Advanced Analytics *O*

Supporting Plant Support

Tom Ploeger December 12, Köln

NUTRITION • HEALTH • SUSTAINABLE LIVING

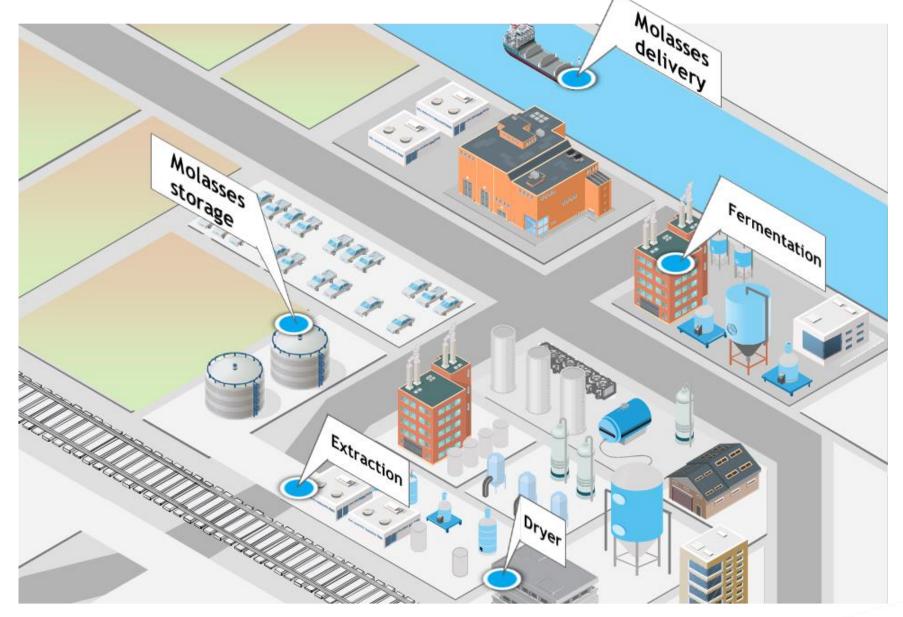




https://www.analyticsinsight.net/wp-content/uploads/2018/07/Big-Data-in-Automotive-2-1024x555.jpg

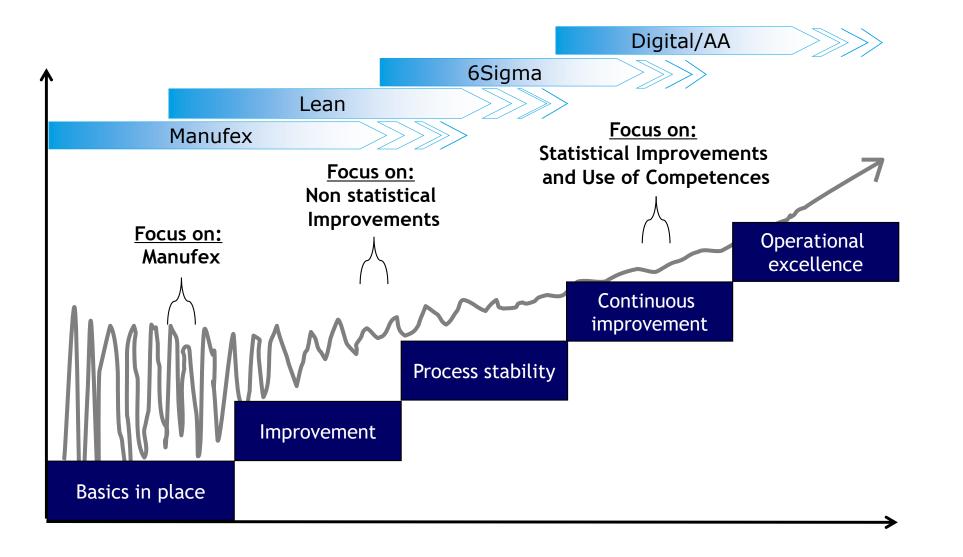


Yeast Extract Plant, Delft, Netherlands,



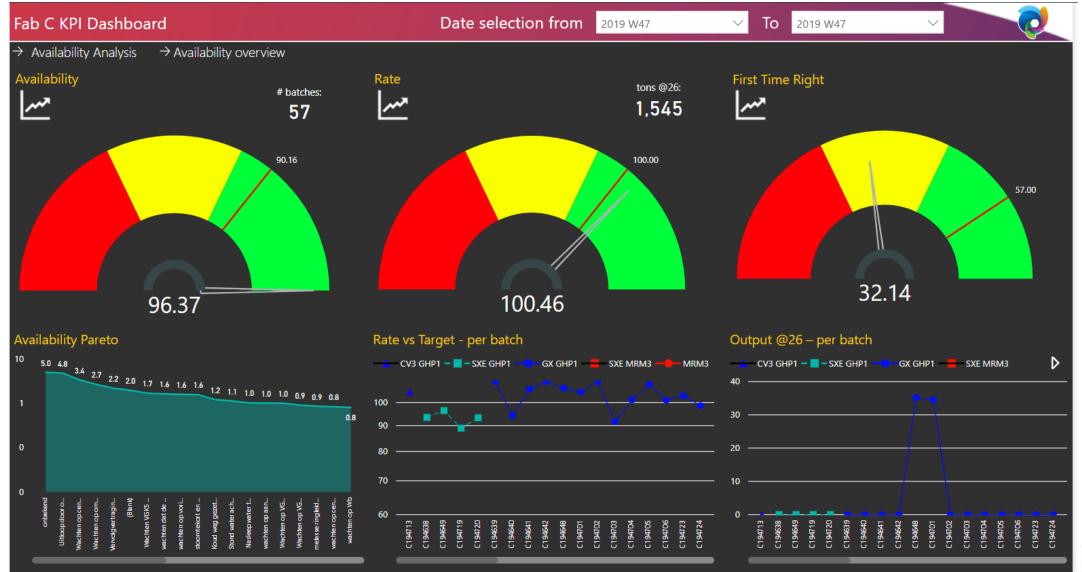


The road to operational excellence



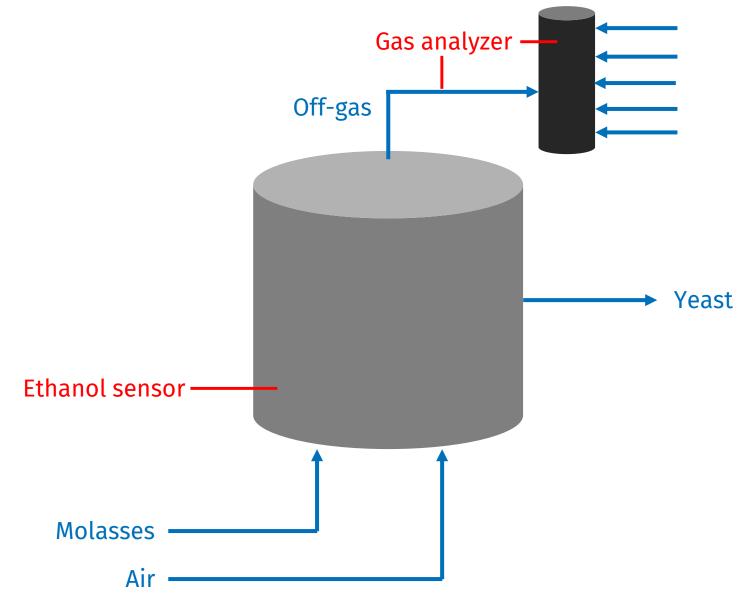


Fermentation dashboard

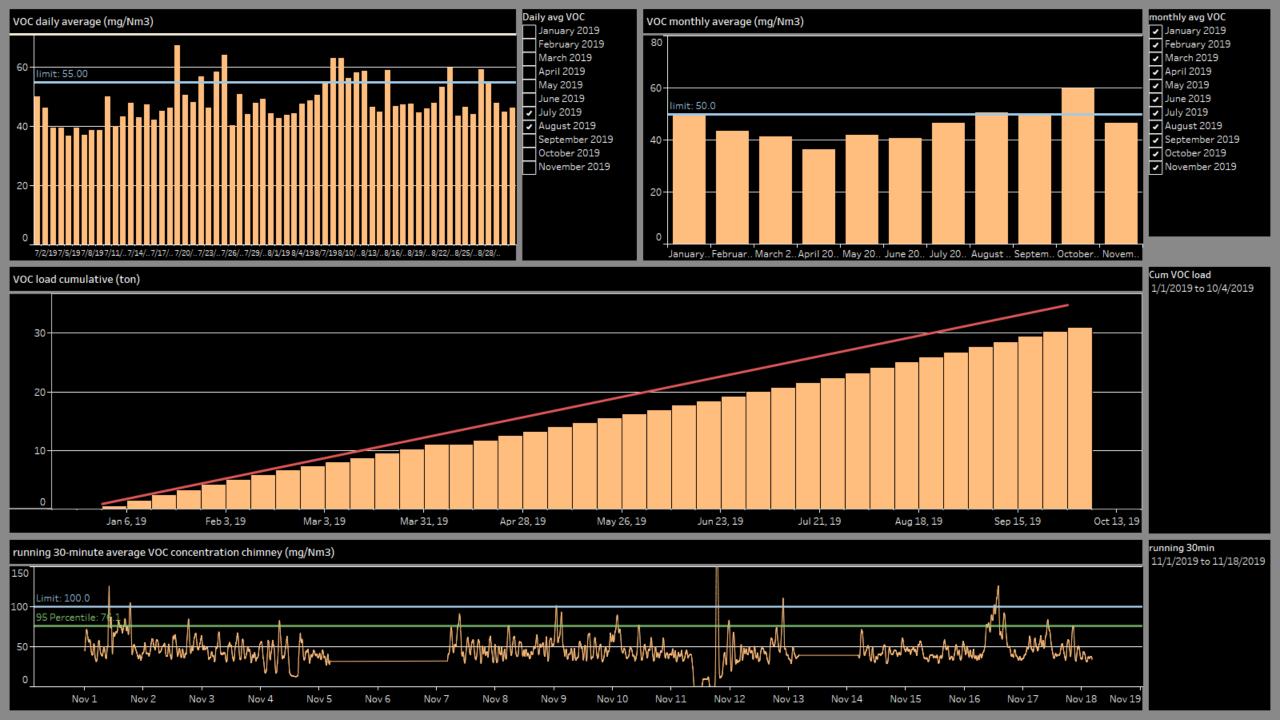




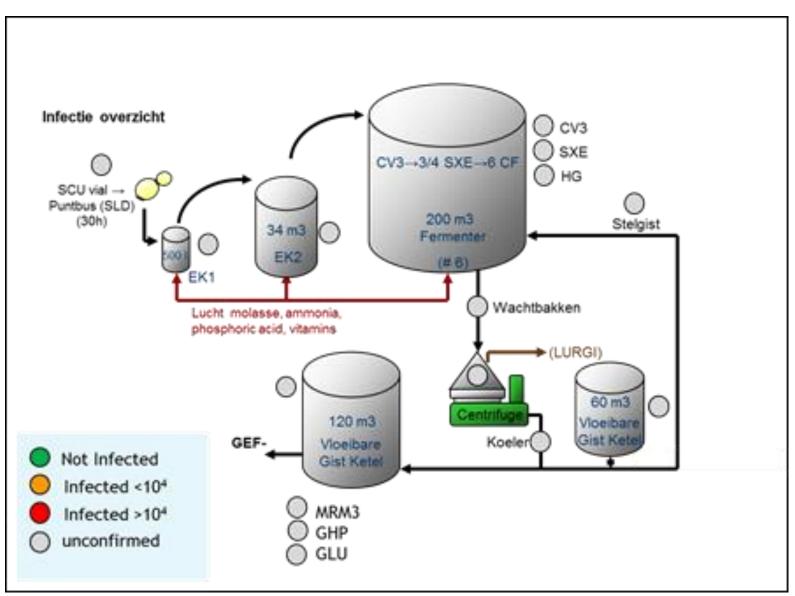
Case 1: emissions





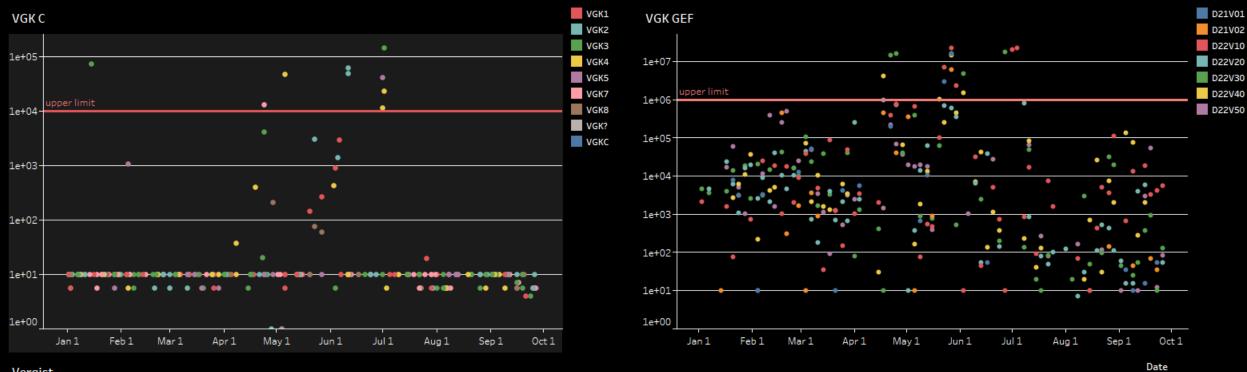


Case 2: contamination



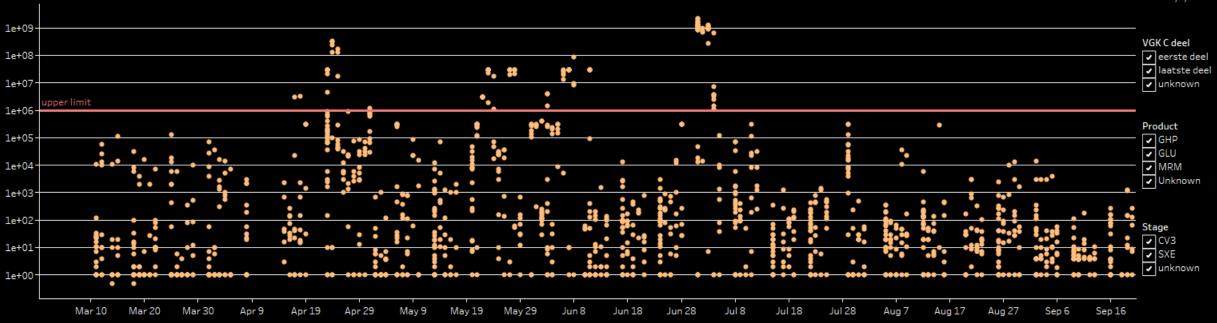


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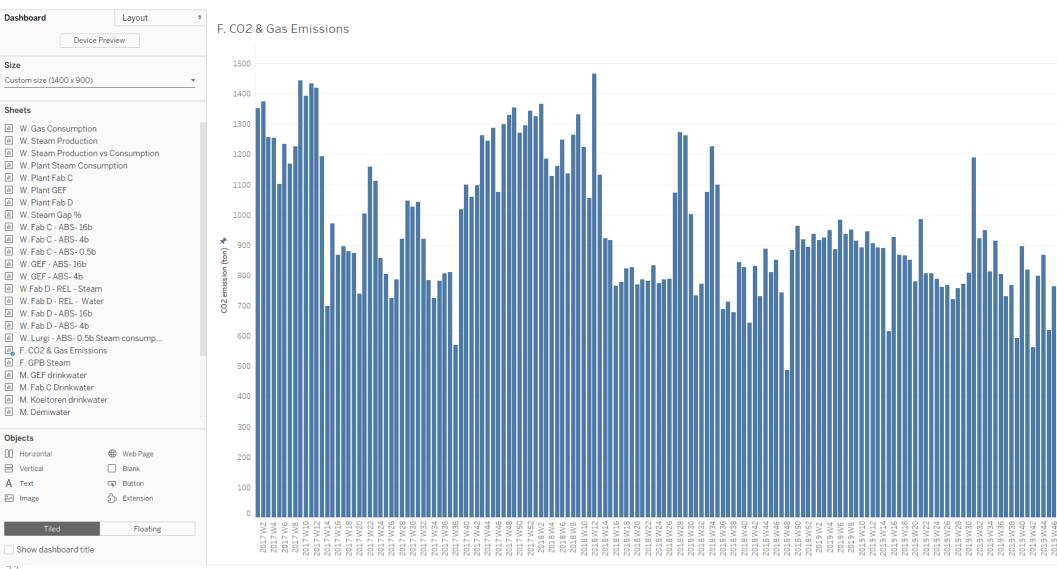








Case 3: utilities







Take-home message

- Don't underestimate the effect of the 'straightforward' stuff
- 'Advanced Analytics' can start simple:
 - Automate regular reporting
 - Automate manual quality checks
 - Capture the learnings throughout the plant
- As you get experience, move to more complex objectives
 - Various data sources
 - Batch tracing



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