



Customers all over the world

More than 650 lines installed in 29 countries



References























































































Challenges faced by glassmakers

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How to produce the strongest and lightest articles?



Technical

Challenges faced by glassmakers

How to produce the strongest and lightest articles?

How to produce articles with the maximum quantity of cullet?



Technical



Economic

Challenges faced by glassmakers

How to produce the strongest and lightest articles?

How to produce articles with the maximum quantity of cullet?

How to reduce carbon footprint in glassmaking?



Technical



Economic



Environmental

Key to success for Glassmakers =



Vertech' accompagnies glassmakers



As world-leading software provider, Vertech' provides glassmakers with all the keys to find the perfect balance.







Vertech' accompagnies glassmakers

Going beyond current frontiers of development



25 % of turnover invested in R&D

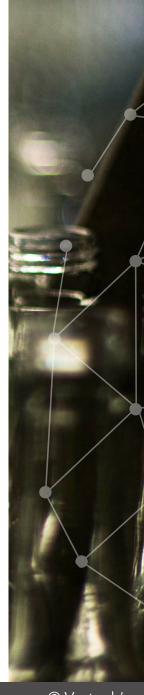
- Keeping on innovating and searching for the best solutions adapted to glassmakers' reality
- Being aware of the latest innovations to offer state-of-the-art technologies

Vertech' accompagnies glassmakers

Capitalizing on Vertech' experience and know-how

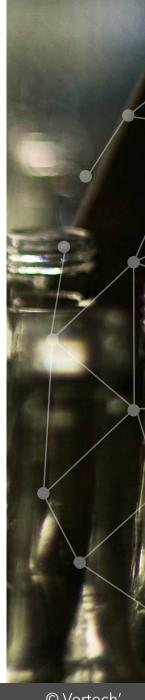
- Consolidating long-term expertise
- Listening to **glassmakers' needs** and requests
- Maintaining reliable relations with partners
- Holding trustful collaborations with clients

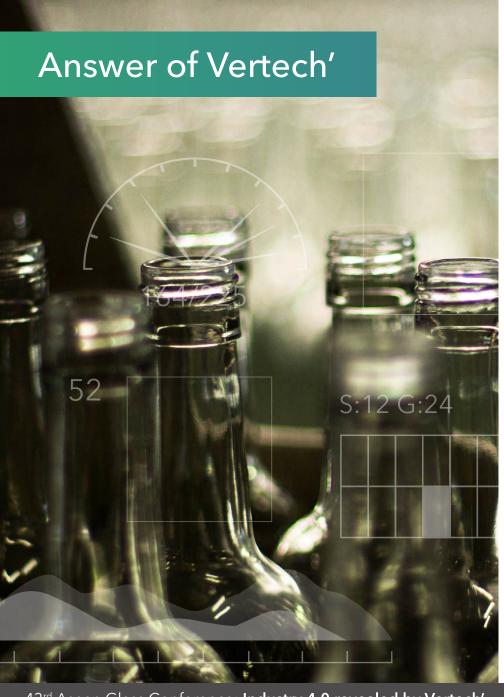






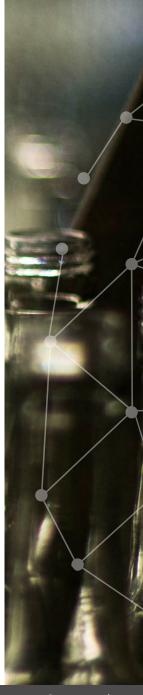






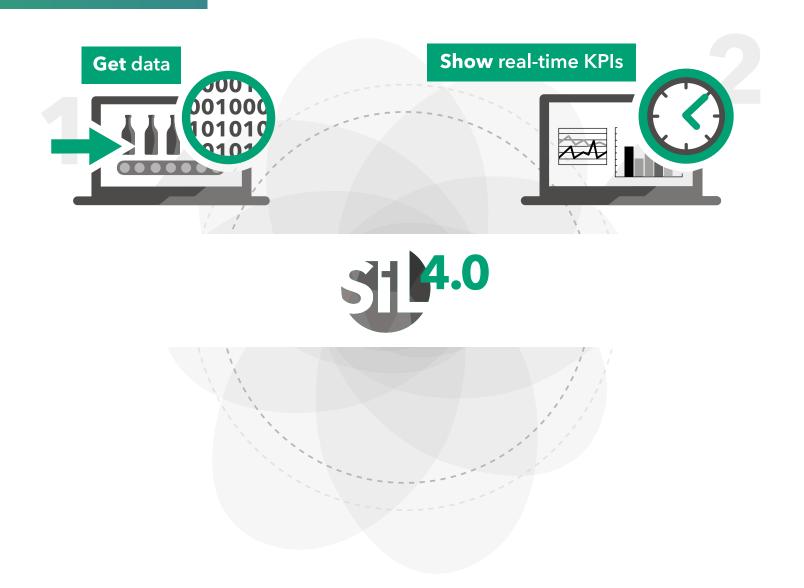


is the answer of Vertech' to challenges faced by glassmakers

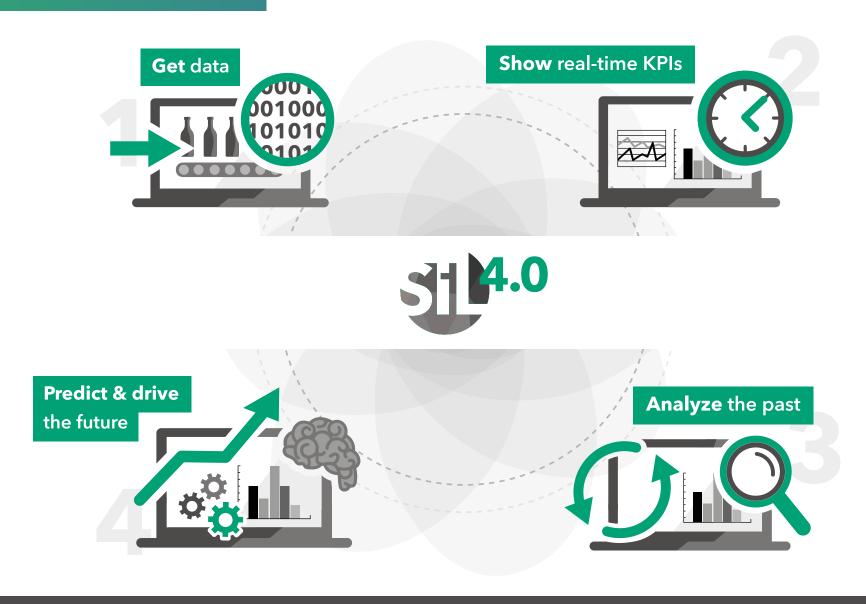






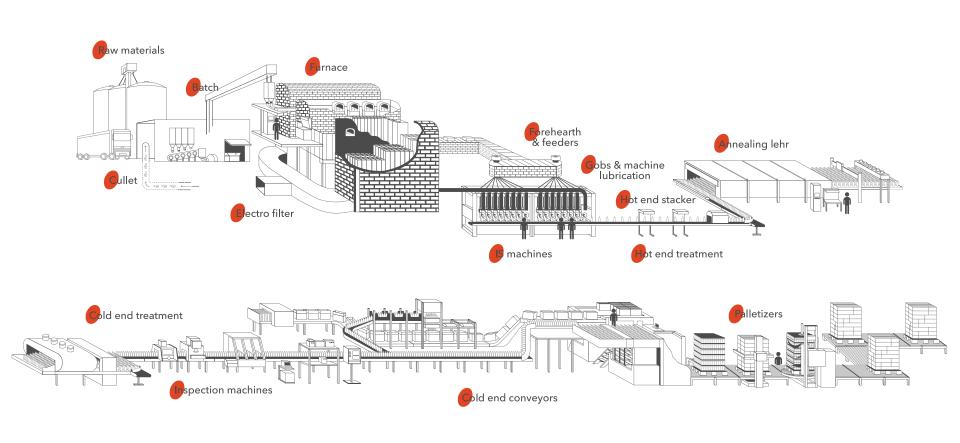






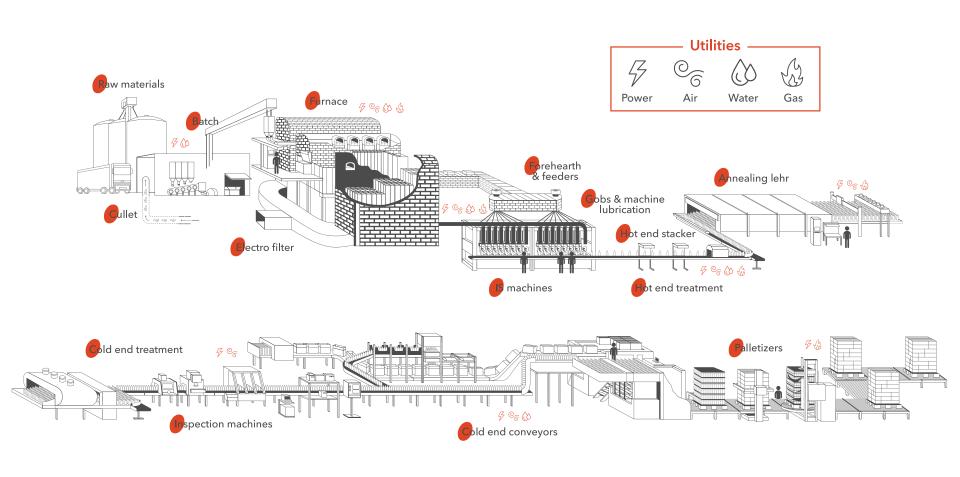
Where does SIL4.0 acquire data?

Everywhere in the glass plant where sensors can be connected!



Where does SIL4.0 acquire data?

Everywhere in the glass plant where sensors can be connected!



Communication Protocols

Vertech' adapts to all communication protocols:

- Modbus
- Webservices
- OPC-UA
- Database queries
- Profibus
- ...

...and can even help glassmakers develop **their own protocol**.



Bi-directionnal communication

SIL gets data from sensors and machines... but is also able to send information to machines

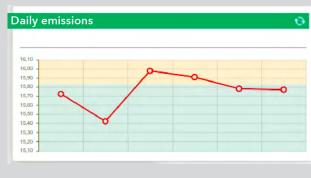
- Settings to IS machine
- Temperature to the lehr
- ...

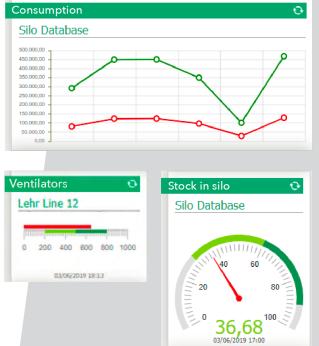


How are data displayed?

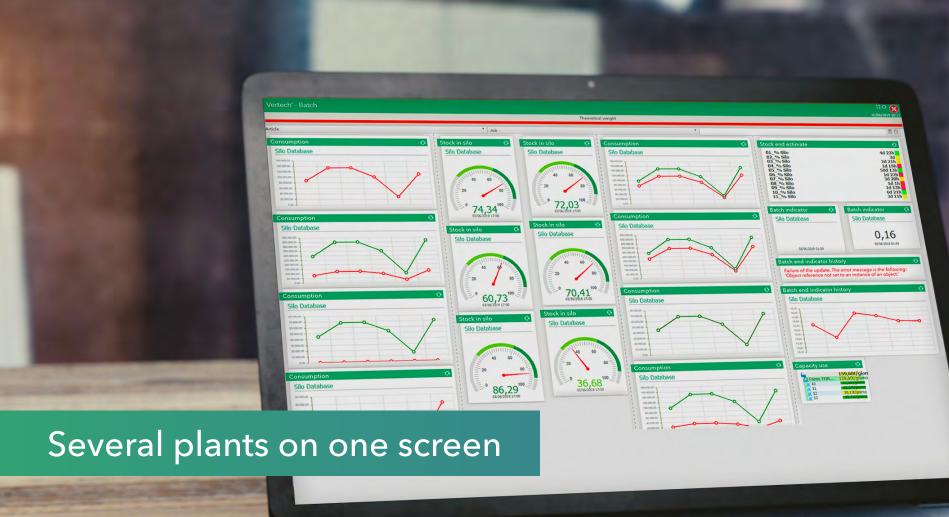
KPIs are displayed on customizable dashboards:

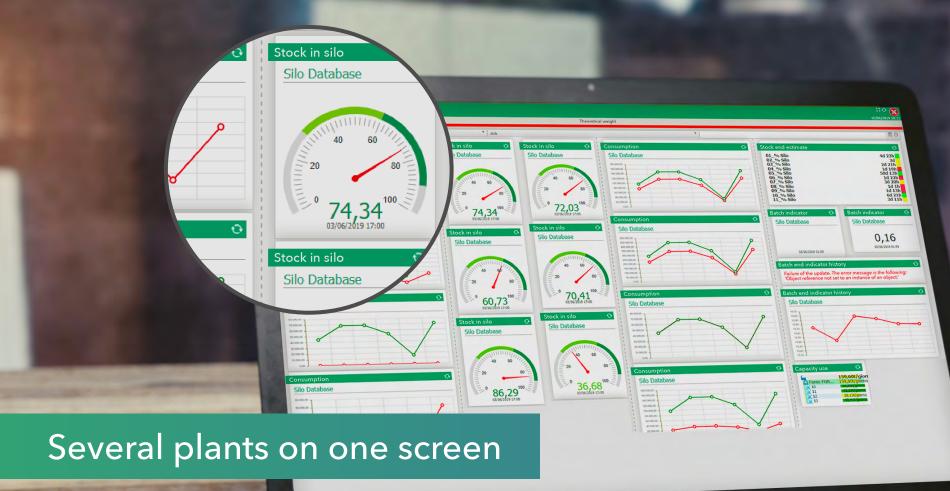
- Stock of raw materials
- Temperature in the furnace
- Temperature in the lehr
- Daily CO2 emissions
- Belt speed
- Consumption
- ...



















In progress...

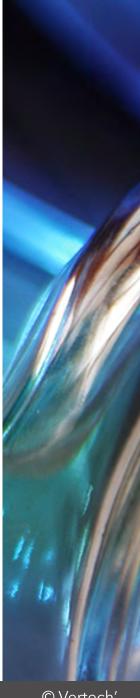




"Finding correlations in order to predict the future"



In progress...





"Finding correlations in order to predict the future"



In progress...

Close collaborations with research institutes and glassmakers

