

The Need for Tank Level Forecasting?

Today, most facilities operate reactively to problems in tank levels. This often leads to spills, emergency shut downs, expensive remediation costs, regulatory issues, costly repairs and fines. Tank Level Forecasting allows facilities to manage and abate these and other problems.

Forecasts are created by harnessing the power of real-time and historical data from sensors, meters and records that is readily available.

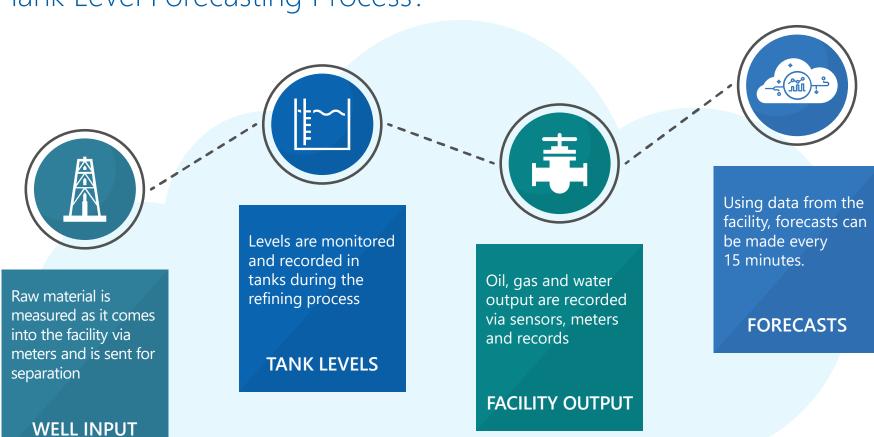


Microsoft

Benefits of Tank Level Forecasting



Tank Level Forecasting Process?



Tank Level Forecasting End-to-end Data Flow

The Cortana Intelligence Suite is scalable and adaptable enough to be customized to meet every configuration and requirement facilities and corporations have. Deploying the suite in an Azure-optimized environment leverages the power of Cortana Intelligence Suite and produces optimal results.

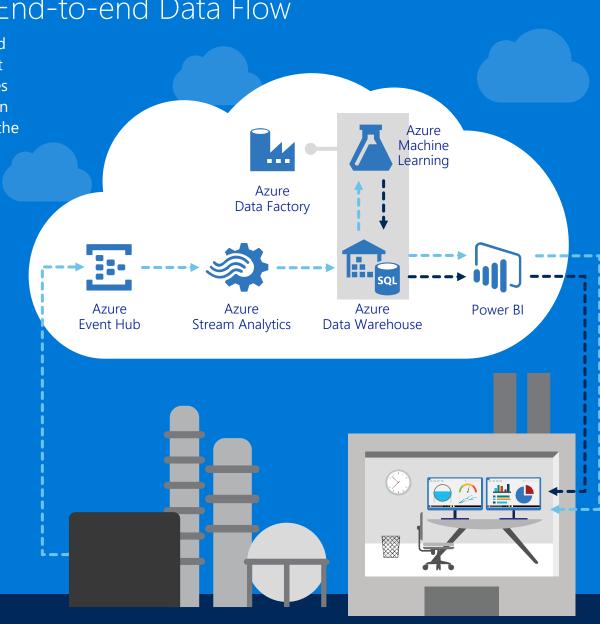
- Data from sensors, meters and reports is ingested by Azure Event Hub.
- Azure Stream Analytics aggregates historical and real-time data and transfers them to Azure Data Warehouse.

Azure Data Factory coordinates the

- transfer of data to, and predictions from Azure Machine Learning.
- historical and real-time data to create tank level predictions.

Azure Machine Learning ingests

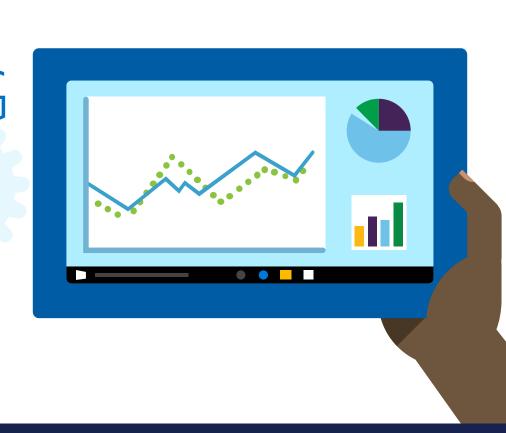
BI creates reports and visualizations from historic and real-time data, and predictions.



FORECASTING makes facilities

PROACTIVE

instead of reactive



Who Benefits from Tank Level Forecasting?



Proactively schedule

- maintenance
- Plan intelligent shutdowns and remediation



- Optimize operations and logistics
- Prevent spills and emergency shutdowns



- CORPORATIONS
- Visualize facility performance
- Reduce costs due to spills and unscheduled maintenance