

Improving Data Quality using Seeq & PI AF

Presented by:

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Business Challenge

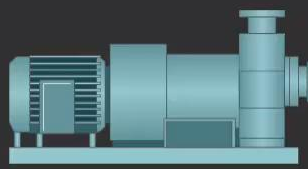
- Analytics for Industrial Plants is in high demand
 - But Data Quality can interfere with analysis
 - “Garbage in, garbage out”
- Identified as one of the highest areas of interest by OSIsoft customers
- Typical problems:
 - Gaps, flyers, noise, interference, sensor drift, timestamp alignment, incorrect interpolation, round-off, wrong units...
 - ...and sometimes the problems are mode-sensitive
 - ...and different use cases can need different cleansing

Data Cleansing Requirements

- Don't alter raw data (maintain system of record)
- Support a variety of tools and techniques
- Easy to develop, test, document, deploy
- “Once...and done.” Stream, vs ETL
- Results available to all users and apps
- Scalability

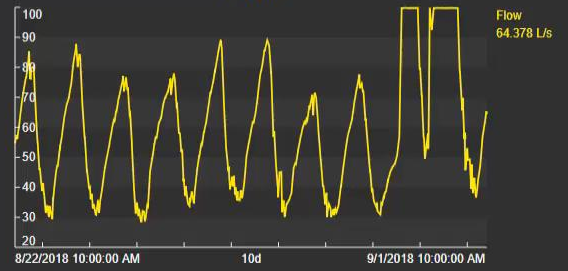
DEMO

Data Cleansing with Seeq and the PI System

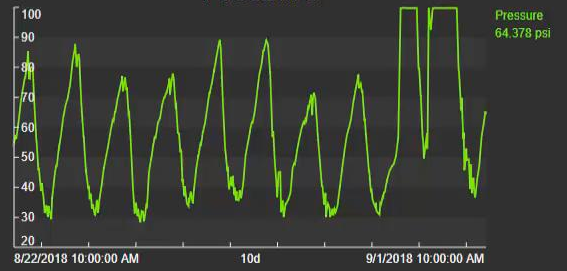


Pump 2

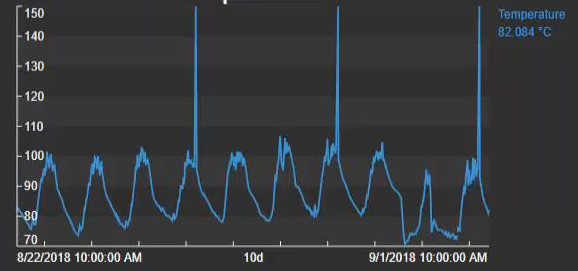
Flow



Pressure



Temperature



Results and Business Impact

- Cleansing can be done by the Subject Matter Expert (SME) who best understands it (vs. the consumer)
- Effort to cleanse is a one-time activity
 - Replaces repetitive process
- Results available to all
- Benefit
 - Lower cost, better results, faster insights
 - Adds value to all applications

Questions?

Please wait for
the **microphone**



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name & company

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 DANKON TANK TAPADH LEAT
 KÖSZÖNÖM DANKIE TERIMA KASIH GRACIES
 СПАСИБО
 ПАКМЕТ СІЗГЕ
 GO RAIBH MAITH AGAT
 БЛАГОДАРЯ GRACIAS MAHADSANID
 ТИ БЛАГОДАРАМ
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