

### Digital Transformation in a Box

Operationalizing Industrial Deep Tech



#### Non-Disclosure

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dDriven Overview



#### Snapshot

#### Founded:

- 2016
- Team of highly experienced Datapreneurs

#### Expertise & Focus:

- Industrial Deep Tech
- IIoT, IT-OT, & Digital Transformation
- Primary Focus: Process Industry

- Singapore
- India
- South Korea
- MENA
- USA







"dDriven has been the perfect partner we could ask for in our Digitalization Journey. With the help of dDriven, we have been able to take a firm step towards Smart Manufacturing and digitalization of our plant operations. Our plant operations have become much more transparent and efficient, minimizing lost opportunities. We look forward to a long and fruitful partnership with dDriven and having them help us pursue data-driven excellence."

- WOOJO LEE, Team Lead - Process Solution Team





"dDriven has been our trusted Digital Manufacturing partner for 3 years now. They bring in an unique blend of proven Industrial Deep Tech expertise with real-world applications implemented globally - this, especially given the rapid pace at which they deliver, is essential for driving digital transformation in large manufacturing operations such as ours. We are working closely with them to harness the power of deep learning and digitalization for our operations.

- PN SELVAGURU, Principal Engineer

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The Problem Space



#### Disconnected Manufacturing Hindsight-driven Operations

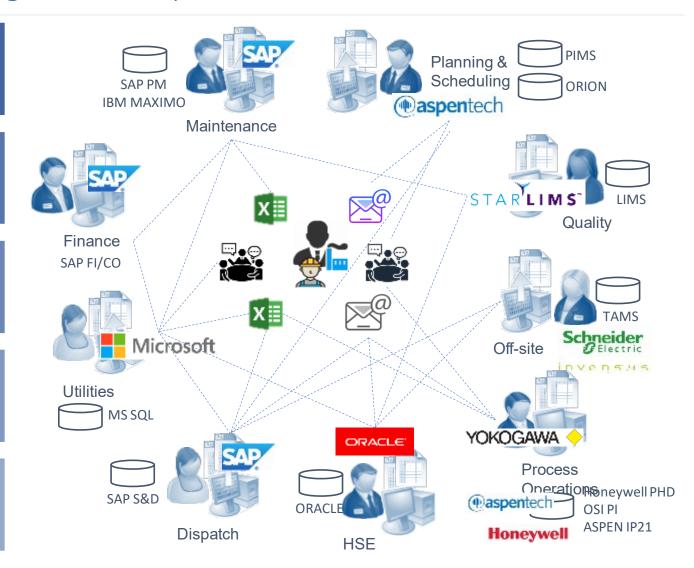
Numerous IT-OT Systems from numerous vendors > Functional Silos

10+ Years of Locked Disparate Data (Vendor Lock-in)

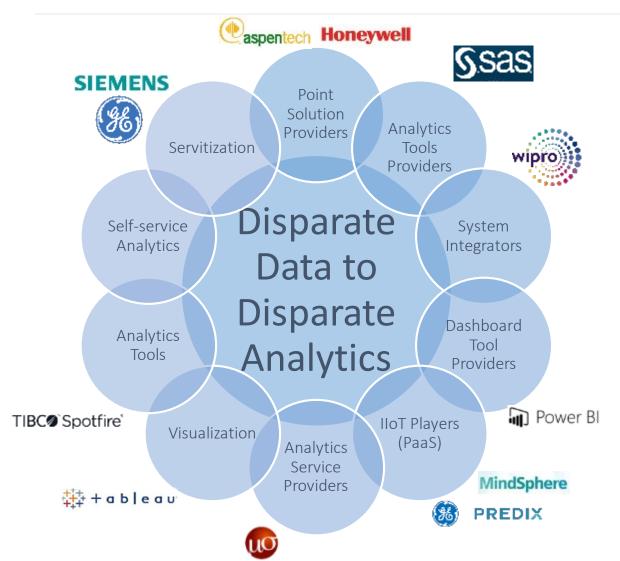
No Cross-functional operational visibility or foresight

Information not available within opportunity window

Numerous Blind Spots



#### Current Solutions: Disparate Data → Disparate Analytics



# Nothing Addresses the needs of Operations

No cross-functional or contextualized perspective

Many tools and services in the System Integration & Data

All confined within specific "buckets"

#### The Impact – Annual Losses

Unplanned Downtime: US\$ 75 M

Emergency Purchases: US\$ 100 M Quality Giveaway: US\$ 25 M

Energy: US\$ 150 M

Maintenance: US\$ 50 M

Safety Incidents: US\$ 50 M



### Typical annual losses of USD250-300M in mid-sized Process Plants

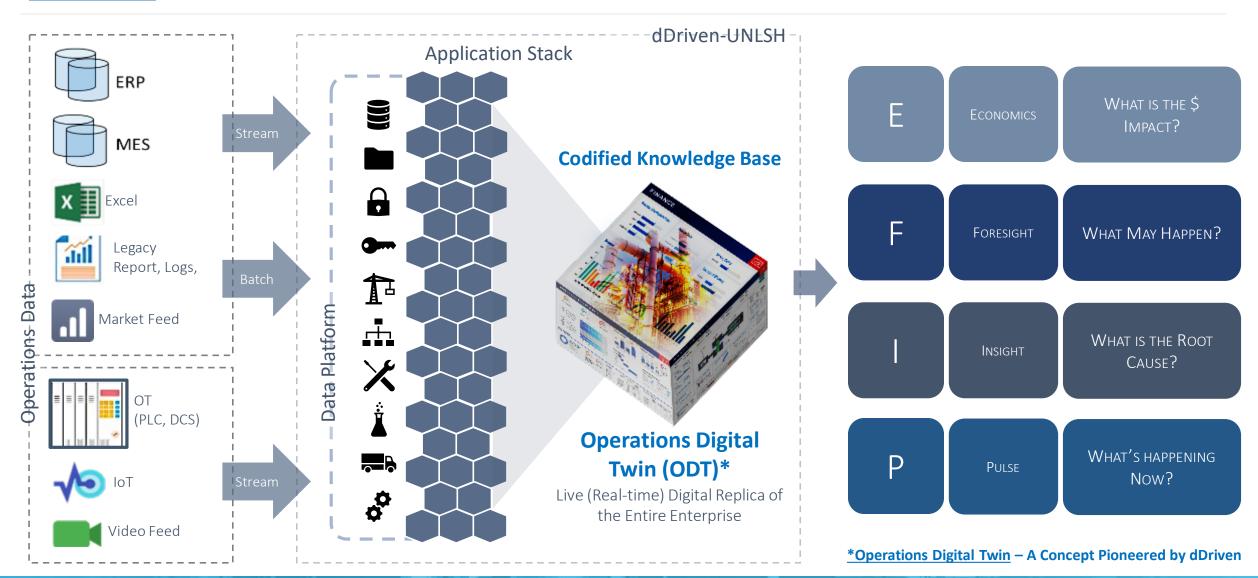
(mid sized – equivalent to a 300K barrels per day refinery)



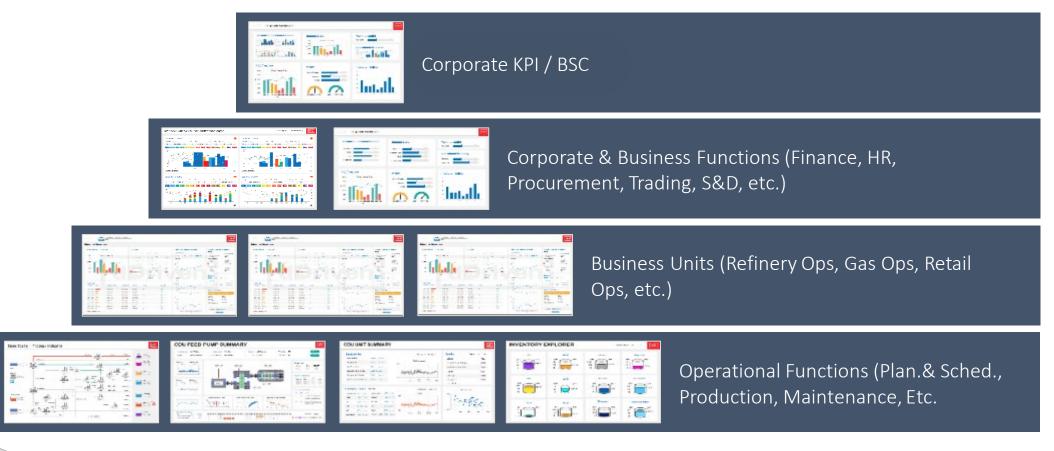
Core Value Proposition – dDriven UNLSH



#### NO CODE Digital Transformation & Al-driven Intelligence in a Box

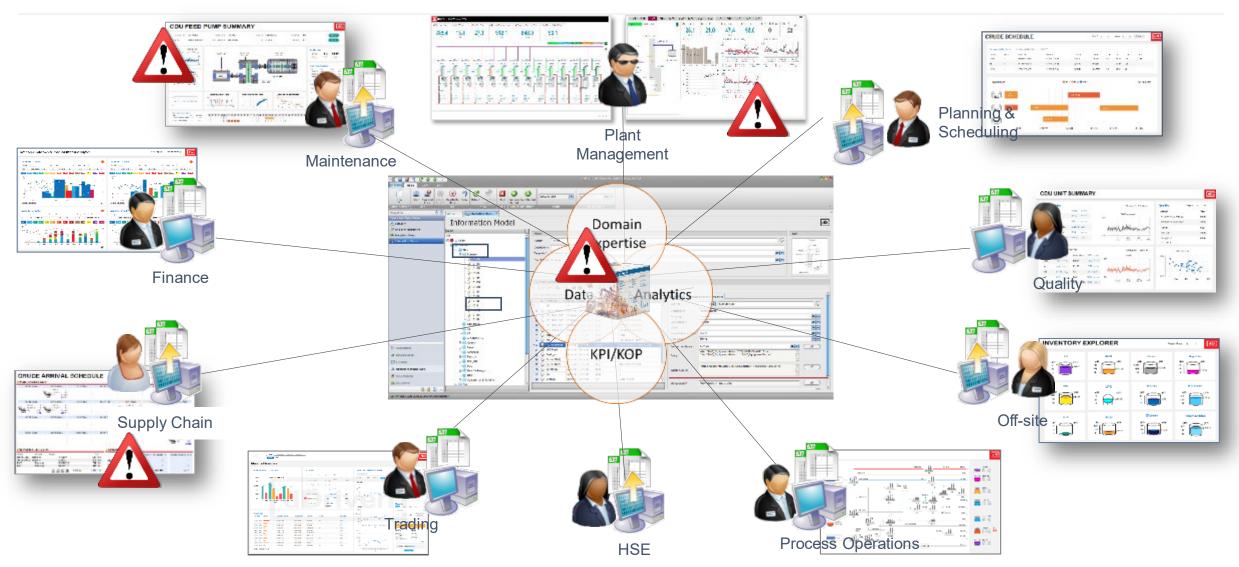


#### Enterprise wide analytical insight within the opportunity window

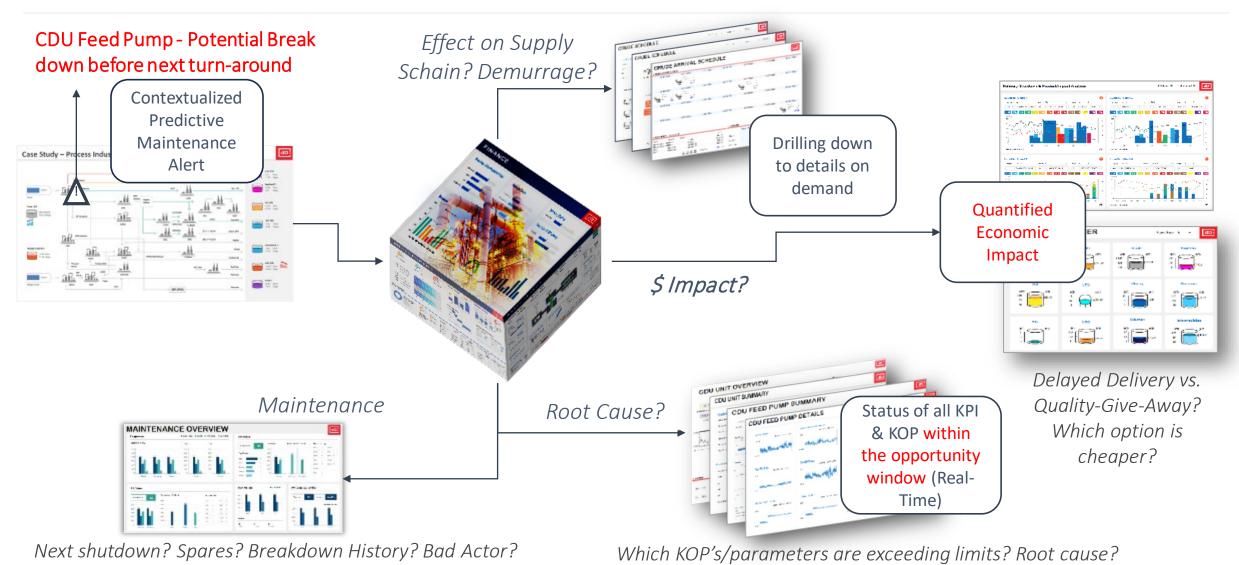


Every parameter, physical asset, workflow, process, function, hierarchy, dependency, etc. dynamically modeled into Operations Digital Twin (ODTs)

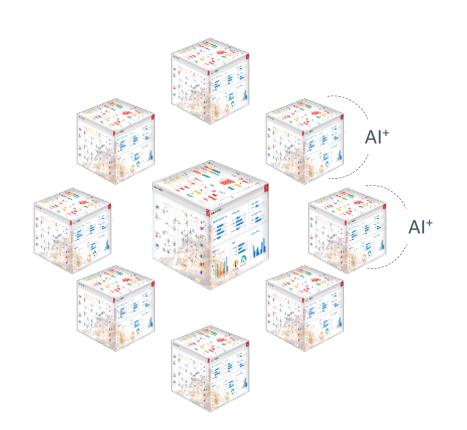
#### Eliminating Disparate Analytics – Insights for all Stake-holder across functional barriers



#### Real-life Process Industry (Refinery) Case Study



#### Industry Smarts built into AI, at Scale



Anomaly Detector	
Economic Impact Assessment	
Set-point Predictor	
Valve Failure Predictor	
Production Prediction	
and more	

#### Al built around DIGITAL TWINS, NOT JUST DATA:

Retaining domain knowledge & context while delivering intelligence at scale across dimensions

#### Core Differentiators

# Vendor Agnostic.

Unleashes all IT,OT and IoT Data.

## Leverage & Liberate

Monetize all investments – CoT Applications, ML/DL Models, Disrupt Lockin.

#### No-Code.

Eliminating IT
Complexity, IT-OTDomain Expert
barrier, Reducing
Time to Value.

#### Contextualized

Eliminating Siloed
Data & **Disparate Analytics**. Codifying
Domain Expertise.
(E2E)



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