



Data Intelligence in
manufacturing

From analogue to digital. The story of a South African production plant's Digital Transformation



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Our client is a South African leader in tile and construction adhesives with a track record of more than 4 decades. The company specialises in tiling installation materials, tiling tools, and building solutions and is renowned for the quality of its

products. It is the brand of choice for tiling contractors, architects, and specifiers as well as DIY tile installers.



The Problem

The client wanted to transform an analogue and paper-based production plant into an automated digital industry 4.0 plant. Running on legacy manufacturing systems, they needed systems that could operate autonomously from their ERP as they were looking for alternative systems.

There were many areas where the OQLIS solution provided cost-savings for our company.

It's a no-brainer.



- Financial Director for a Leading Construction Adhesive Company

- They had invested in equipment that could generate data for reporting, but the data was not being collected. However, much of the older equipment needed to be retrofitted with sensors.
- They had already started a “digital transformation” in the office environment and wanted to replicate the benefits on their manufacturing floor.
- Reporting was backward-looking (from one day, all the way back to a month), making it difficult for managers and executives to know what was happening in the plant, they wanted to know in real time where the bottlenecks were and fix them on the fly.
- Their customers had punitive recourse contracts if products and production were not up to standards, which was proving to cut into their profits as they needed to learn what equipment or by which operator any items were produced.
- They had no real-time view of raw material usage, everything was stored on a Microsoft Excel sheet which was manually updated during a shift.



The Solution

OQLIS created a laboratory management system to track the quality of raw products moving through the plant and assign these raw materials and unfinished items to the final product. They mapped experiments and tests throughout the process to the system so the quality could be monitored in real time.



They connected all the machines in the production plant to a central database.

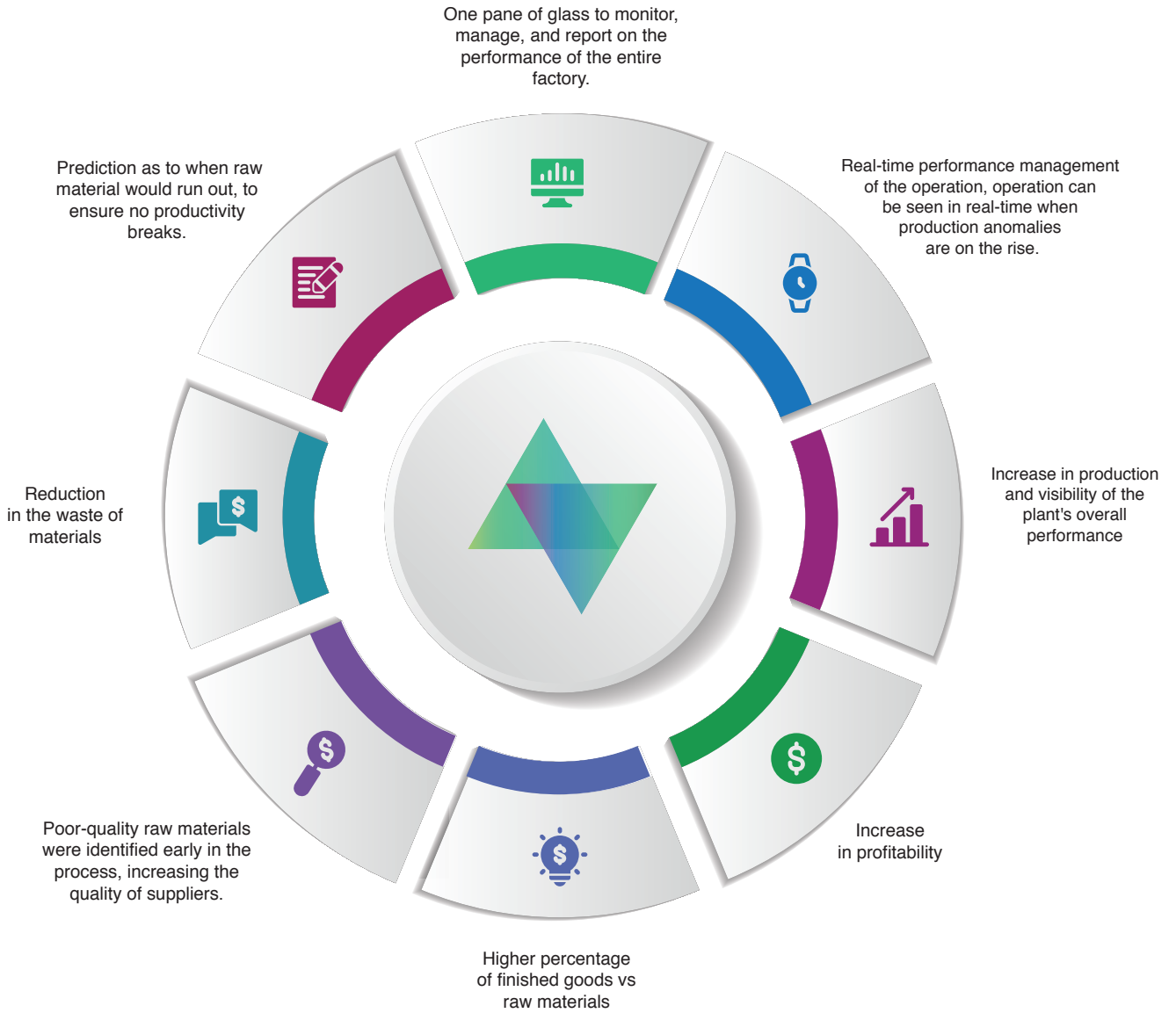


The client now used the OQLIS data intelligence platform to provide data in real-time to operations, sales, and management.



They defined industry key performance indicators (KPIs) for all staff in the factory to understand.

Outcomes and Benefits



Reach out to a data analyst today:

hello@oqlis.com

Check out the dashboard

oqlis.com