measuring instruments (status, location, administrative documents...)



- ✓ Traceability of incoming deliveries by measured data
- ✓ Traceability of the results and inspection reports (comments, documents, photos, etc.)



- ✓ Traceability of measurements and the environment of the measurement.



- ✓ Traceability of non-conformities and their origin.
- ✓ Traceability of the processing of non-conformities.

THE BENEFITS

- ✓ Speed up the continuous quality improvement process in production
- ✓ Replace defect detection with defect prevention
- ✓ Monitor in real time the variations of manufacturing processes
- ✓ Guarantee the traceability of quality in production
- ✓ Get the production staff involved with a follow-up of relevant indicators



9 MODULES TO MEET THE M.E.S NEEDS IN YOUR COMPANY

Initially expert in quality control and production management, QUASAR has progressively extended its functional scope to offer today a comprehensive M.E.S offer. Store all your production data in a single system linked to the company's information system (ERP, PLM, CMMS, etc.). Its wide range of features makes it a progressive and flexible tool that can easily be adapted to meet your company's needs.

QUALITY

- QS récep**
Incoming quality control
- QS nc/ac**
Management of nonconformities
- QS spc**
Auto Control in production and traceability
- QS métro**
Management of measuring equipment

PRODUCTION

- QS opé**
Manufacturing operation management
- QS fab**
Manufacturing monitoring, real time management

MAINTENANCE

- QS maint**
Maintenance management

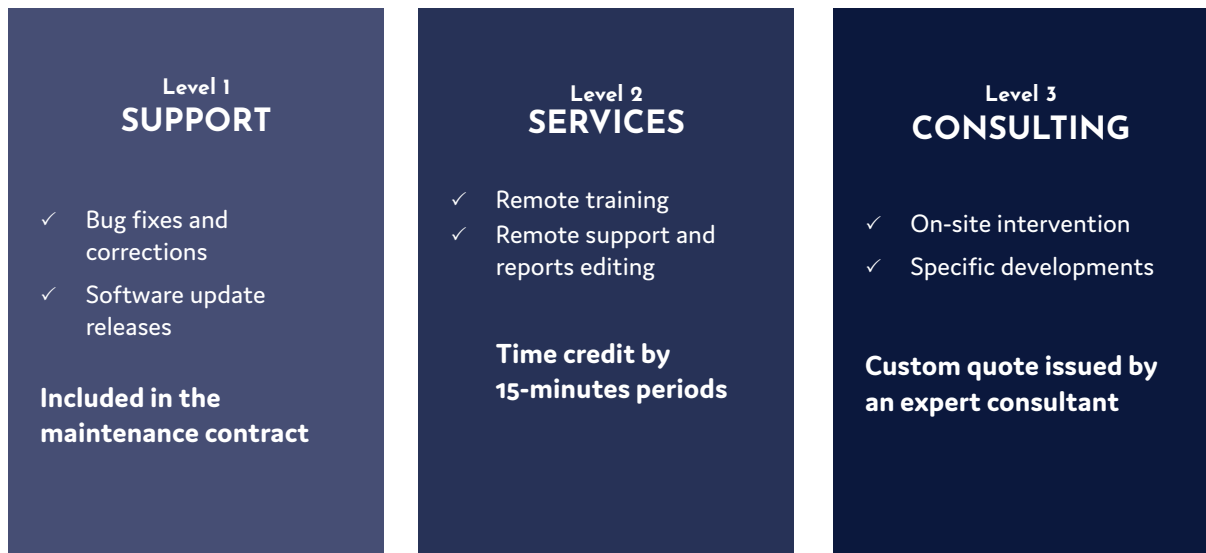
STORAGE AND ANALYSES

- QS ged**
Documents and data digitization
- QS bi**
Business Intelligence



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We offer three levels of services according to your support needs




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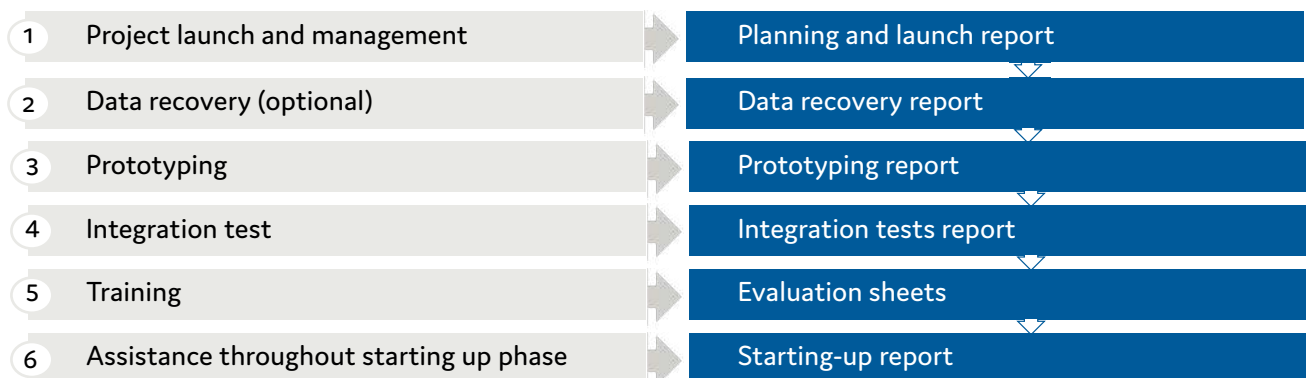

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PROJECT DEPLOYMENT METHODOLOGY

Business expertise

Client deliverables



THEY TRUST US



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AERONAUTICS AERONAUTICS & DEFENSE ACTORS



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Tecumseh

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QUASAR

MES / SPC

Leading actor in the digitalization of industrial activities,

we have been publishing and integrating our software in the fields of M.E.S., Quality Control and Manufacturing Monitoring for over 30 years.

To this day, there are more than 6,000 user stations throughout the world.



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years of experience



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of our clients would
recommend us



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clients

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