Real time, simple, standard and economical MES software

to improve your performance.



SIMPLE BY DESIGN
INNOVATIVE BY NATURE

Astrée Software



A different vision of IT projects:

simple and fast, it's our commitment.

MES software editor, Astrée Software stands out by its strong capacity to innovate. We've always placed our founding values of innovation and simplicity in the heart of our development and our customer relationship. These values can be seen in our software Aquiweb, in the agile methods we've always used, but also in our marketing ways. These methods target a single objective: decrease the solution's cost for a fast return on investment.

Astrée Software's priority is to enable its customers to adapt in front of the market's constraints: costs pressure, delays... all the while, maintaining high level of quality and added value. In order to do this, Aquiweb software provides all the real time production data necessary for the good control of cost prices and process.

Astrée Software's team (80% engineers and an average age of 30 years) has the sense of service, taste for well done work and a fierce desire to innovate simply. Every year, we invest around 30%-40% of our turnover in research and development.

Founded by experts, Astrée Software provides turnkey projects from field audit to maintenance .
Our methods are adapted to the size of the project in order to assure its success and also agility expected by production team.

94%
customer recommendation rate

Follow-up quality

Our responsiveness and quality of service enable us to post a customer recommendation rate of 94% (result latest customer satisfaction survey).

Innovation

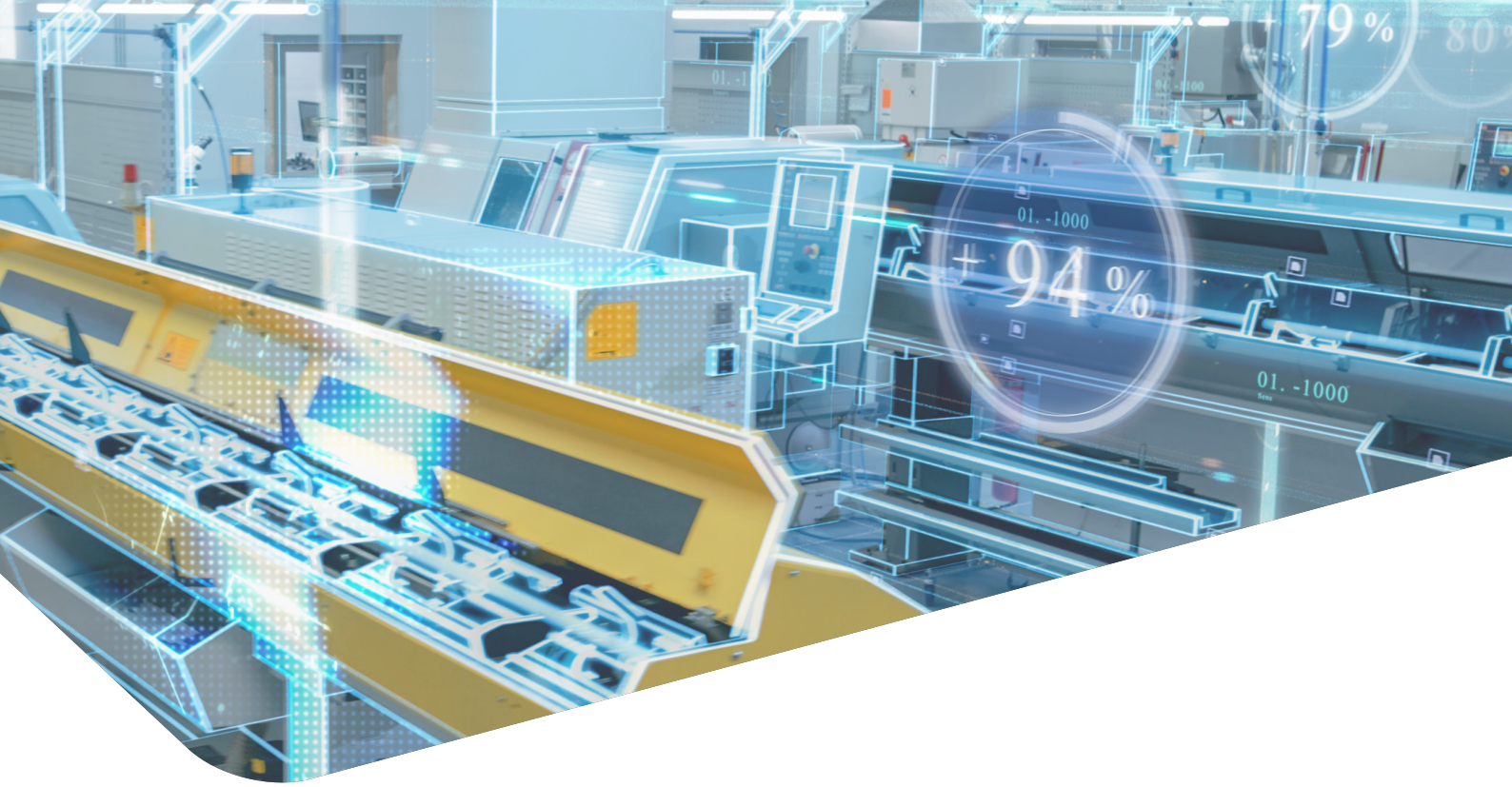
Every year, our efforts for innovation are recognized and rewarded with numerous awards. (GI Awards « Performance Productive»...).

Growth Champion

We post a strong growth recognized by the Rankings « Champions de la Croissance » Les Echos/ Statista from 2018 to 2023. We are the only MES software publisher in the ranking since 6 years.

Vitrine Industrie du Futur

We are the 1st solutions provider to receive the «Vitrine Industrie du Futur» label. This label is awarded to companies that have developed an innovative project for their production organization, often using digital technology, and placing people at the heart of the transformation.



aquiweb

Innovation & simplicity at the hearth of our strategy

We create smart factory

You free up 2 hours a day to your production team. Operators will focus on their main task : production. Managers will focus on continuous improvement projects and on their team's organisation.



Keep connected

Follow your workshop in real time and keep in touch with your team.

Keep informed

Have all information 24h/24h for decision making even if you are out of the plant/ in business trip.

Optimize your operations

Act all times to adapt production in order to reduce downtime and other types of production losses.

Organize yourself

For a paperless factory, WO and documents are dematerialized.

Aquiweb is recognized as the simplest and most ergonomic software for operators. The manager has a real-time view of the workshop from his tablet. Wherever he may be, all information is available, down to the smallest detail.

A simple, standard, economic web solution **to improve your production performance.**

The software complements management solutions such as the ERP (Enterprise Resource Planning) with which it exchanges data (product references, work orders,...). It is also compatible with all the ERP and CMMS.



In the workshop, the operator declares the WO or the references launched on a machine (which gives the target rate, cycle time and consumption). He reports his tasks. Aquiweb automatically collects the machine data (downtime and production times, good and bad quantities, energy consumption)

In the case of over-consumption, Aquiweb alerts the operator. It also informs him when autocontrol, self-maintenance or other tasks have to be done. Aquiweb guides the operator step by step and guarantees the traceability.

Aquiweb stores data in its database and displays them on real time web dashboards for the operator and for the manager. Aquiweb uploads production reports into the ERP system.



Dynamic display
to support continuous improvement methods and increase performance

aquiweb

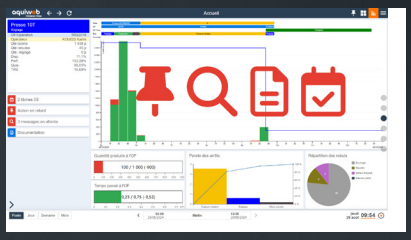
Aquiweb can be used as a support of the continuous improvement methods for the production management like 5S, SMED, OEE, TPM, PDCA, autocontrol, selfmaintenance, visual management...

Large-screen for real-time data dissemination and SMI animation.



aquiweb

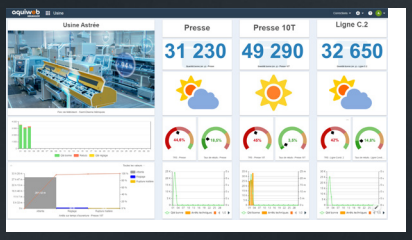
A global and modular MES software
for a gradual implementation.



aquiweb **Production**

Application dedicated to operators

for use in the workstation with or without a touch screen.



aquiweb **Manager**

Customizable web portal (no code)

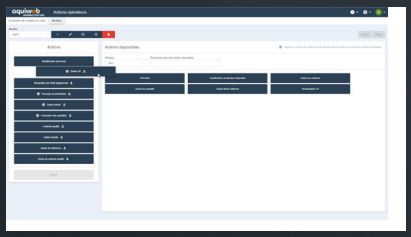
to generate, optimize, and analyze all factory data.



aquiweb **Display**

Dynamic display

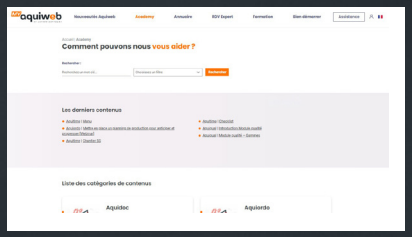
on large screens, support for AIC meeting animations.



aquiweb **Administrator**

System configuration area

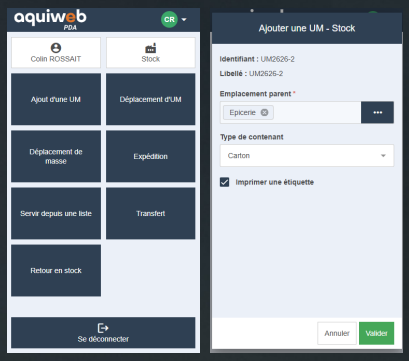
license management, user management.



myaquiweb

Community space

with an online academy.



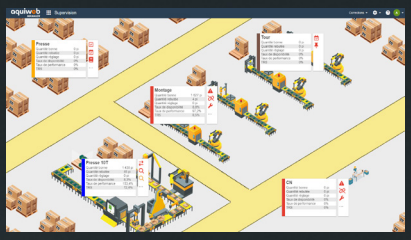
aquiweb **PDA**

Smartphone application

dedicated to performing actions in the workstation.



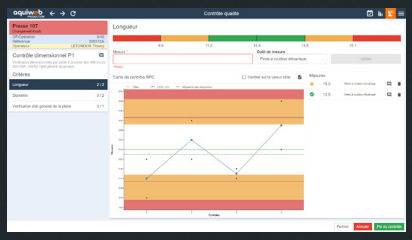
The functional features



aqui**time**

Production monitoring

Measuring OEE, downtimes, wastes, labor and tools. WO progress. Automatic data collect.



aqui**qual**

Quality management

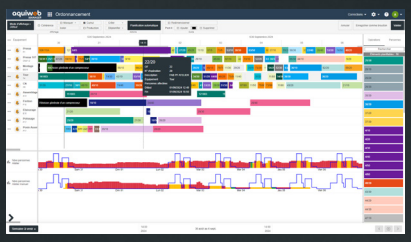
Guiding the operator in his quality controls, alert him if necessary, display SPC cards, non conformance form management. Compliance with the specifications.



aqui**maint**

Production monitoring

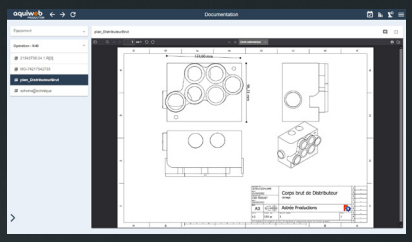
Alerting if a maintenance is required according to operating time or number of cycles to decrease downtimes.



aqui**planner**

Real time and connected schedule

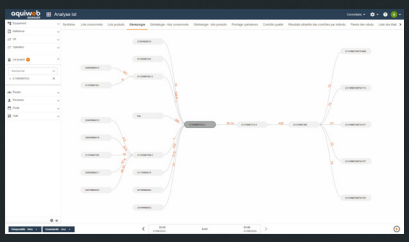
Having a reliable schedule with realtime workshops and ERP data Capacity/ ? analysis.



aqui**doc**

To display documentation

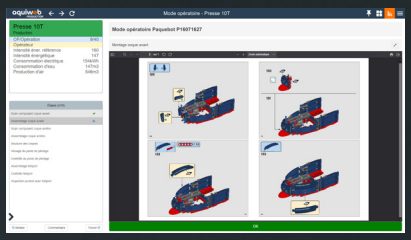
Making machine and production (plan, process) documentation available.



aqui**trace**

Traceability & genealogy

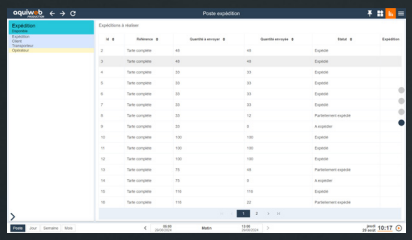
From receipt to shipment, traceability of the material, genealogy of the products, quality control, operator, labelling.



aqui**guide**

To guide the operator

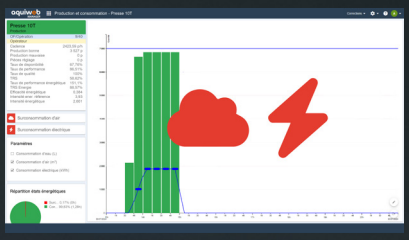
Assisting/helping to carry out operating mode (setting up, changeover), assistance step by step with documentation. .



aqui**stock**

Flow & storage

Managing, monitoring and tracking all the material flow and the storage from the receipt to the shipment.



aqui**energy**

Energy

Creating a consumption standard by means or by area. Managing, supplying indicators (EPI) helping you prepare ISO 50001..

Simple and intuitive
for operators

- Touchscreen input
- Bar code reader
- RFID reader
- Simple and visual web dashboard display

Green : the machine state is «production»

Real time production rates
_ Green: good parts
_ Red: bad parts
_ Orange: setting parts



Waste causes distribution

Real time Indicators
(quantities, times, OEE...)

Downtimes pareto

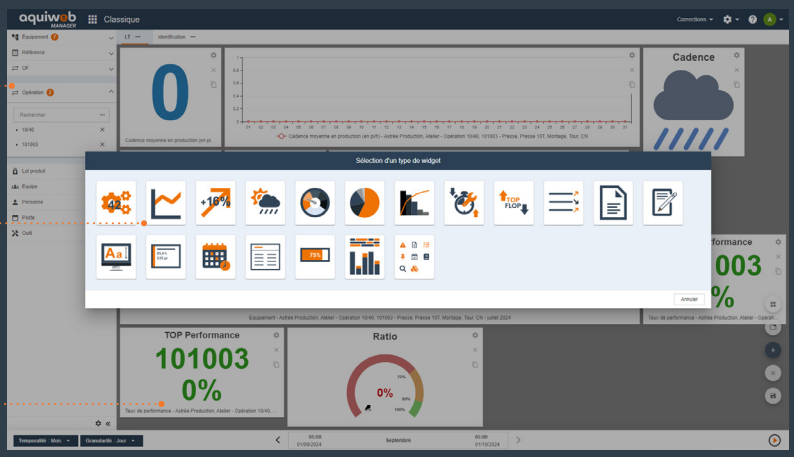
Easily customisable
for the manager.

- Full autonomy in dashboards and presentions creation
- Multi-axis data analysis
- Large-screen display
- Dashboard sharing

Unlimited number of dashboards

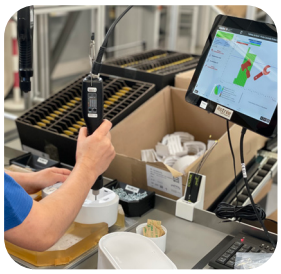
Widgets choice in a library

Indicators choice : graphical representation, analysis axis, temporality











Gains
for a quick return on investment



Real cost price monitoring
best margin control, competitively offer

Real time Indicators
(on WEB interface) to build action plan (improvement of the OEE : 8 to 15%)

Energy saving
8 to 10%

No keyboarding or re-keyboarding production data
at least 10K€ savings per year

Objective view of the production

Support of continuous improvement methods
OEE, TPM, 5S, SMED, Lean, PDCA

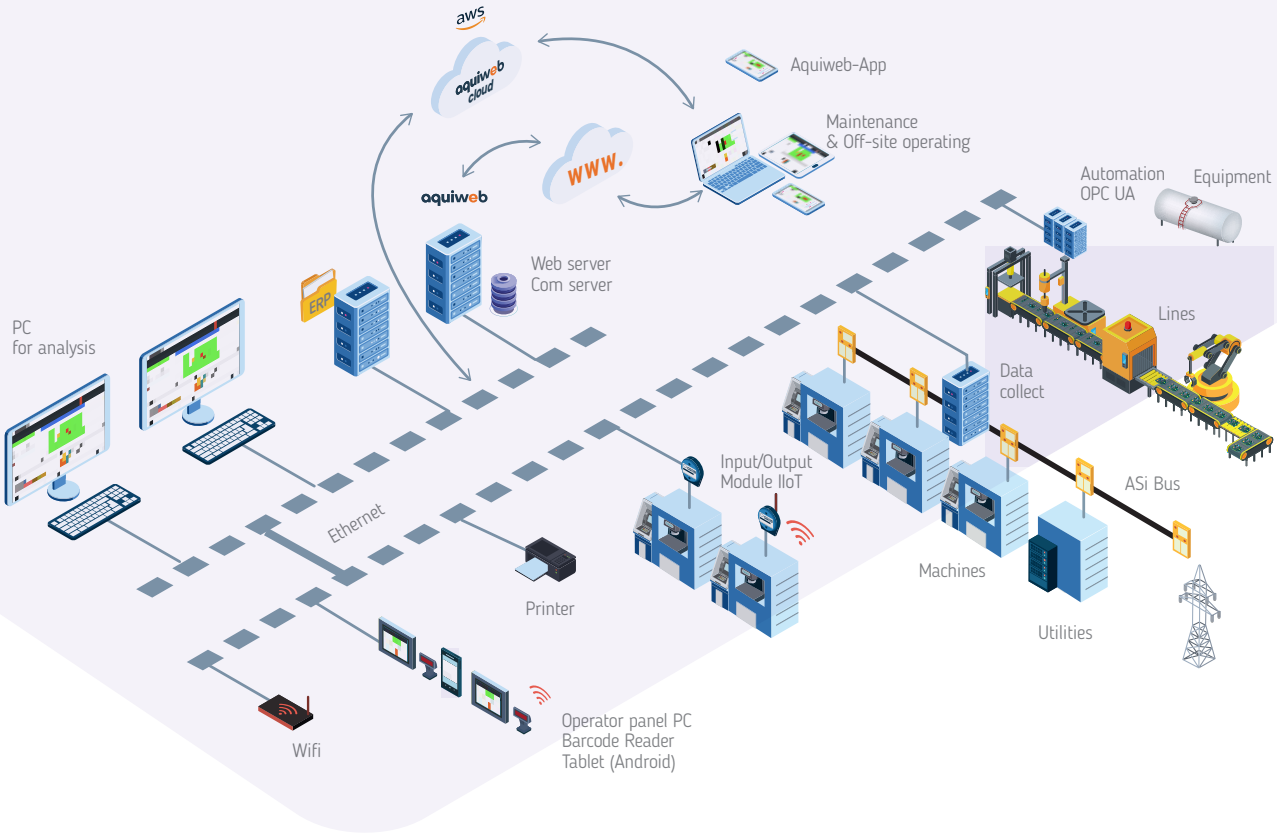
Reduction of the flow of documents

Reliable and real time datas to track down productivity sources
e.g., 50% reduction in start-up downtime on a packaging line

Guarantee customer specifications
by traceability and quality control

Avoid to invest in new machine
e.g., in mecanics:
120 h machine per month gain

Standard
technical architecture.



Panel PC,
tablets or smartphone:

touchscreen for an ergonomic use.

Bus AS-i , IIoT
or Ethernet station:

standard technologies for automatic data acquisition on machines, utilities, meters, non-intrusive system for the means.

OPC UA:

standard exchange with automation/ Ethernet connected systems.

Why an 100% web software

Greater compatibility:
general hardware, standard technology

Guaranteed scalability:
easy deployment

Simple implementation:
no need to install specific software on every workstation (the server is the only installed)

Simple access from all your connected workstations to server without installation



Cloud hosting

Benefits of cloud.

Supply, administration and maintenance in operational conditions of the outsourced infrastructure (no need to buy a server)

Guarantee of reliability: high disponibility infrastructure (replicated database and applications) in multi AZ (physical hosting in many sites)

Optimal performance guarantee

Greater scalability to adapt to your future needs (infrastructure scalable in terms of performance performance and power, without service interruption)

Hight security and data protection level

Compatibility with data systems acquisition: ASi Bus, OPC UA, Ethernet acquisition stations

Transparent use for the end user.

AWS (Amazon Web Services) hosting: choice of the market leader known for its reliability.

Service Level Agreement (SLA) associated

Subscription-based license

Purchase or subscription-based license

Subscription benefits:

- Limited investments
- Flexibility for a better adaptation to changing needs
- Cost of Aquiweb upgrades is integrated
- Only 12 months commitment



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