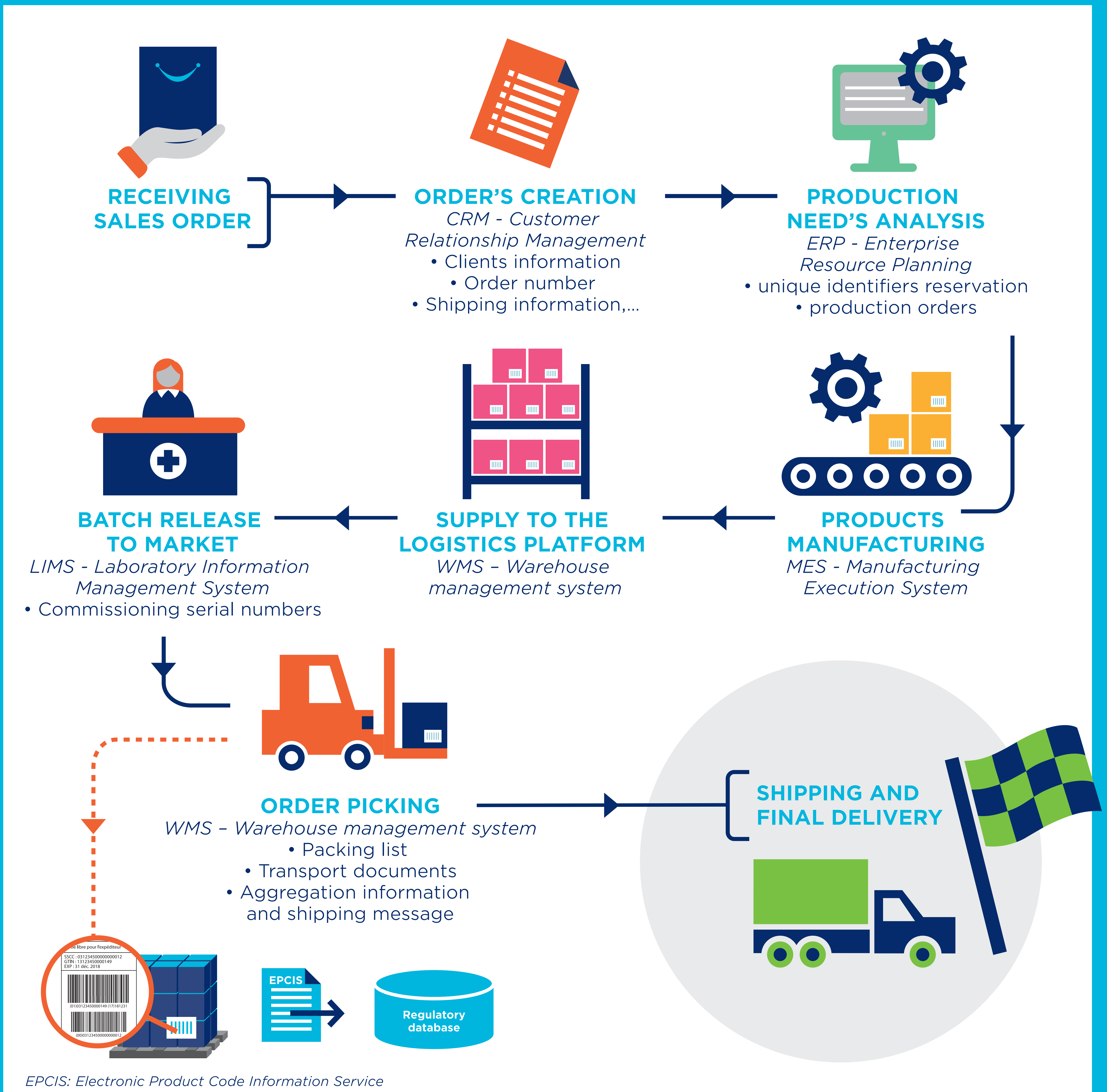


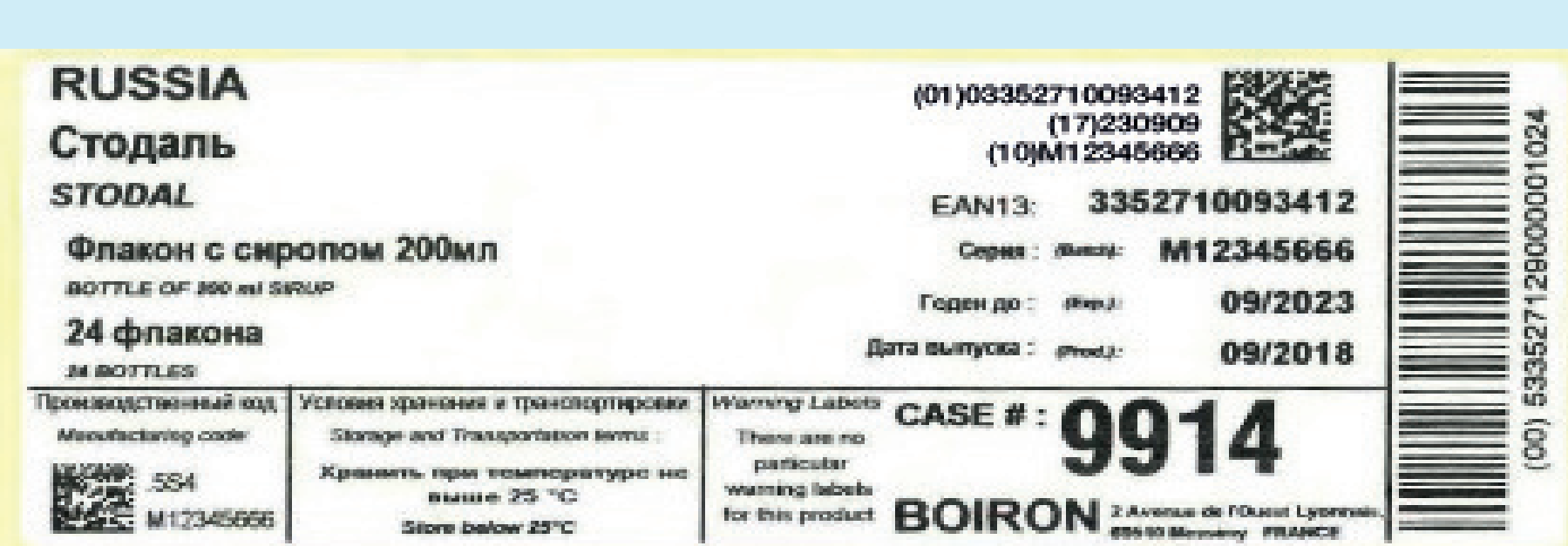
Implementation of logistic aggregation with GS1 standards



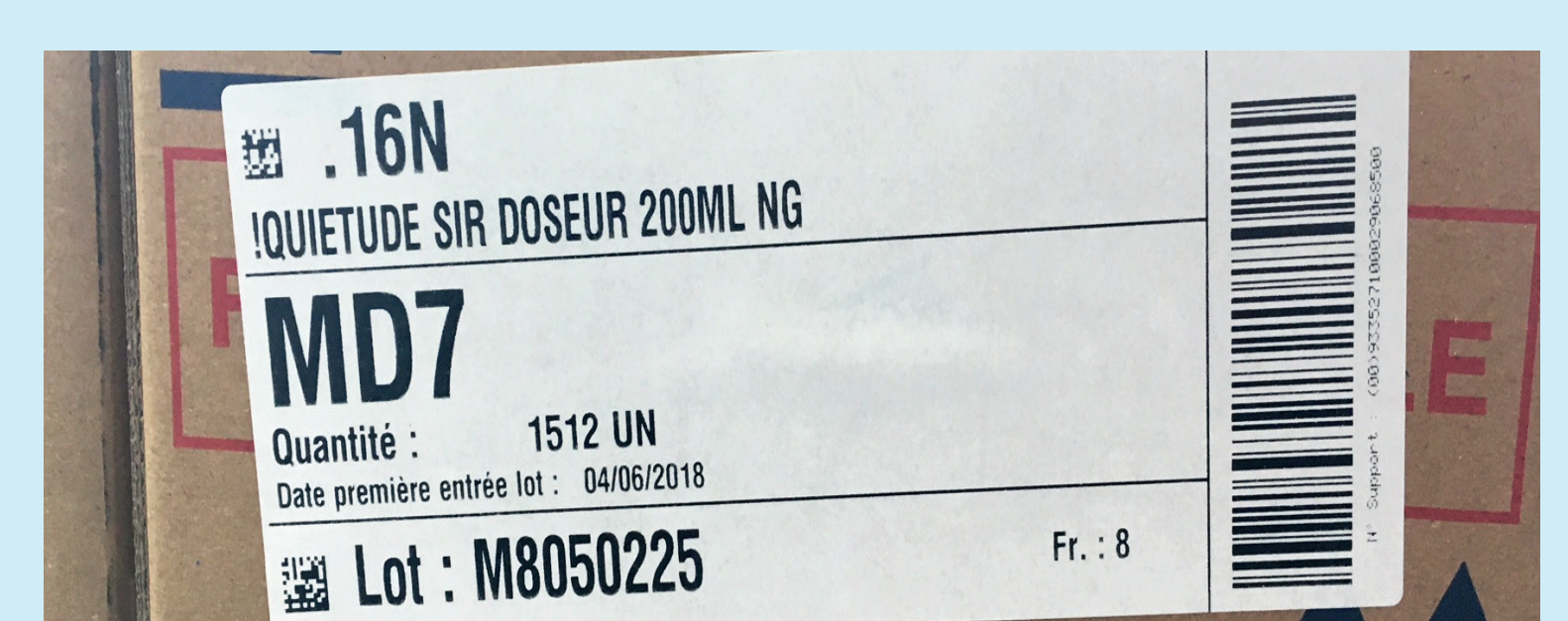
Aggregation recording



Serialized boxes



Serialized cases



Serialized pallets

Observations for 1 packaging line

Performance

Serialisation: no loss of performance
(Change in software, cameras and print modules)
Aggregation: performance loss
(1 sec per cycle dedicated to controlling and recording serial numbers)

Rejection rate

Increased, due to new eject modules for aggregation and verification of serial numbers for serialisation

Cost impact

+300 k€ (aggregation vs serialisation)

Traceability / Logistics Optimisation

Improved (Return/recall)

Implementation time

6 months (for serialisation and aggregation)

