



Advanced Asset Visualisation

Drive Down Cost, Improve Brownfield Operational Efficiency & Safety



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Asset Visualisation

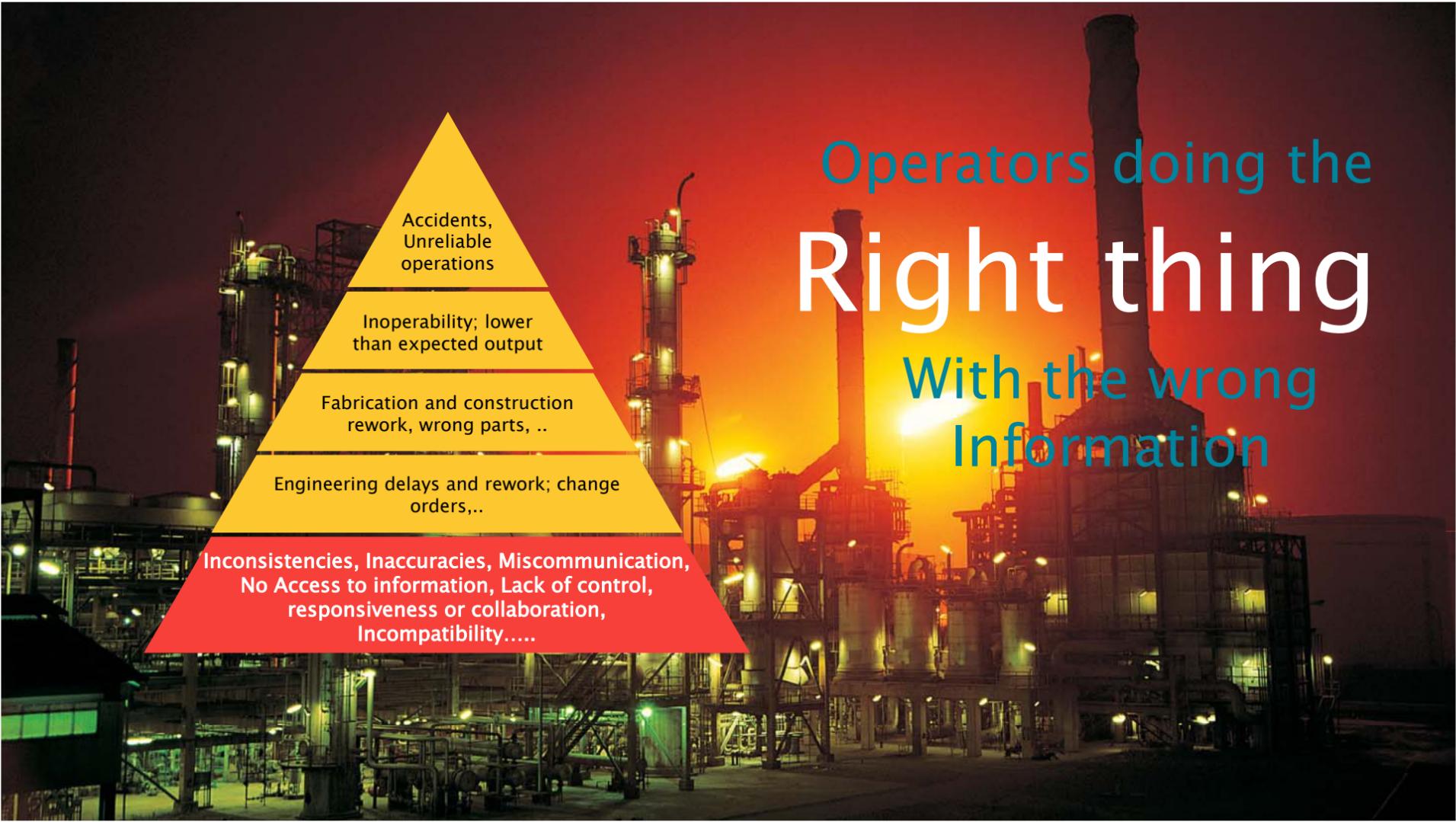




Taking Control of Your Asset

Chevron's Refinery Control Systems create
4TB of data per day

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Operators doing the
Right thing
With the wrong
Information

Accidents,
Unreliable
operations

Inoperability; lower
than expected output

Fabrication and construction
rework, wrong parts, ..

Engineering delays and rework; change
orders,...

Inconsistencies, Inaccuracies, Miscommunication,
No Access to information, Lack of control,
responsiveness or collaboration,
Incompatibility.....

Take back **Control** of your information



**"Easy access to a
dependable information
source, essential for safe,
reliable operations and high
quality decision making"**





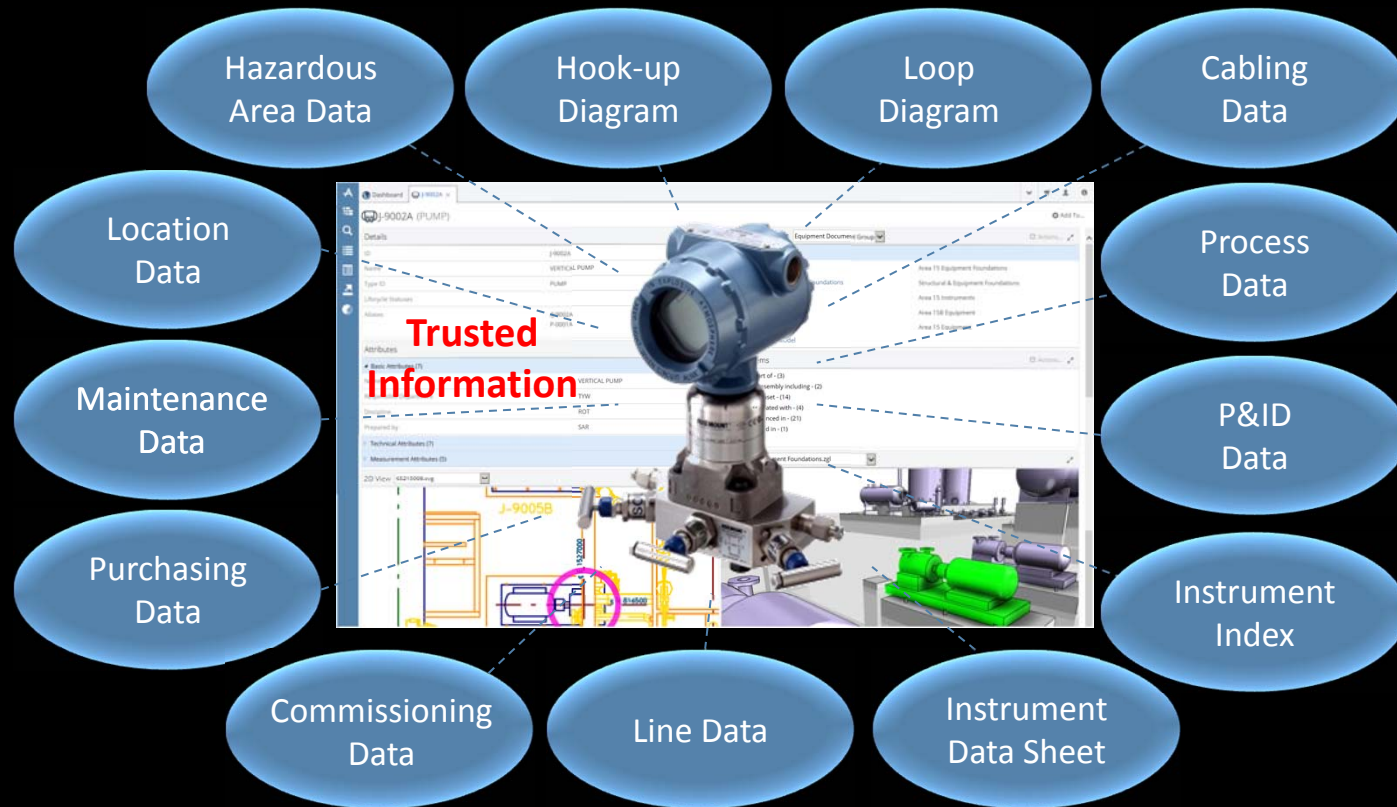
The

Digital Asset

Unlocks the power
Of your

Information

Transforming Data into Actionable Information



The Challenge

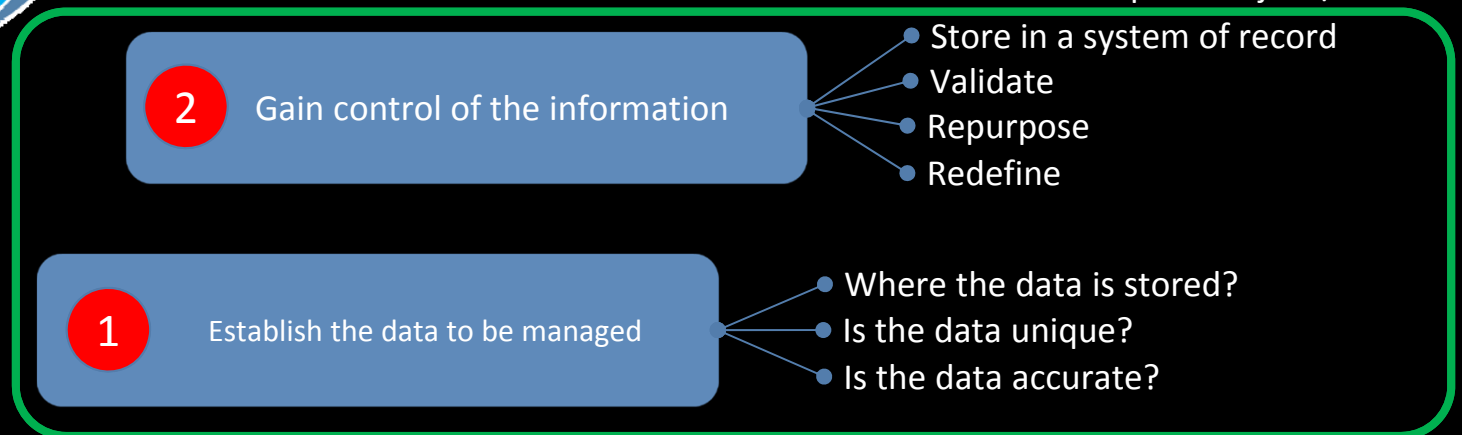
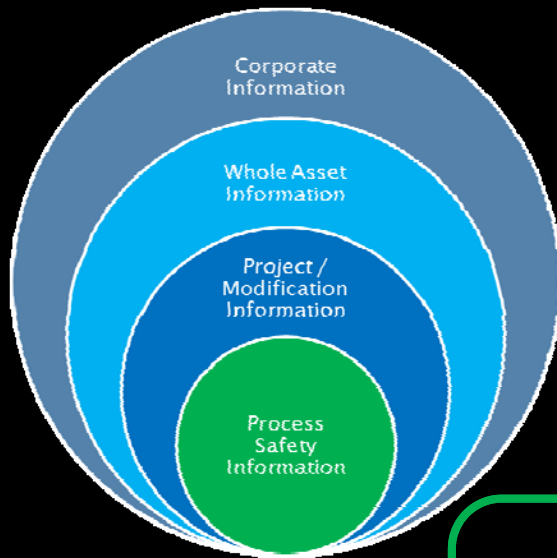
Regaining control of the Digital Asset.....



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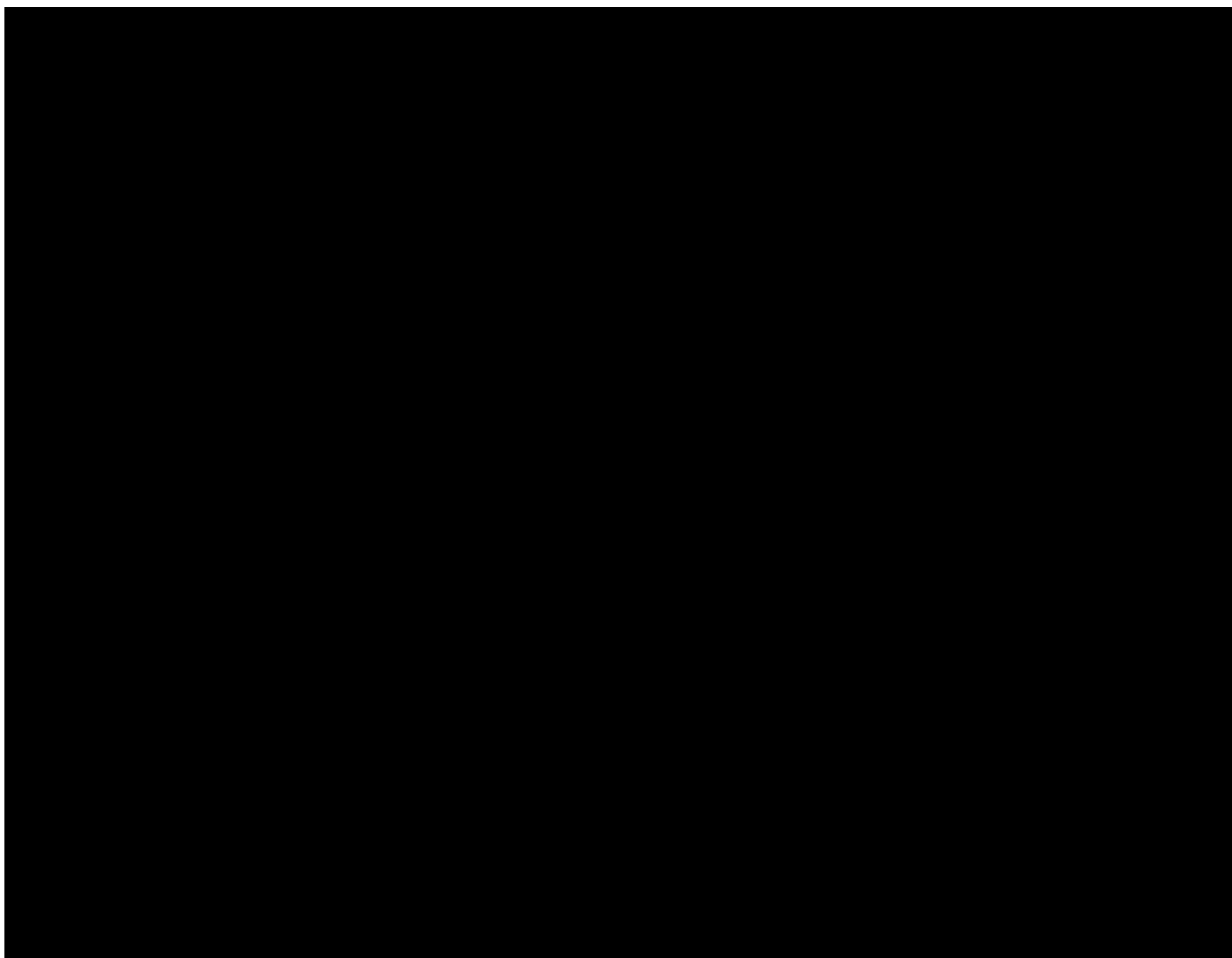


*“Pragmatic, non-intrusive process, delivered **within** OPEX **budgets**, demonstrating value at each stage”*



Visualising The Digital Asset

- Laser Scanning
 - Most efficient way to capture existing conditions
 - Most affordable



Exploiting Asset Visualisation

AVEVA NET

Home Explore Report

Logged in as: AVEVA\Ian.Smith

Enterprise Explorer

User: ian.smith
Role: Default User

Show Find Show Toolbar

- Document Types
- Document by Location
- Manufacturers and Vendors
- Reports
- Shift Handover Logs
- Spares
- Work Pack
 - Work Packs
 - 01-WorkPack
 - 02-WorkPack
- Public Folders
- Personal Folder

Content Explorer

Work Pack: 01-WorkPack

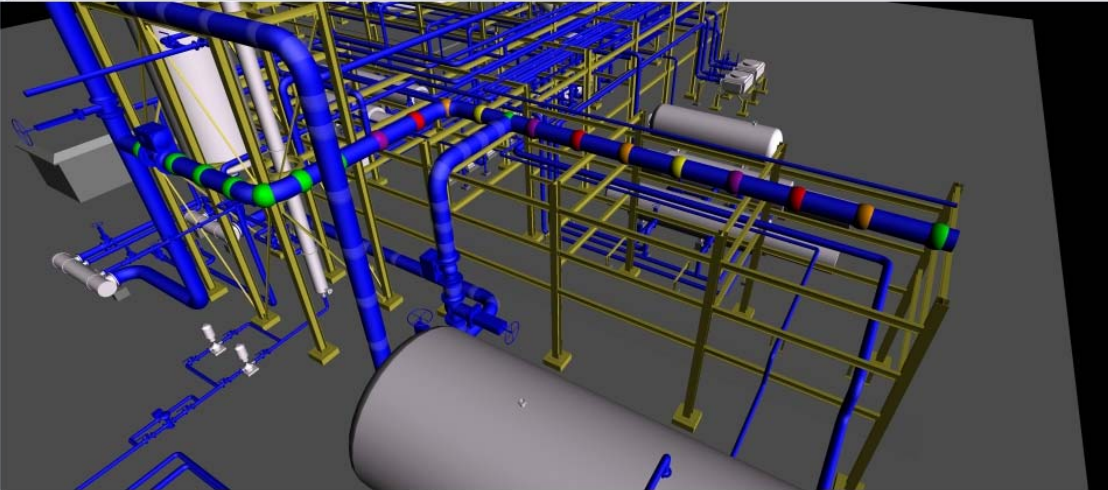
Parts and Documents: Inspection Location - (20)

Content Viewer

SWS.zgl

Edit Navigate View Markup Tools Help

Drag to slide sideways.



Report Criteria

- ☒ Thickness Report
- ☐ Replacement Report
- ☐ Corrosion Rate Report

Key

Green	>= Alarm1
Yellow	< Alarm1
Orange	< Alarm2
Red	< Alarm3
Purple	< MAWT

Show Zoom Isolate Show All

Clear Back

☐ Change View



AVEVATM

AVEVA Activity Visualisation PlatformTM

Asset Visualisation @ Your Finger Tips

FCV-5202A1 INSTRUMENT

FCV-5202A1 Avigate Data Set

- EQUIP: FCV-5202A1
- LAYOUT: MRB-200-IN-2346-6150002-020
- PLAN: HNE
- WIRINGS: HNE
- LOCATION: HNE

FCV-5202A1 Instrument Dataset

- Name of the element: /FCV-5202A1
- Built/unbuilt flag: false
- Delivery designation flag: FALS
- Shop/site flag: false
- Leave tube reference: /CLASSMSDA/PIPE-5405/IR
- Position: L 217.10V/512 N 22'S.119/512 U 2060.781/1024
- Component spec reference: /CLASSMSDA/REV150-1051-5015A-HW-TOP

MRB-200-IN-8808-6140012-002 INSTRUMENTATION DIAGRAM, PLANS AND DETAILS

FCV-5402A1.DOC INSTRUMENTATION DIAGRAM, PLANS AND DETAILS

MRB-200-IN-2346-6150002-020 INSTRUMENTATION DIAGRAM, PLANS AND DETAILS

10_WB-6190-0405-MSDA-HNE.002 PIPING AND HVAC ISOMETRICS

3D **1D** **2D**

DETAILS DISPLAY → Overview Equipment List

“Easy access to a foundation of information, essential for safe, reliable operations and high quality decision making”

“Understanding the quality, completeness and accuracy of process safety and asset integrity information”

“Pragmatic, non-intrusive process, delivered within OPEX budgets, demonstrating value at each stage”



Helping customers to achieve world-class operational insights
from asset and maintenance data
by creating, assuring and maintaining
a trusted Digital Asset



Thank you



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