

Principals To Successfully Combine Operations And Distribution Digital Transformation Technologies Into A One Platform Approach For The Chemical Industry

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Or... What a long title Will!



Breakdown/Agenda

- Principals To Successfully Combine Operations And Distribution Digital
 Transformation Technologies Into A One Platform Approach For The Chemical
 Industry
- Principals To Successfully Combine Operations And Distribution Digital
 Transformation Technologies Into A One Platform Approach For The Chemical
 Industry
- 3. Principals To Successfully Combine Operations And Distribution Digital Transformation Technologies Into A One Platform Approach For The Chemical Industry
- 4. Questions!

Operations - What do I mean?



A manufacturing site, small or large Some complexity to the process, production of multiple chemicals/products On site controls, existing instrumentation and systems

- Possibly aged/not integrated
- Designed for local control/safety

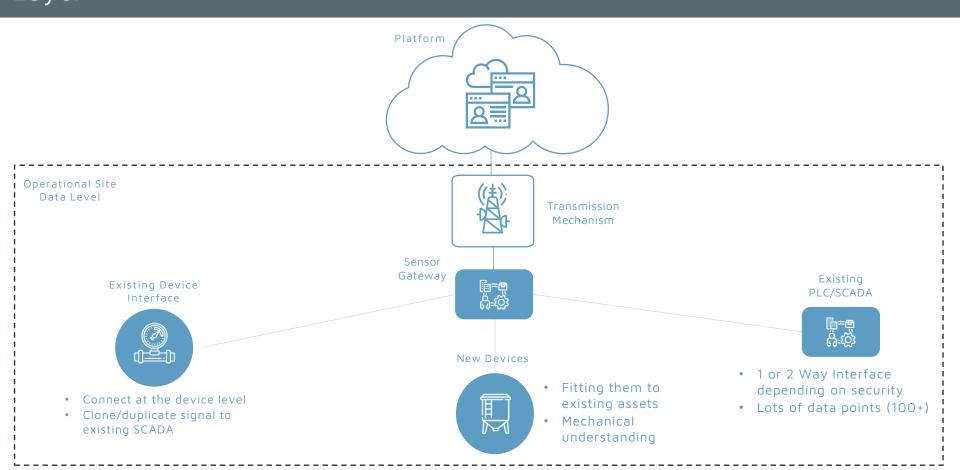
Questions What data do we want? Often inventory data, level, amounts dispensed. Macro data

What information already exists?

Possibly existing instrumentation and systems. Can data be extracted from them without compromising the system?

What does this look like in practice?- Operational Layer





What does this look like in practice? Cloud Layer

Standard API

Format



Simply Put...Use known integration methods where possible, and develop customised versions where needed



Platform Data Level

Existing System

The state of the s

 Useful Existing Platforms - Lots of Data Points & Calculated Values

Standard industrial Connectors

Customised Data Connector

Bespoke Reporting

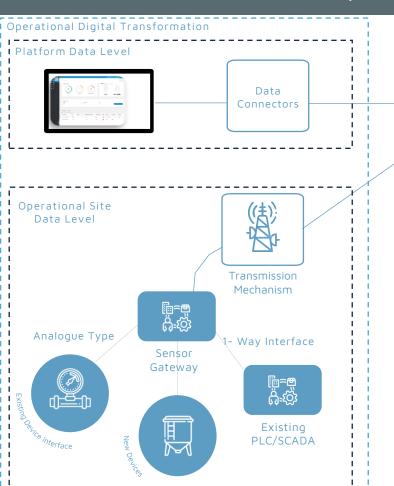


 Existing Reports/Tools with no standard data format

What does this look like in practice?

Platform





Simply Put...Get data from existing systems into one place or put in new systems to get data.

And...What a surprise....a solutions architect has drawn an architecture?!

Distribution - What do I mean?



Typically a remote site, perhaps not under your control
Customer/3rd Party Delivery Point
Small numbers of measurement points

Questions What data do we want? e.g. Periodic level measurement

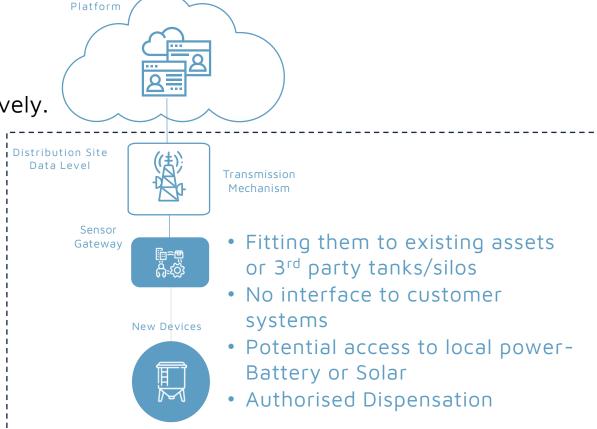
What information already exists? e.g. A level sensor.



What does this look like in practice?- Distribution Layer

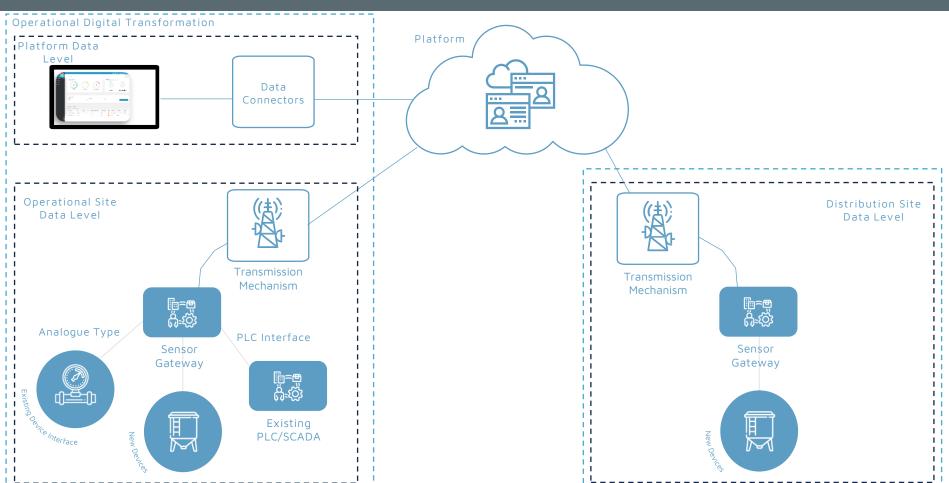


Simply Put...Install known solutions quickly and effectively.



Now to Combine Both





Now to Combine Both-Simply Put

Platform



Data Level

Operational Digital Transformation

Platform Data Level

Transfer data from existing systems

Operational Site Data Level

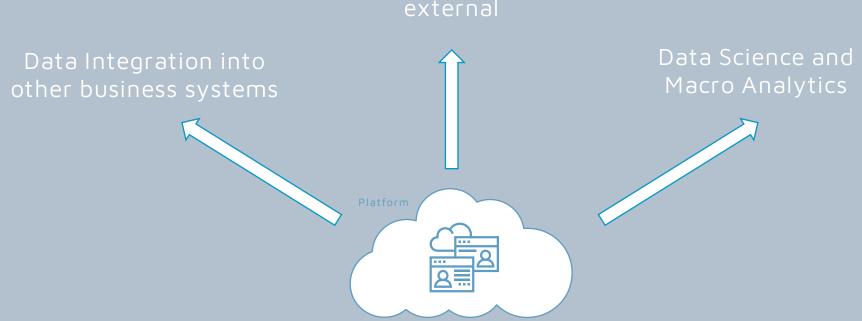
Collate data from your existing assets

Distribution Site

Collect new data from remote tanks/sites/customers







How do I accomplish this?

You need a variety of skills and ability, or a partner with them!

- ✓ Deep understanding of instrumentation and systems
- ✓ Agility and flexibility of integration
- ✓ Platform level experience with enterprise organisations
- ✓ Proven record of delivery



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Questions?



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