

Avocet Field Deployment to enhance Collaboration and Production Surveillance

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Business Case

Avocet is used since 2015 as the Allocation engine to generate official production volumes for Gathering Centers (GCs) and Oil Wells.

This situation has shown multiple issues typical for solutions built on multiple silos of data (Finder, ALMS, LIMS, P2ES, PPMS, Excel, ...).

This Situation leads into poor decision making as decisions are based on low quality data



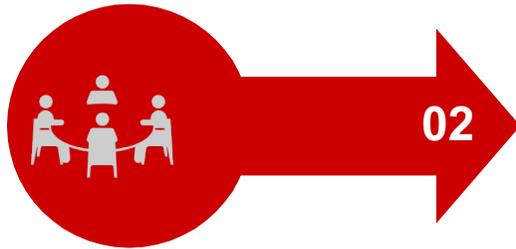
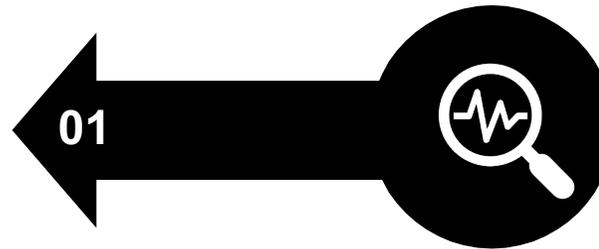
Field users collecting production data manually using various spreadsheets and finally capture data manually using Finder screens

Each time a data is needed in one system, it is entered manually after reading it from other system

Business Objectives

Improve data collection & QC/QA

- Streamline Data Capture (PPMS/POIS/MIS)
- Automated data validation and approval
- Generate daily field reports
- Uniqueness and integrity of operational data
- Simplified workflows for field/office personnel



Improve collaboration between teams

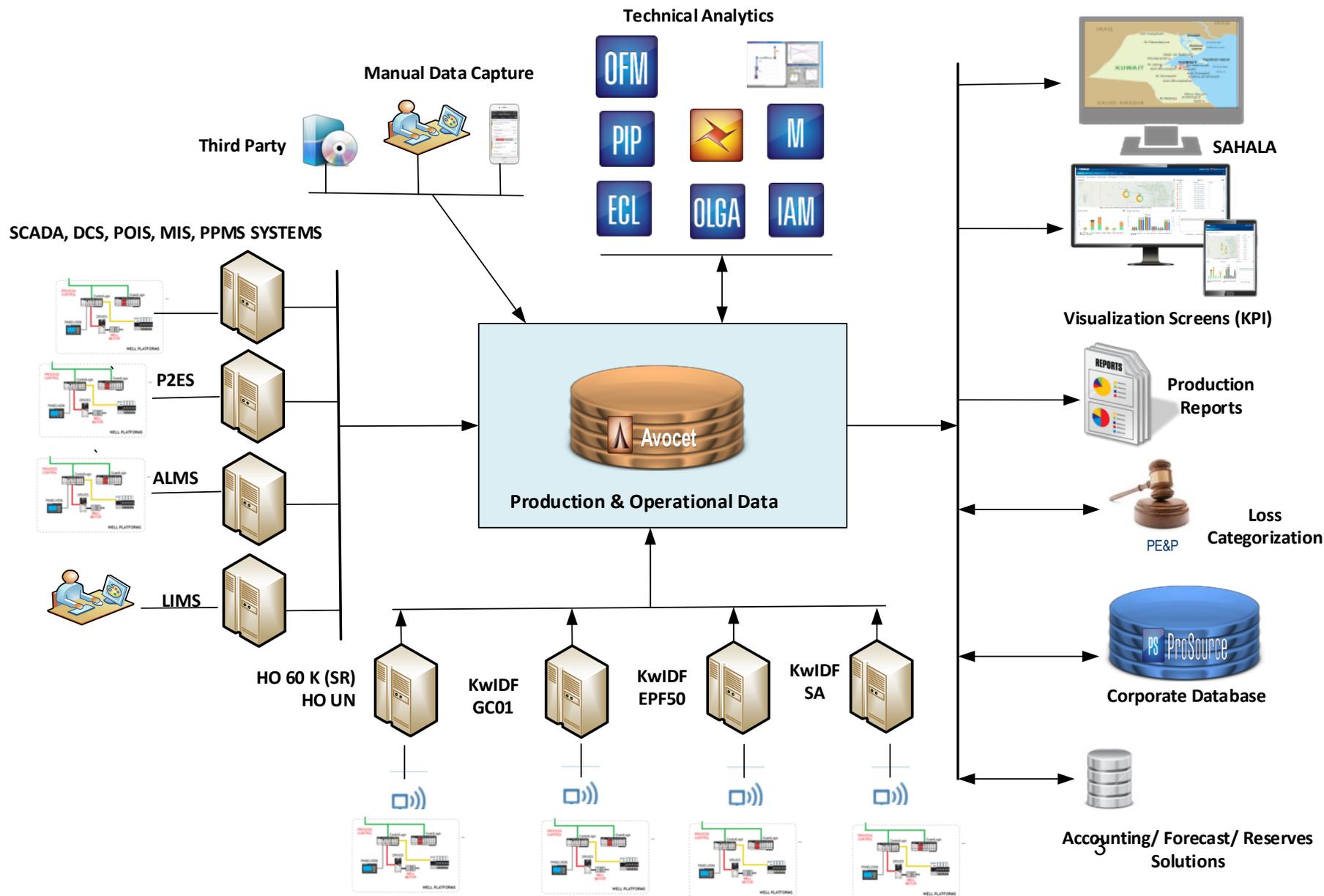
- Integration with KOC existing Systems
- Cross department/system alerts & notifications

Improve and optimize production operations workflows

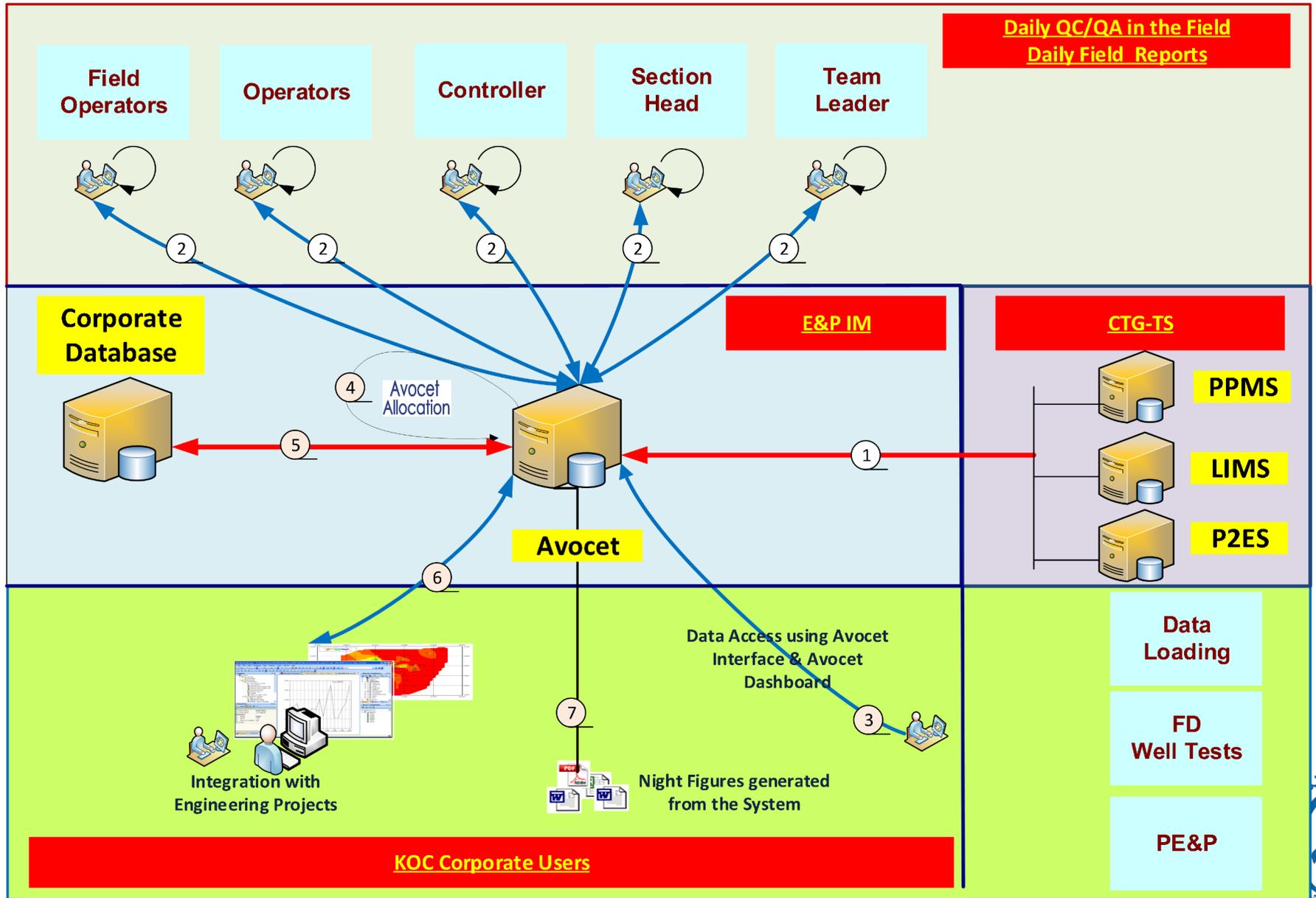
- Role specific web dashboards
- Automated workflows



Solution Architecture



Overall Dataflow



Supplier/Input – Process - Output/Consumers (SIPOC)



Deliverables: Field Operations Dashboard

GC Overview



- Well Status Map
- Daily production Overview
- Operations Work Status
- GC Water Cut

Well Monitoring



- GC Well Status Overview
- Production Trend
- GC Balance (Allocation Factor)
- Well Monitoring Details

Night Figures



- Oil Export
- Inventory
- Oil Pumping
- Condensate
- Gas
- Desalter
- Train
- Heater
- Water Disposal
- Chemical
- Comment
- WKO Fluid
- WKO Chemical

Operations



- Well Parameters
- Lift Type
- Well Analysis
- Activities
- DCS Test
- Slot Test
- Pit Level
- Bean Check
- WCSD
- Connection
- Choke Size

Reports



- ESP Trip
- Chemicals
- Well Test Daily Rate Change
- Water Cut Rejection

Analysis



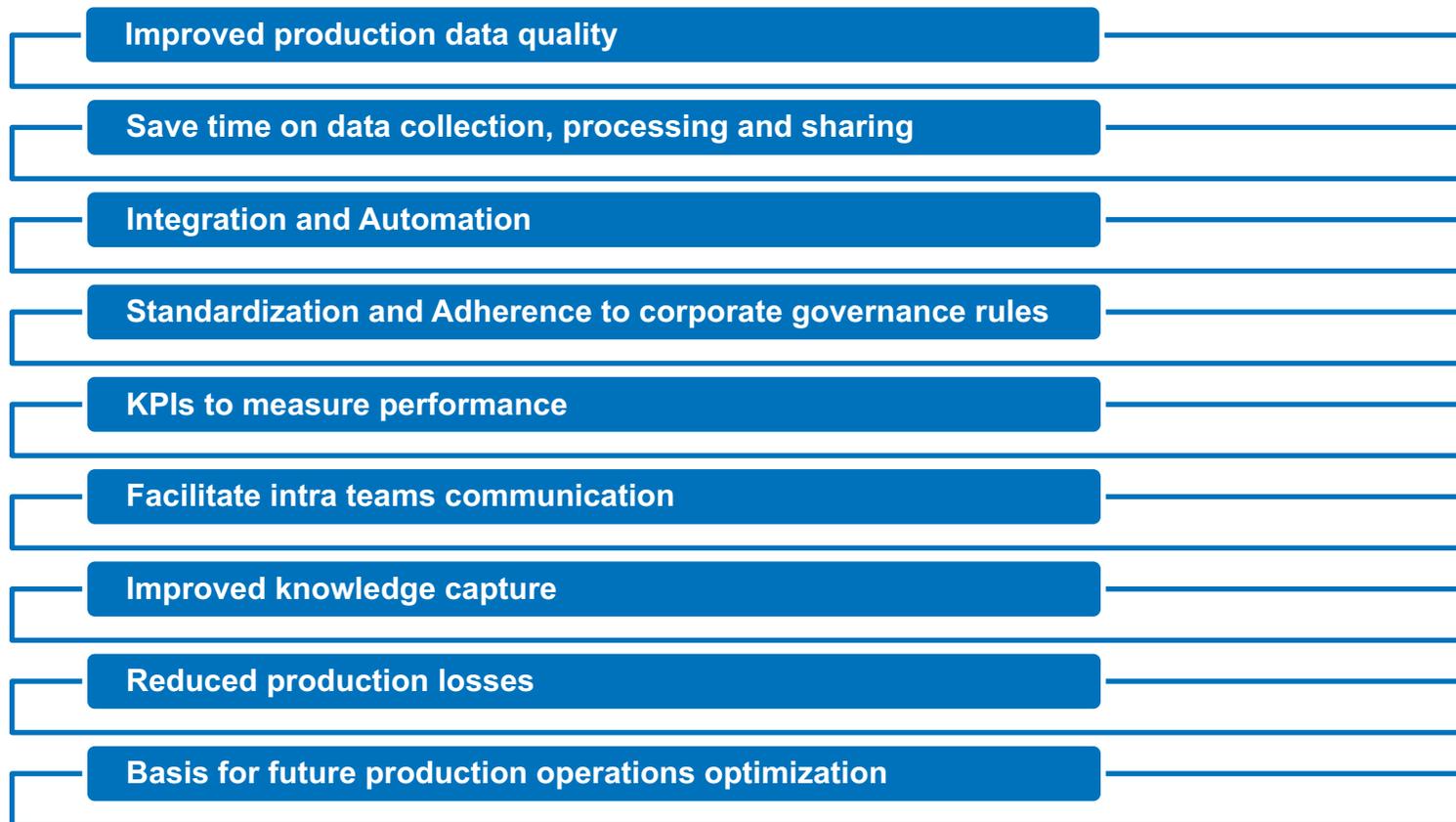
- Performance Analysis
- Loss Management

Administration



- User Shift Management

Avocet Production Platform Quick Wins





Thank
you!!