

VMES4.0



'YOUR ALLY TO MANUFACTURE MORE EFFICIENTLY'

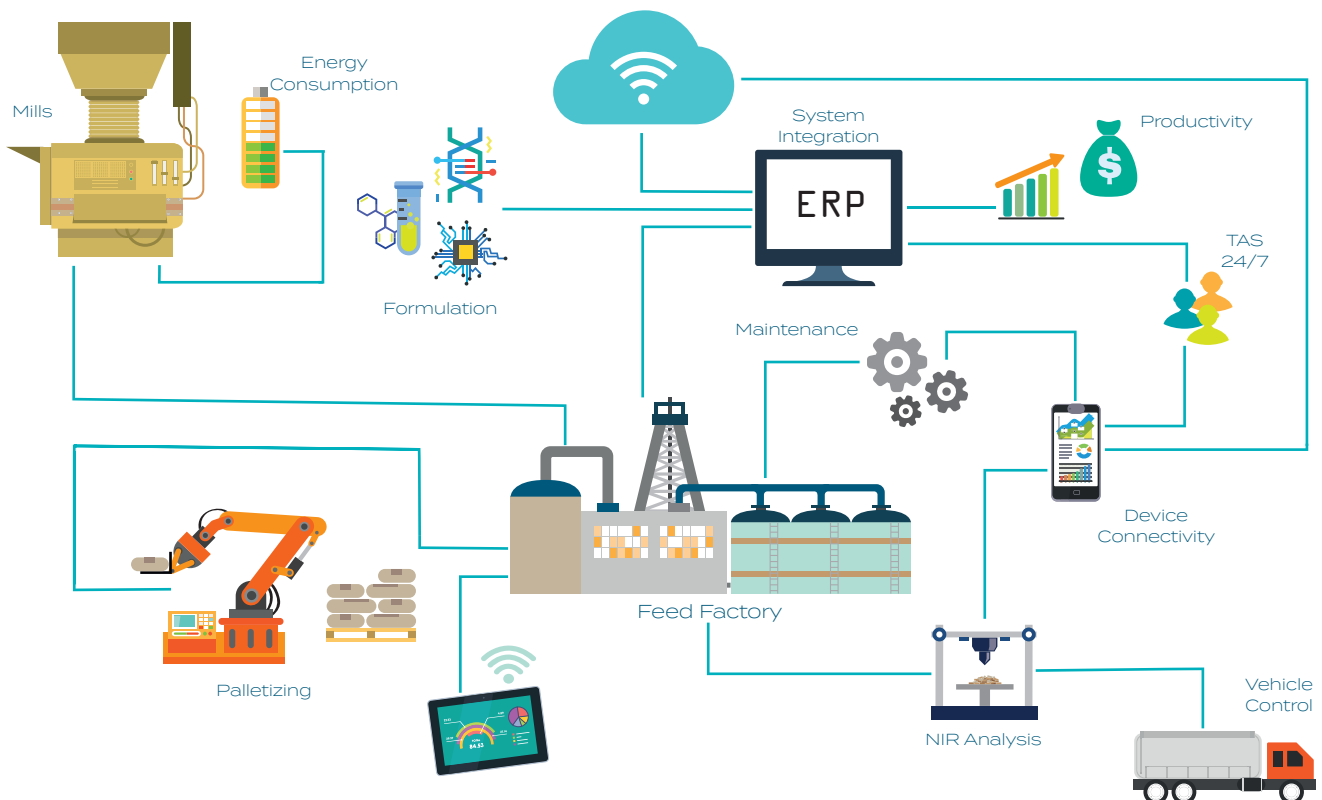
THE NEW CONTROL PLATFORM FOR YOUR INDUSTRY 4.0

OPTIMISED AND EFFICIENT FEED PRODUCTION

✔ A source of **competitiveness for manufacturing aligned with Industry 4.0**: the new Manufacture Execution System (M.E.S.) **VMES4.0** improves productivity, quality and helps meet demand more accurately and profitably.

✔ Allows us to **extract reports** on productivity, efficiency, historical records, or even **user-customized reports**, performance studies, cost analysis, and expected production times by formula.

✔ **Reduces labor and energy costs.**



✔ Facilitates **better and faster business decisions.**

✔ It offers the possibility to **design, produce and sell products in less time**, being able to create shorter and more profitable production series.

✔ Enables a more personalized customer service, giving the ability to **adapt to demand.**

Data analysis. All the necessary information for decision making.

Customised reports using the report editor.
Business dashboards -KPIs-.
OEE factory efficiency measurement.
Multiplant system comparing several plants and productions.
Pivot Tables and data mining.
Assistance in decision making.



Productivity. Production improvement thanks to the data of the whole process.

Analysis of production data, KPI, yields, bottlenecks.
Productive analysis by lot, by article, etc.

Integration. All your industry systems connected to the VMES4.0

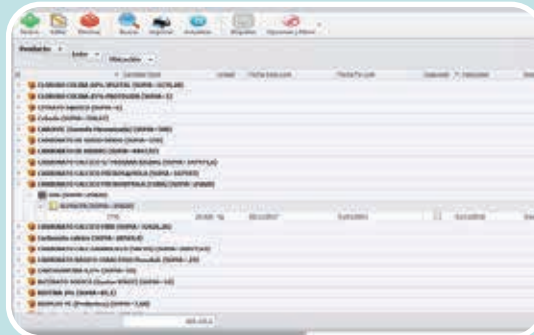
Interconnection with other systems by means of a specific motor, supporting a multitude of formats.



- ERP/Administration
- Logistics
- Third-party machines
- Formulation
- Data Analysis
- Other systems

Quality. A complete solution that allows total traceability of the product.

Integration with NIR system.
Sampling management through 2D ONE READ labels, GS1; all the information in one reading.
Management of medicated feedingstuffs, prescription and electronic signature.
Generation of all documentation for transport.
Management and control of the disinfection gate.



Stocks. Complete vision, management and control in real time of the stock

Organization of plant supplies.
Forecast of raw material consumption and management of minority warehouses.
Control of entry of minorities through 2D ONE READ labels, GS1; all the info. in one reading.
Real time stock counting, by means of specific batch control algorithm.
Forecast and control of shrinkage, thanks to powerful algorithms for calculating movements.
Complete traceability, ascending and descending.
Audit at any point in the process.



Formulation. Total assistance for application, versioning or recalculation of formulas.

Versioning of imported formulas.
Recalculation of formula by modification of ingredients.
Integrated: Brill, Setna, others.

Premixes and minority components. Assisted operator at all times.

Specific functionality with assistant guide to the operator to follow the formula in the assumed manuals.
Manual contributions, silo loading and premix controlled with 2D ONE READ labels, and scale weights.



Transit. Total control of the vehicles circulating in the plant.

Management of circulating vehicles by means of RFID cards.
Optimisation of the use of weighbridges and loading areas.
Loading and unloading assistant, generating groups of orders per truck.



Maintenance Management. Optimization of maintenance without interruption of production.

Operation time control of each machine.
Preventive maintenance planning.
Plug and play in breakdowns.
Spare parts management.
Reports and analysis of stoppages.



SAT 24/7 A technician at your disposal at any time.

Technical assistance service 24 hours a day, 7 days a week, 365 days a year.

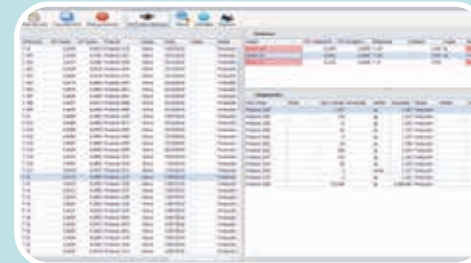
Mobile connectivity. All the information in your hand, in real time.

Reporting and alerts to mobile devices.
Check the status of factory modules, latest production parts and global analytics.
Management and recognition of alarms.
Control panels -KPIs-.



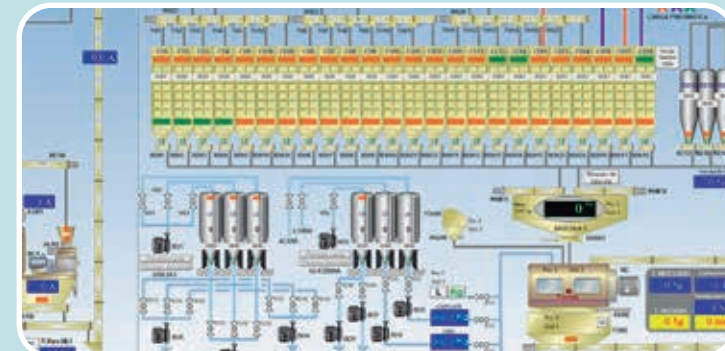
Energy Efficiency. Total control and optimisation of energy consumption.

Control and optimisation of energy consumption.
Intelligent control of not exceeding maximeters.
Ratios of Kw/tn by formula, version and order.
Consumption reports by sections, engines...



SCADA. A total vision and control of the plant and machines.

SCADA system remotely accessible, helps in maintenance tasks.
Operation in 3 modes: automatic, manual and maintenance.
Full factory display.
Control of each of the parameters of the different machines; operation on any of them.
Parameterization in real time.



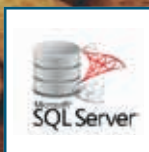
Production. Total assistance to the operator for the production control.

Production Planning Assistant.
Production order engine with multi-orders linked, by formula, line, machine, etc.
Biosafety control, cross-contamination prevention. Incompatibility tables.
Multi-origin, multi-destination and multi-dosing.
Specific centralised granulation control.
Personalization management of operations by order and formula.





is a software by  voltec



A software that is born from the experience accumulated with more than 40 factories working with VOLTEC MES systems.

Some of the Clients who have trusted us:



AN OUTSTANDING CHOICE:

- Personalised advice and study of the project.
- Software developed using .Net technology.
- Design and implementation by multidisciplinary team.
- High-end PLC automatisms, Rockwell or Siemens.
- Complete turnkey solution.
- Operational excellence, compliance with regulations and quality of the manufactured product.

QUALITIES:

- Aligned with Industry 4.0
- Easy and quick to use, guided by wizards
- Elastic system to grow with the project.
- Total control of the factory in real time.
- Complete operation with mobile devices.
- Development compatible with virtualization and integrable.
- Online vision of the entire production process.
- On-site operational risk management.



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