



SEGA SIM

SEGA SIM is the system of Simulation for logistics processes, which aim to save time, effort, money and risks. It is perfect for validations previous to strong investments, processes with a mixture of different order typologies, management requirements, restrictions, processes where increase the resources is difficult/expensive, and operations with a tight temporal schedule.

ADVANTAGES

Certainty that the design shall succeed before invest:

- Assurance with low cost, as simulator represents a very low percentage of the total investment.

Possibility to divide supplies amongst several suppliers without fear to an

impact on the overall productivity:

- Requirements by subsystem vs global requirement.

If the simulator achieved is realistic, it will be used when installation is working. In that event, it shall quickly validate:

- Behaviour before new scenarios (sale increase, change of the order mix...)
- Some minor alterations in layout.
- Improvements/falls in productivity.

Any element can participate in the simulation:

- Working station (operators, productivity by operation).
- Buffers (structure and capacity).
- Storage (structure and capacity).
- Box transport system/pallets (design, speed by sections).

- Mini-loads, shuttles, pallet silos (storage structure, speeds, translocation capacity...)
- Operators with or without loading vehicles (productivity per operation).

FEATURES

- Validates the design, at layout and process level.
- Performs checking with real order data.
- Boasts algorithms which consider relevant variables and full process.
- Evaluates different scenarios (data or layout).
- Generates results for a detail analysis.
- Allows design adjustments and changes.

SEGA VTE

VIRTUAL TEST ENVIRONMENT

SEGA VTE enables:

- Test all WMS over a virtual physical installation.
- Emulate the work of all automatisms with enough reliability.
- Emulate the work of all operators with average productivities per operator.
- Check with real data (masters, orders) the real performance of the overall system.
- To fulfil its task without physically moving a single box and repeat as

many times as required in order to have an optimized configuration and data.

ADVANTAGES

Saving in the implementation

- Great savings in the setting up.
- Reduction of the time schedule of the project, it is approved simultaneously to the automatism assembly.
- Reduce the amount of physical tests.

Less risk

- Enables to do more realistic tests, of higher volume and complexity that within the physical environment; possibility to repeat several times.
- The tested WMS is the same that will be put on production.
- Allows easy control of new parametrizations, new order sets, etc. in a quick and economic way.
- Allows validate new versions of WMS software.

