



MES / Manufacturing Execution System

Working for 30 years in workshop management, OSYS, a MES pioneer, has established itself as a major name in MES production management in France and in Europe.

Its 1,600 customers and its expertise as French market leader make OSYS the ideal partner to guide you in such projects.

QUARTIS OPTIMA Web 2.0:

The complete MES solution enabling you to optimize your production facilities while benefiting from a very short return on investment (ROI).

Enhance production capital output:

- For productivity and performance gains, use real time production activity indicators for machines, operators, unplanned stoppages, etc.

Extend the value of your ERP

Feed actual workshop data to your ERP system, quite naturally and in real time, using "Web Services technology".

Facilitate communication

Increased and optimum communication in your business and workshop:

- Supervisors that can be customised by industry and employee category.
- Plans directly available from 10", 12" and 17" workshop terminals.
- Manufacturing procedures or processes can be directly displayed on Industriel Panel PC and Data Collection Terminals when the production order is triggered.

Our range of terminals



Reduce workload and leverage your organisation

- Our **Quartis Optima Web 2.0**, **Quartis Planning Web 2.0** and **Quartis Multimedia** applications and our range of terminals make your organisation easier while reducing your administrative workload.
- ROI guaranteed within a few months.



QUARTIS OPTIMA Web 2.0: a global and standards- based MES solution

Quartis Optima is a comprehensive MES solution in terms of:

- Hardware: from data acquisition machine to the use of industrial PC terminals.
- Software: standardised software meeting the majority of MES requirements.
- Services: audit, functional analysis writing, project management, development, installation, training, hot line, on-call service.

Scalable solution to new technologies

QUARTIS OPTIMA Web 2.0 has been designed to be compatible with and scalable to new technologies (Java development, Web screens, multiple databases and OS (Linux, Windows), multi-browser, etc.)

Our solutions are in keeping with a demanding and exacting technical environment.

A complete, integrated and scalable solution

To meet different requirements depending on your plant, **QUARTIS OPTIMA Web 2.0** offers various standard modules:

- Operator production tracking
- Production base tracking
- Supervision
- Quality monitoring
- Planning and scheduling
- Staff management
- Traceability
- Alarm management
- Production data overview via Intranet
- Event data gathering





QUARTIS your MES



Production personal workspace

Portal adapted to each user according to the rights that are assigned:

- Supervision of a manufacturing cell, a unit, an operator, etc.
- Workshop planning.

This portal can be configured per user.



Planning / Scheduling

Two modules are on offer depending on your needs:

- One manual, field-based planning module, very much geared towards operational staff and very quick to use.
- A scheduling module that manages secondary resources and constraints, etc.

Your production constraints can be managed in real time (optionally in assisted mode).

You can:

- Balance workloads and human and machine resource availability.
- Circulate and share information - the schedule can be seen by everyone on the basis of certain rights.

Its semi-assisted mode provides flexible organisation.



Traceability, process control (quality), tooling management, maintenance, documentation management, etc.

Quartis includes the above functions as standard.

These functions can be modelled to suit each industry or company using our QUARTIS TOOLS toolbox.



OPTIMA, solution

Data gathering



QUARTIS OPTIMA WEB 2.0 collects data (machines, operators) in real time to provide vital indicators on how production is progressing to Production managers. The operator module is available in option in the QUARTIS OPTIMA suite.



Supervision



A standard supervision module shows production indicators in real time: Performance synthetic rate, overall rate of return, quantities produced, good parts, rejected parts, etc. What's more, QUARTIS can be used to configure a tailor-made supervisor.



Production intranet



A production intranet may be integrated with Quartis Optima. A real productivity portal, it publishes, generates and circulates production indicators with the aid of a component library.

Comprehensive service option

The OSYS MES integrates with a comprehensive BODET service handling the following corporate requirements: human resources, time and attendance management, physical access controls.



Modelling your business or organisation

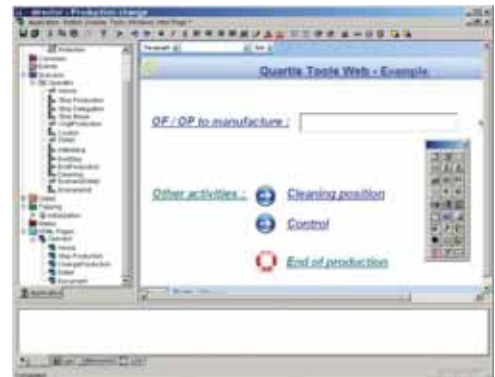
Using QUARTIS TOOLS, a patented concept, this toolbox module is an add-on or standalone Quartis Optima Web 2.0 module enabling you to model your application on the following bases:

- Business sector: food processing, desktop publishing, automotive, plastics, aeronautics, cardboard, etc.
- Manufacturing process
- MMI (tailor-made screen)
- Supervision, reporting
- Design, terminology, etc.

In a constantly-changing world where you have to stay on your toes, our solutions can be adapted at any time.

Technical architecture

The **QUARTIS OPTIMA** suite can be used through a web browser (Internet Explorer, Firefox, etc.) in Windows and Linux environments while supporting various databases (Oracle, SQL, etc.).



[Modelling a data acquisition screen](#)



[Modelling output](#)



OSYS, Your MES Expert within a European group

From the origins of Bodet (1868) to the birth of OSYS, we have kept our enthusiasm for innovative, well-designed and well-built products. The same thorough and demanding approach was adopted for our role as software publisher and production terminals manufacturer, ensuring the longevity of our solutions.

Our production expertise is guaranteed by over 30 years' experience in a wide range of fields.

Since the first SXAO® and SFAO® systems were created, OSYS has built up solid experience in supplying and implementing solutions.

Offering outstanding production expertise since 1980 in the following sectors: aeronautics, plastics, mechanical engineering, perfumery, luxury goods, food processing, printing/publishing, cardboard, pharmacology, metalworking, furniture and timber, automotive, textiles, etc.

OSYS offers you a solution and full expertise in implementing an MES:

- Project management
- Functional expertise
- IT expertise, with software designed, developed and implemented by OSYS
- Hardware terminals designed, developed and manufactured by OSYS
- Hot line and after-sales service.

Solutions oriented towards new technologies

Innovation has been deep-rooted within OSYS' values since its inception. Our innovation policy is continuous, year after year. The QUARTIS TOOLS concept has been patented.

Our research and development teams are at the leading edge of NICT. Our software and hardware solutions meet standards which in turn meet the most exacting of requirements.

Quartis Optima Web 2.0 interfaces naturally with the following ERP systems: **SAP, DIVALTO, SAGE (L100 and X3), SYLOB, MICROSOFT Dynamic, MISMO, LAWSON, MFG Pro, etc...**





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