

Digital innovation in large infrastructures through Industrial DataOps

Examples of how to liberate data and make it valuable

Alexandre de Oliveira e Sousa

30.08.2022

Agenda







Challenges within large infrastructures

Examples of Digital Innovations

The role of Industrial DataOps

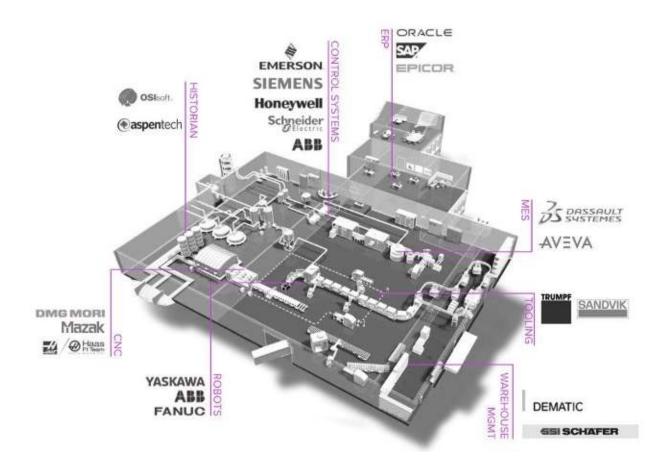
5 min

15 min

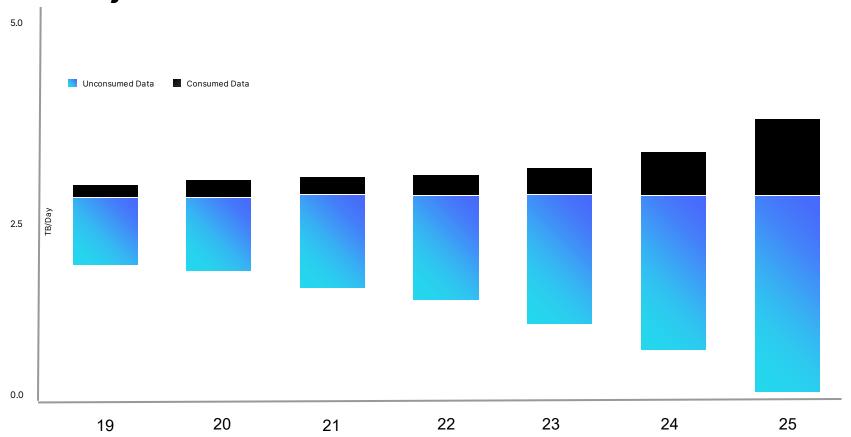
10min



Large infrastructures are inherently complex



While large infrastructures are drowning in data, it is not always available



And even when it is available, there are challenges in making data usable and valuable

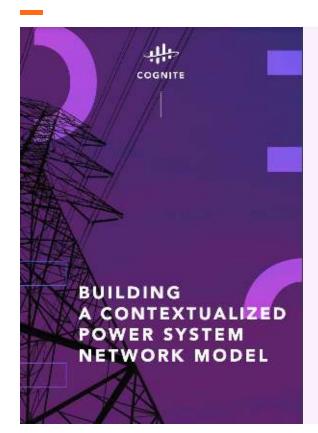
"Proofs of concept are common in industry.

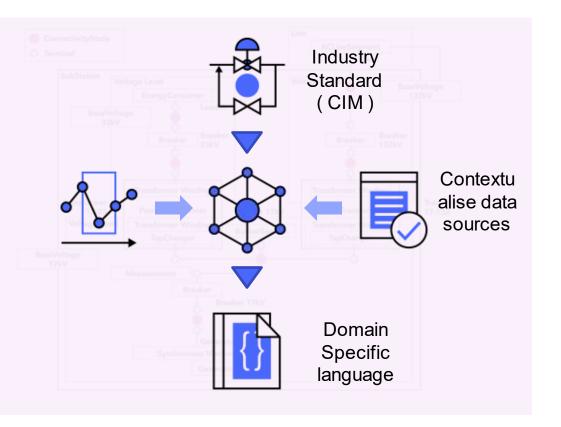
Scaling them isn't."





Speeding up the power grid connection process...

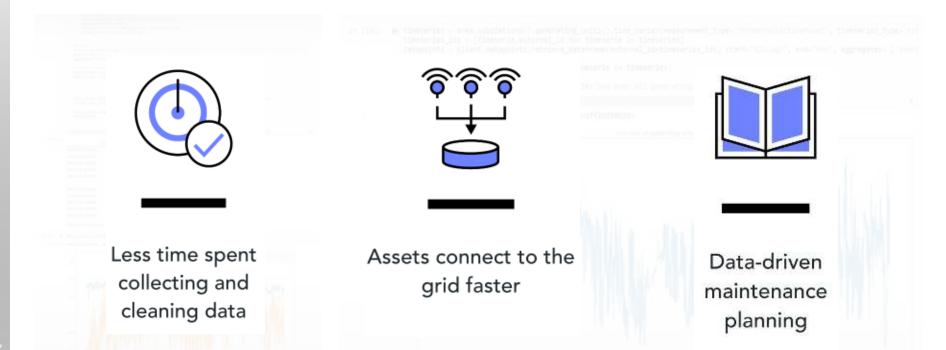




Links: online whitepaper



.. to drive faster analytics & solutions

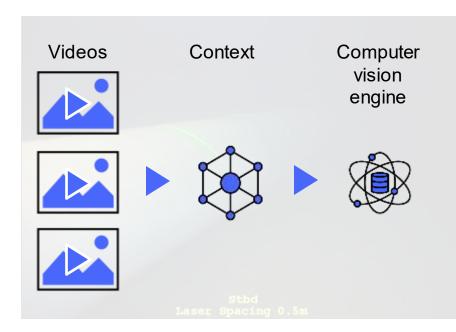


Links: <u>case study 1</u> – <u>demo</u>

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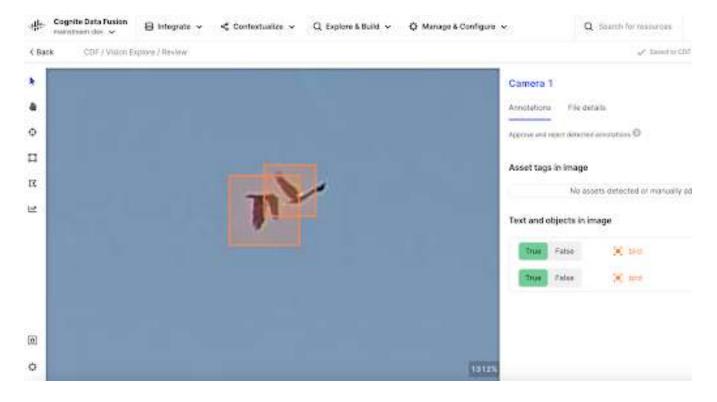
Bringing survey video to the fingertips of engineers





LINGO COOMITE

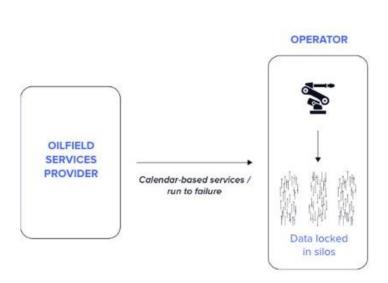
Data-driven approach to wildlife conservation

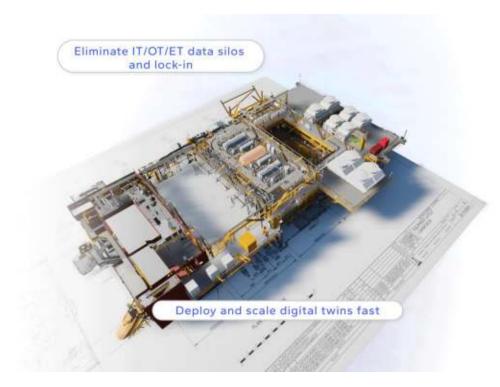


Links: case study



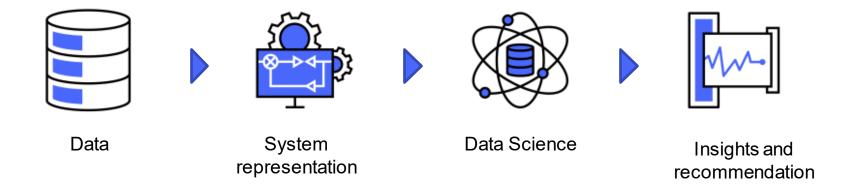
Business model Innovation with unlocked data







Using Machine Learning to reduce Water In Oil

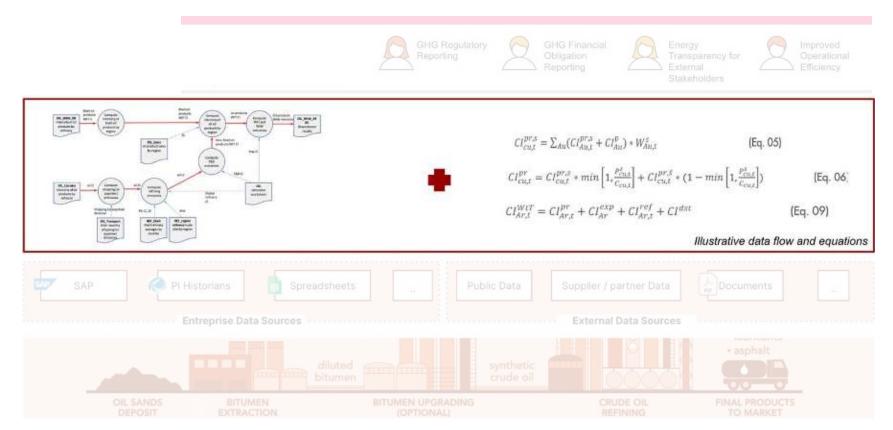


Links: <u>case study</u>

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Enhancing GHG reporting to meet greater scrutiny



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Cognite Data Fusion - leading Industrial DataOps

Improve workflows Make data valuable Industry standard tools Data science Industry applications Low or no-code python* [™]Grafana (aspentech Power BI 🗂 Jupyter SIMUL8 PawerApps MAILAB. Trust & maintain Make data meaningful Open Industrial Digital Twin & useful COGNITE Automated preparation, cleaning, Powered by mapping, and contextualization Cognite Data Fusion® Make data available DCS CMMS MES Historian

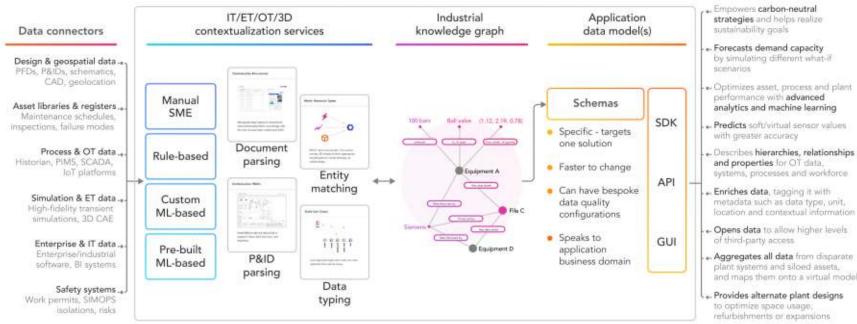
MOOD COUNTY



In more details

Open Industrial Digital Twin

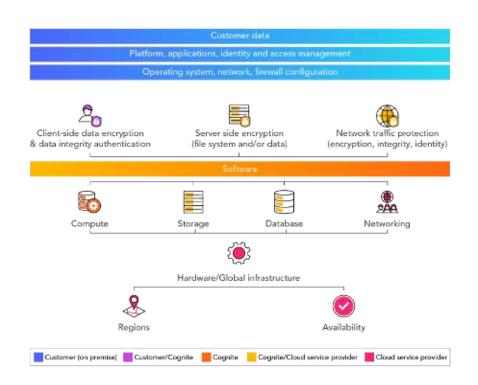
enabled by underlying graph database and analytical toolkit



and maps them onto a virtual model



Security built in for critical infrastructure

















- Aligned with industry standards
- Secure Software Development Lifecycle with integrated DevSecOps practices.
- Shared Responsibility



Industrial DataOps is the answer

to capturing value from data and drive innovation

