



# PRODUCTION MONITORING

QUASAR-FAB, from the M.E.S Suite QUASAR is a full web-based tool designed to manage the workshop and to monitor manufacturing processes, providing a quick and synthetic overview of all the events affecting the production units. The collection of workshop data is performed through direct connections to the machines or via touch interfaces.

Production indicators are available in real time, providing a view of the yield rates and a sense of the relevance of the action plans implemented.

QS-FAB allows to control the manufacturing process and contributes to enhancing the performance of your production units.

## PRODUCTION MONITORING

- ✓ Continuous inspection of the quantities produced : good, bad, manual rework...
- ✓ Machine timing and/or shutdown causes monitoring (adjustment, breakdowns, lack of material...)
- ✓ Real-time connection to machines and control devices
- ✓ Customizable OEE calculation
- ✓ Synoptique pour la supervision d'atelier

## TOOLING AND GRINDING MANAGEMENT

- ✓ Grinding plan
- ✓ Tooling monitoring on the workshop station
- ✓ Alert or blocking based on a counter
- ✓ Traceability of tool changes, single or multi-tool selection
- ✓ Tool change during production
- ✓ Association of a dimension/tool relation to optimize controls
- ✓ Generation of an additional SPC control during a tool change

## COMMUNICATION MODES

- ✓ OLE for Process Control
- ✓ Input / Output card

## SCHEDULING

- ✓ GANTT chart schedule
- ✓ Operation positioning
- ✓ Calendar management
- ✓ Manual modification of the schedule

## DOCUMENTS MANAGEMENT

- ✓ Storage of documents related to the production (plan, operating procedure etc.)
- ✓ View documents on production terminals
- ✓ Monitoring plan

## MATERIAL CONSUMPTION

- ✓ Batch number registration
- ✓ Bar code labels management
- ✓ Registering material non-conformities

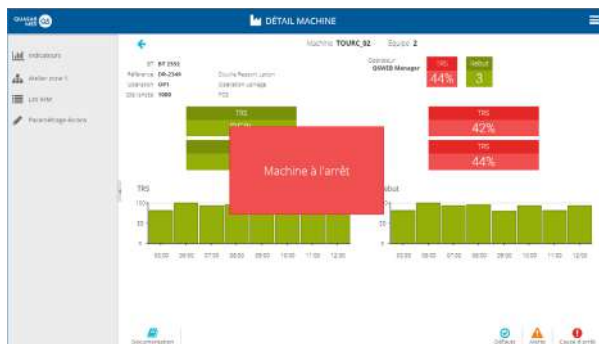
## ✉ VISUAL MANAGEMENT

### Indicators designed for the production team

The provision of QUASAR-FAB indicators in the workshop allows to involve the whole production team in the digitalization process thanks to the display of the manufacturing data. The data displayed is fully configurable.

The goal of visual management is to :

- ✓ Communicate as closely as possible with operators
- ✓ Enhance responsiveness
- ✓ Simplify the understanding and knowledge of the objectives...



#### Export and printing

Excel, PDF, Word, e-mail export. Multi-format printing with configurable fields



#### Library of standard dashboards

Many graphs and statement are available in standard

### THE BENEFITS

- ✓ A real-time overview of the machines' status in the workshop
- ✓ Measure the efficiency of the production (shutdown, scrap...)
- ✓ Monitor the progress of the MO (Manufacturing Orders) from the ERP
- ✓ Ensure the traceability of the production
- ✓ Have indicators available for operators and managers
- ✓ Simpler installation and deployment with the

Full-web mode

## 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

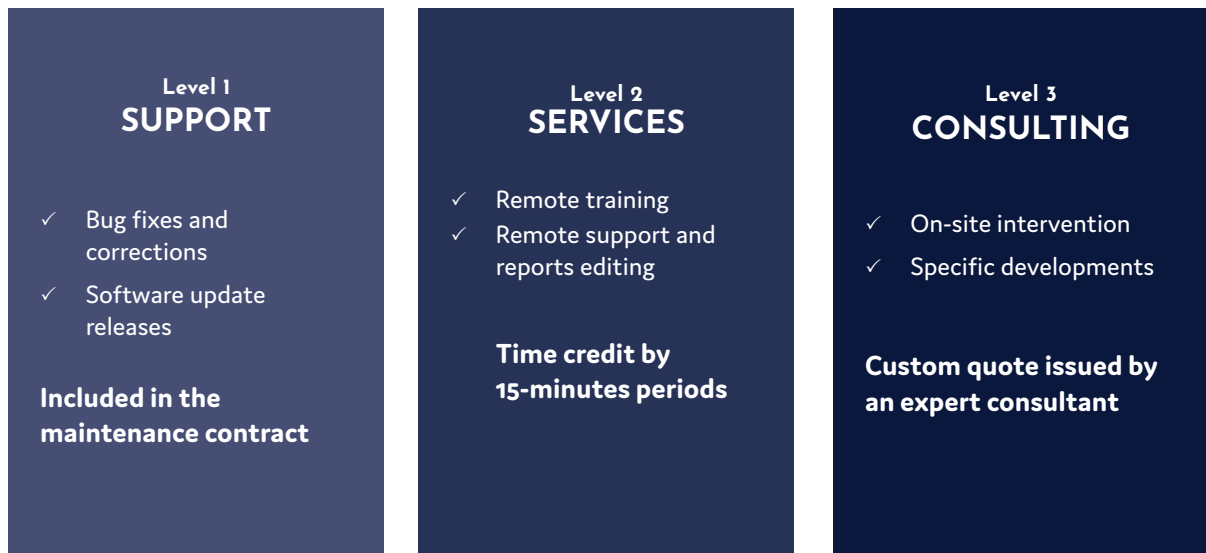
### STORAGE AND ANALYSES

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



# OUR SERVICE OFFER

We offer three levels of services according to your support needs



  
Responsive maintenance service with personalized customer care

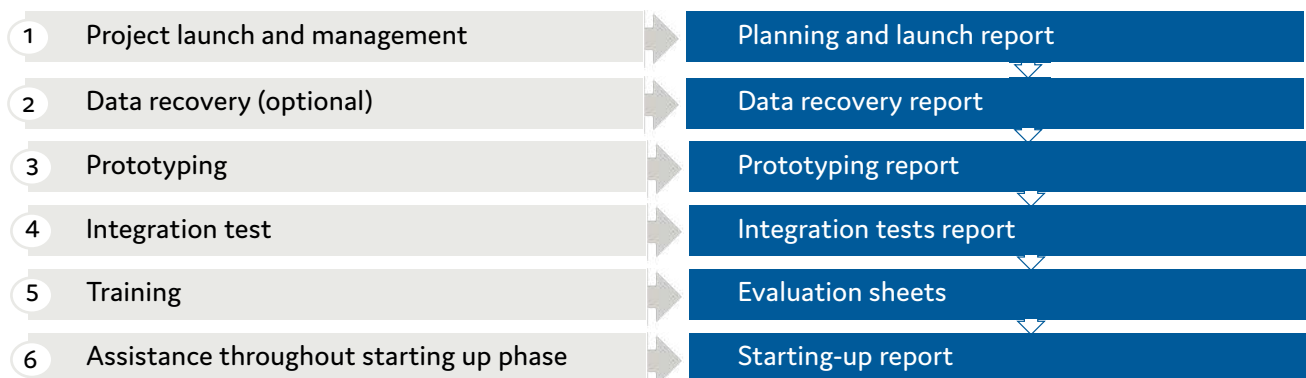
  
Regular version updates

  
Close relationship through our user clubs, themed seminars, newsletters...

## PROJECT DEPLOYMENT METHODOLOGY

### Business expertise

### Client deliverables





# THEY TRUST US



## AUTOMOTIVE EQUIPMENT MANUFACTURERS



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## ARMEMENT / DÉFENSE





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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  
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