Striking the Balance:

Leveraging Power Platform and Business Acumen to Drive Value in ExxonMobil Upstream Operations

Empower,

Huy Tran
Product Manager
ExxonMobil - Upstream IT



Sacha Abinader
Managing Director
Accenture North America Energy

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CONFERENCE

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The event invitation code is: MPPCFall22

Upskilling for Career Switchers

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A brand-new upskilling program for people from nontechnical backgrounds, to enable them to get better career opportunities.

Through guided curriculum, self-paced learnings, instructor-led training, and hands-on exercises, participants will learn new skills while being supported by the Power Platform community and Microsoft product teams.

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Accenture / Avanade History with Power Platform delivery at ExxonMobil

Engagement with ExxonMobil West Texas team to develop Execution Planning Tool

Q3 '19 – Q3 '20

Establish and assist ExxonMobil IT Power Platform CoE (Governance / Best Practices)

Q4 '20 - Q1 '22

Today's Focus

Partner with ExxonMobil Upstream IT / Digital to deliver highest value products

Q1'22 - Present

Our Delivery Principles / Guidelines

by

Delivered



USER CENTERED DESIGN



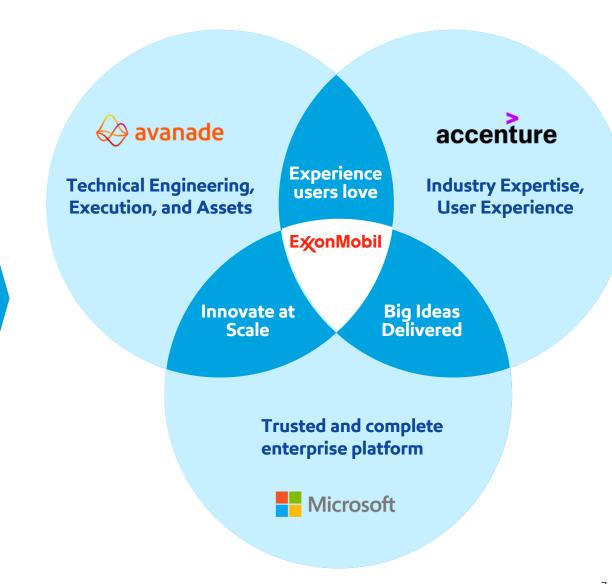
ARCHITECTING FOR SCALE



DATA AS A COMPETITIVE ASSET



GENERATE MOMENTUM FOR DIGITAL INNOVATION



Address business mandates with Power Platform



DRIVING BUSINESS VALUE WITH DIGITAL



ENABLE SAFE AND RELIABLE OPERATIONS



PREVENT SILOED PROCESSES AND DATA



AND
STANDARDIZE
PROCESSES

ExonMobil

Businesses

Upstream

Product Solutions

Low Carbon Solutions

Value chains with better line-of-sight to markets

Centralized Organizations (CO)

Technology & Engineering

Global Projects

Global Operations & Sustainability

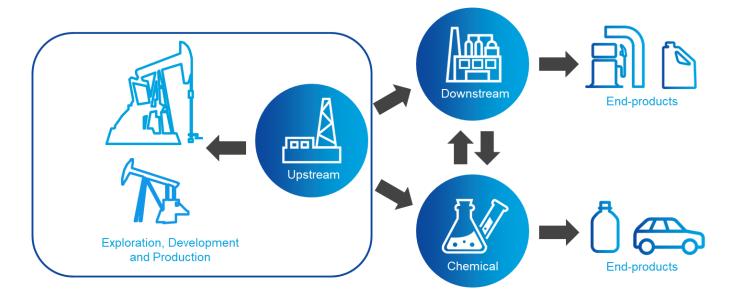
Corporate Functions

Global Trading

Supply Chain

Global Business Solutions

Centralized Organizations deliver full corporate capabilities to value chains









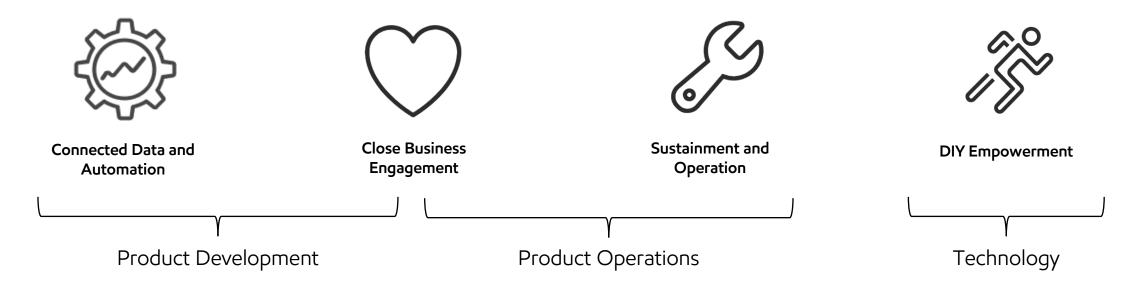


Business Digital Products

Mission

Collaborate closely with business partners and process advisors to identify and accelerate the delivery and scalability of high-value digital business solutions, while empowering people

Goals



Common Use Cases at ExxonMobil



Data entry & management

(anywhere Excel is used)*



Manual Workflows

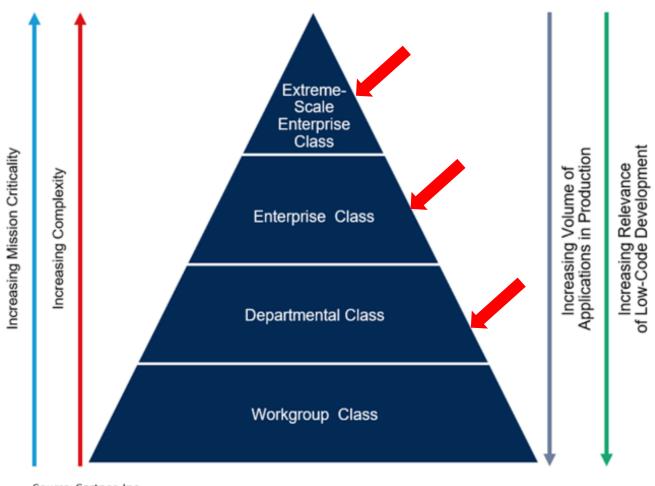


Integration with other Microsoft products

Power Bl
Azure DevOps
SharePoint
Azure Data Explorer

We Challenge Perception on Low Code in ExxonMobil

Pyramid of Applications



Source: Gartner, Inc.

Products Highlights







Enterprise
Annual Maintenance Plan

Production Optimization Opportunity and Risk Management

Digital Shift Handover

as part of

as part of

prevents

ExxonMobil
Maintenance Transformation

ExxonMobil
Production Optimization
Transformation

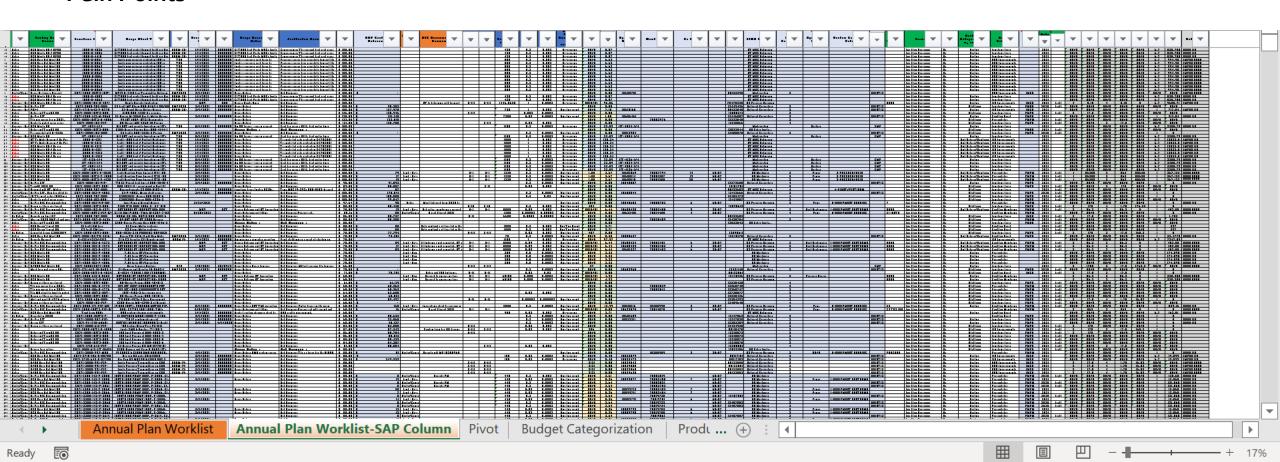
Process Safety Incidents

Annual Maintenance Plan

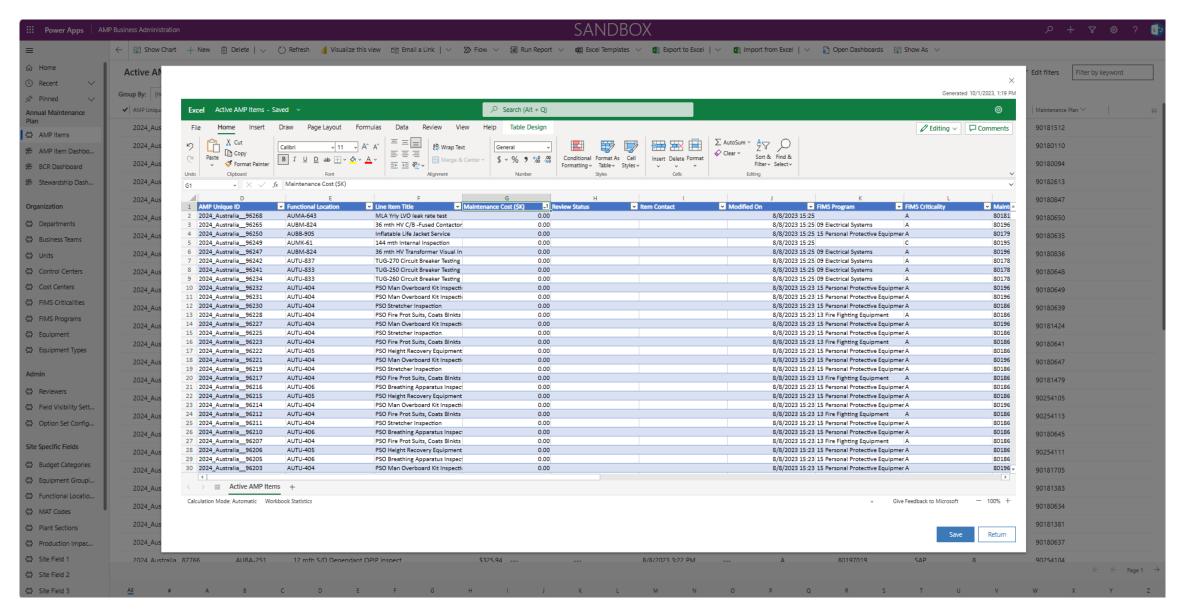
Risk-based Work Selection (RBWS) with zero-based budget development approach

- Risk scenarios is essential part of AMP
- Central playground with common repository with security, transparency and accountability

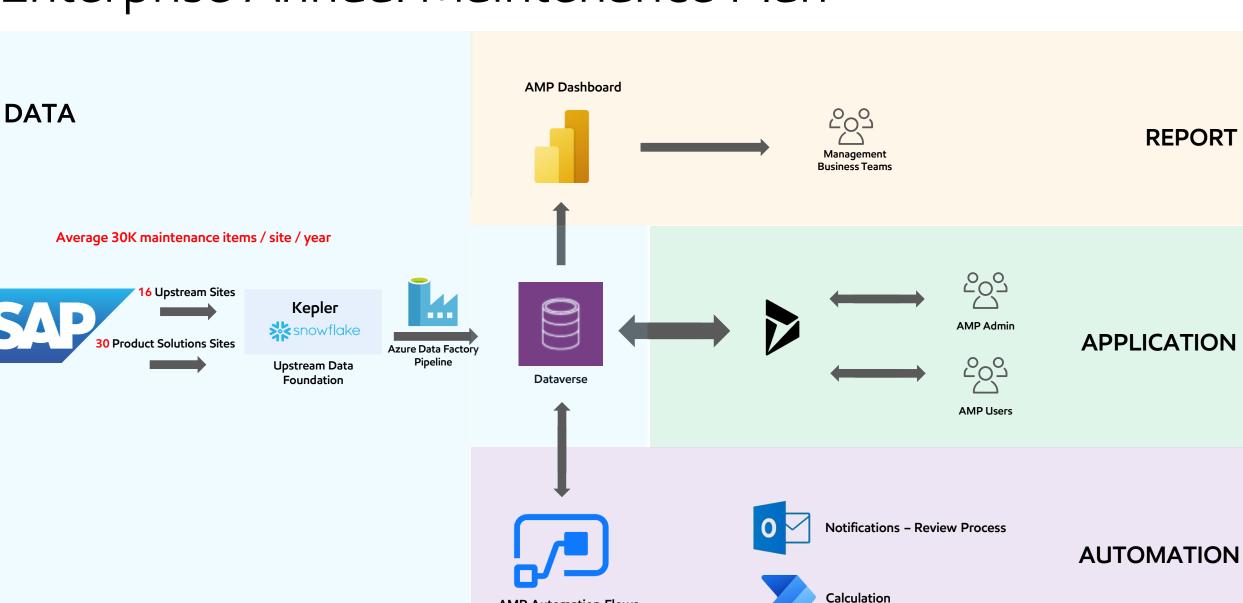
Pain Points



Digital Annual Maintenance Plan



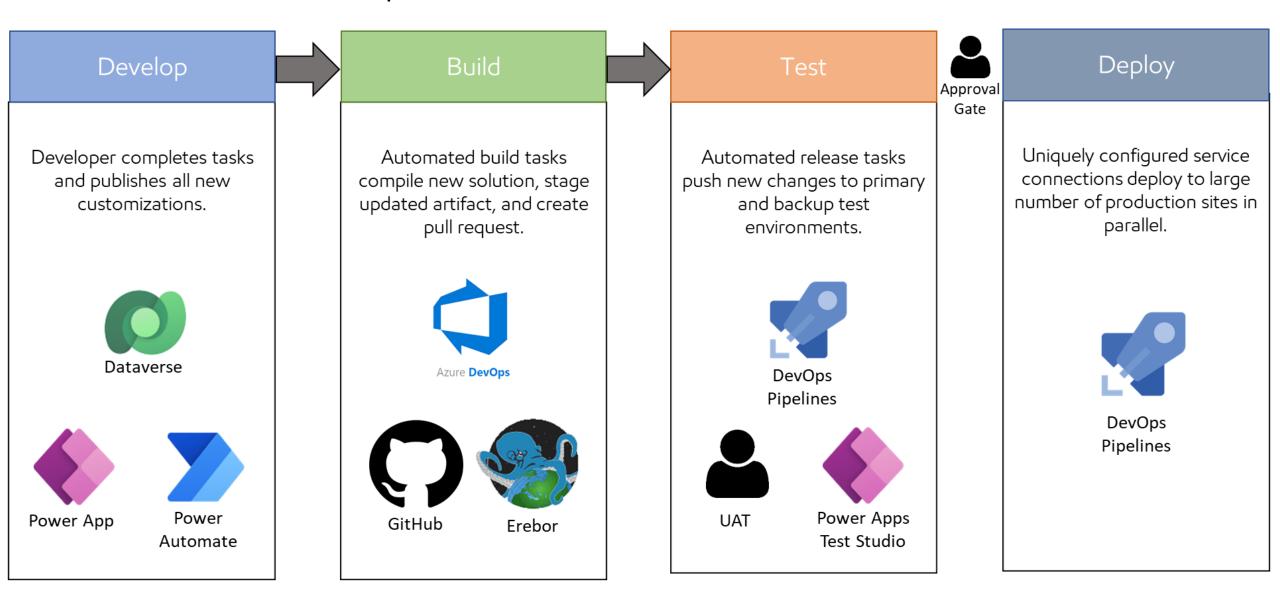
Enterprise Annual Maintenance Plan



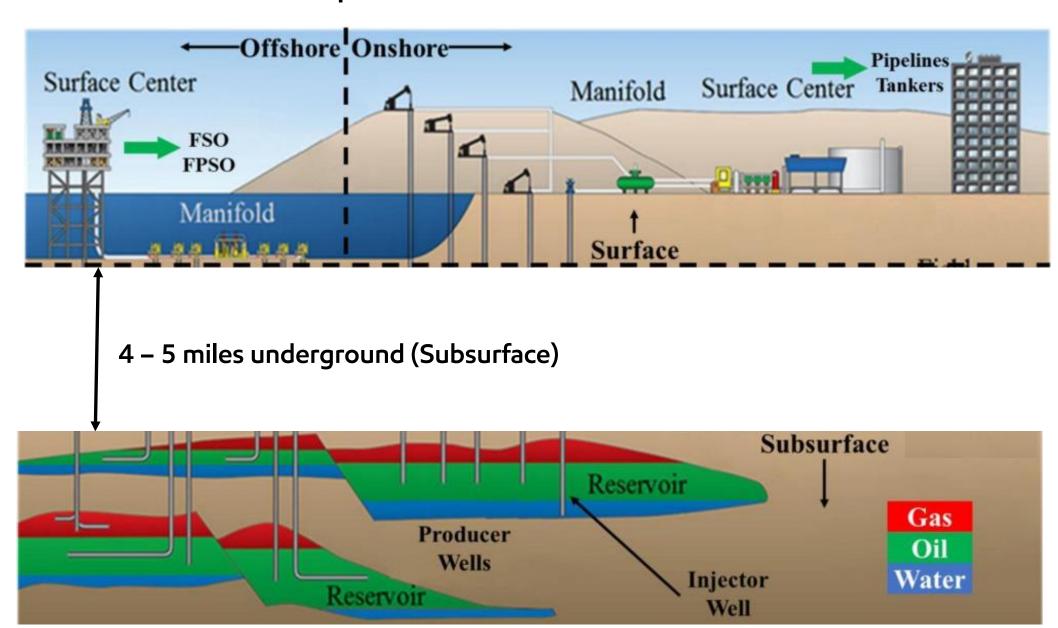
AMP Automation Flows

Annual Maintenance Plan CI / CD Process

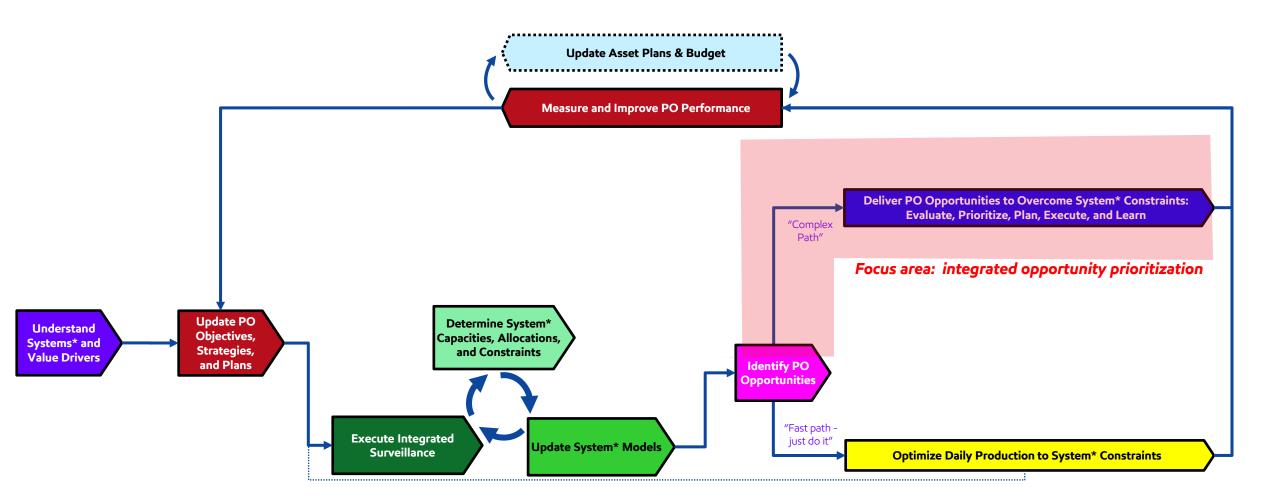
for 1 dev – 4 test – 46 prod environments



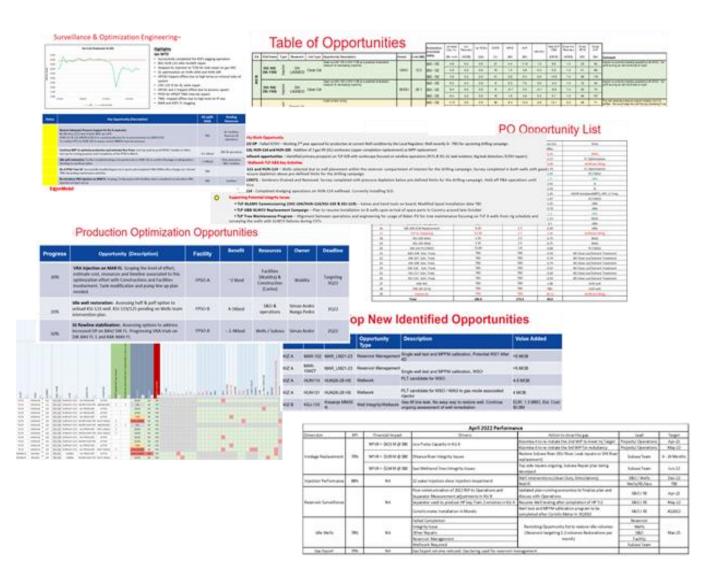
Production Optimization

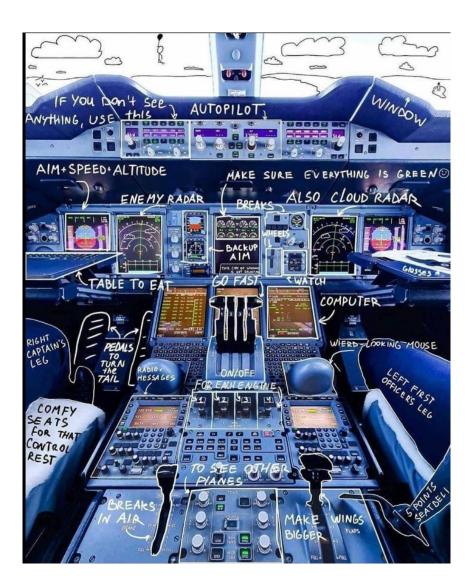


Production Optimization (PO) Workflow

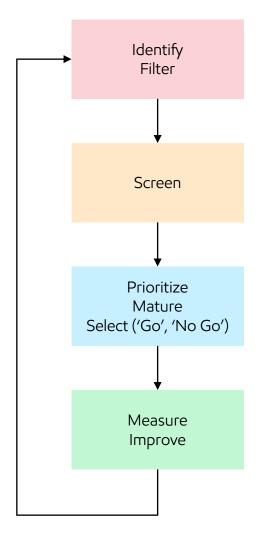


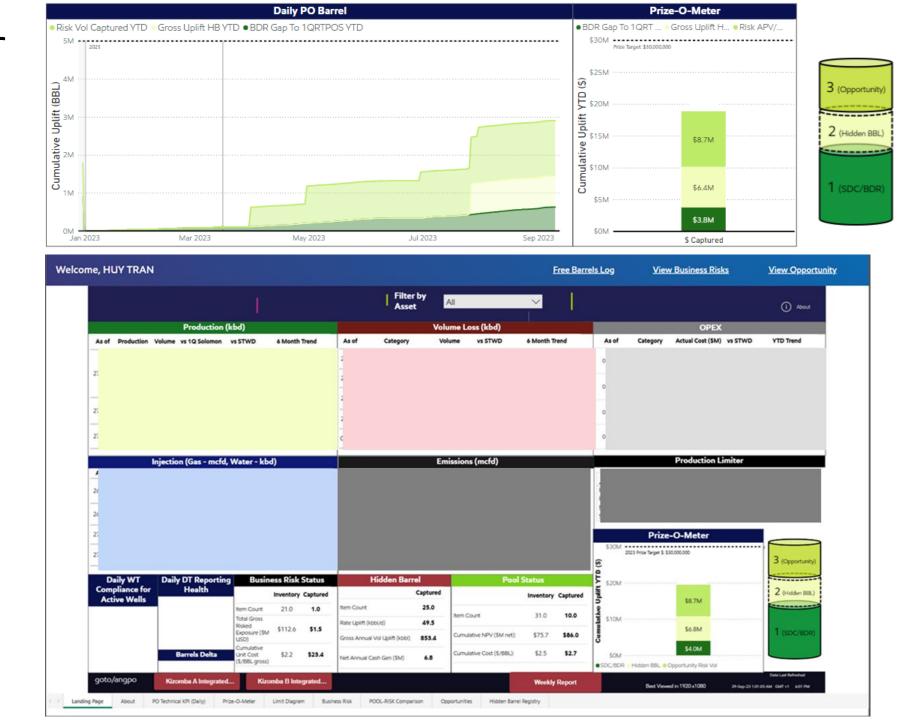
Increase Production (aka make more money) by Removing Constraints from Reservoir to Sales Point



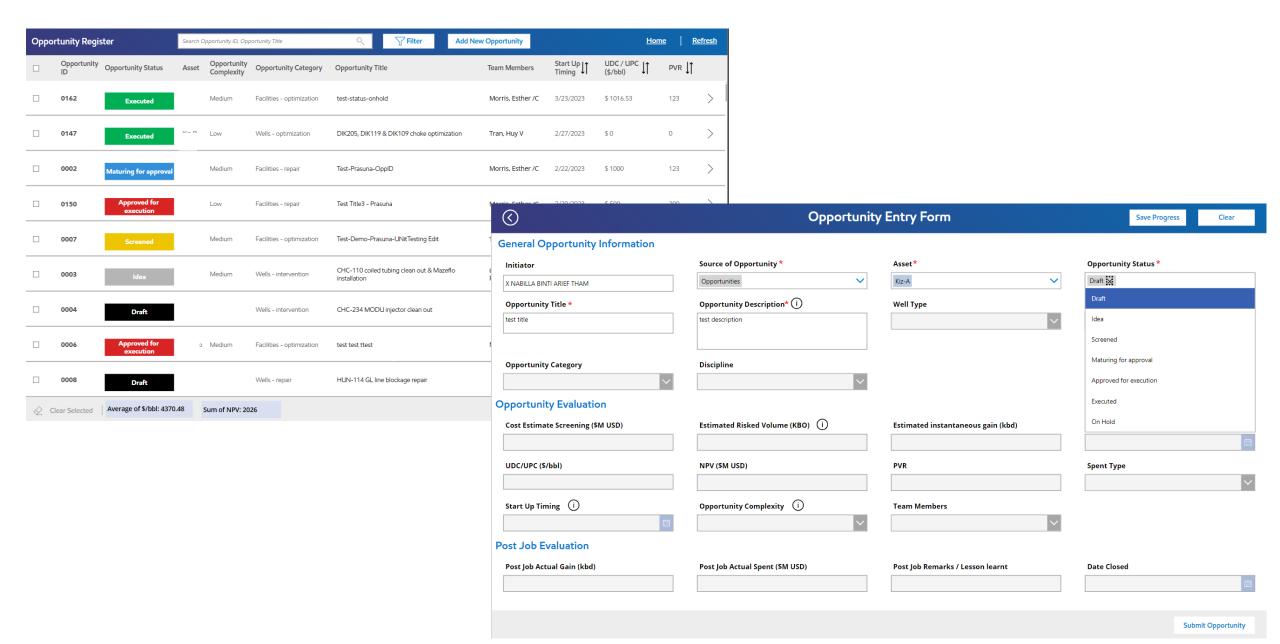


Prize-O-Meter





"POOL" Gallery and Form



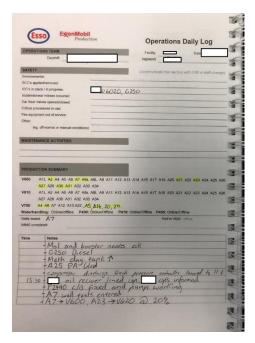
Cost vs. Benefit Curve



Shift Handover

Case for Action

- Communication failures at shift handover result in 50% of Process safety incidents
- Handover processes were mostly manual (paper logbooks, email, verbal)
- Site handover practices deviate from Best Practice expectations
- Significant risk of miscommunication and relevant information being forgotten





Australia USA



50% of all operating mistakes happen in the first 30 minutes after a shift starts

Digital Shift Handover

- Standardize processes to significantly mitigate miscommunication and omitted / forgotten relevant information
- Enhance site safety, efficiency and reliability
- Leverage ADX high frequency data connector to capture facility equipment status at the time of handovers
- Rolled out at first Upstream site in Oct 2022.
 - 10,000+ handovers effectively exchanged by 130 operators

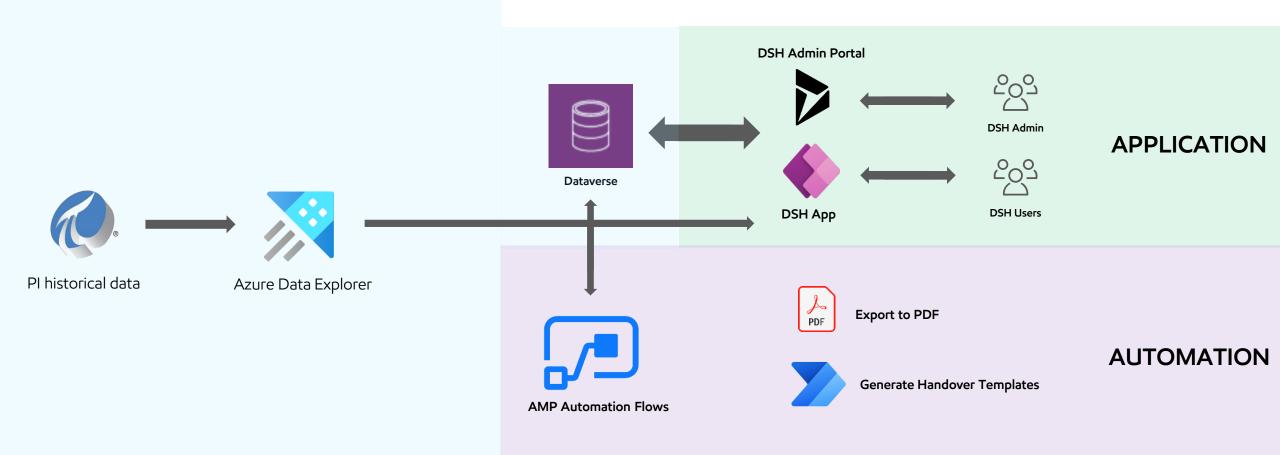
Benefits

- \$80K productivity gain
- \$10K downtime reduction.
- \$300K process safety incident prevention. Assumption of preventing on Tier 2 event @ 5K bbls production impact (using past incident in as a reference)
- Deploying to Angola and Nigeria by the end of 2023

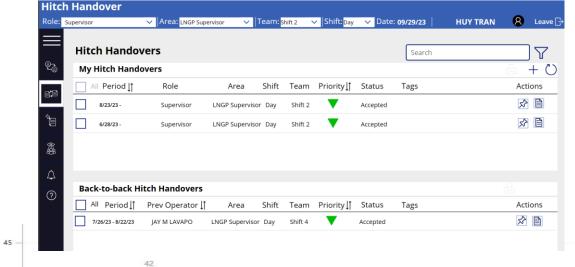


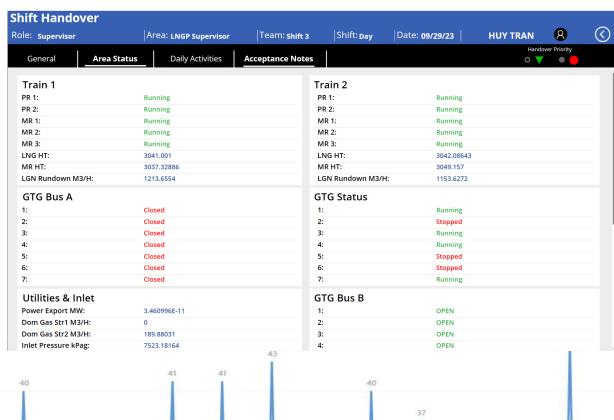
Digital Shift Handover

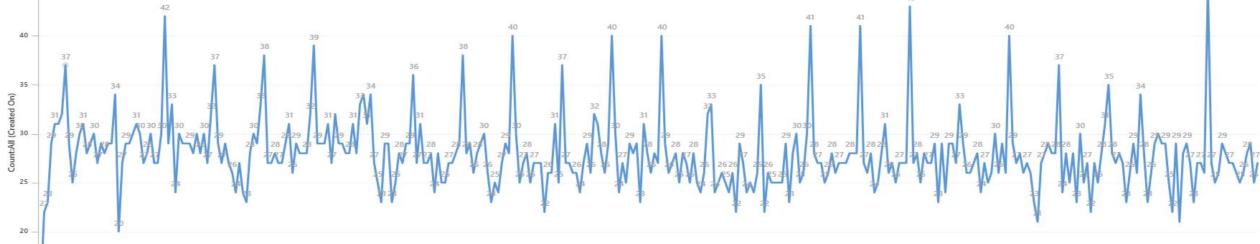
DATA



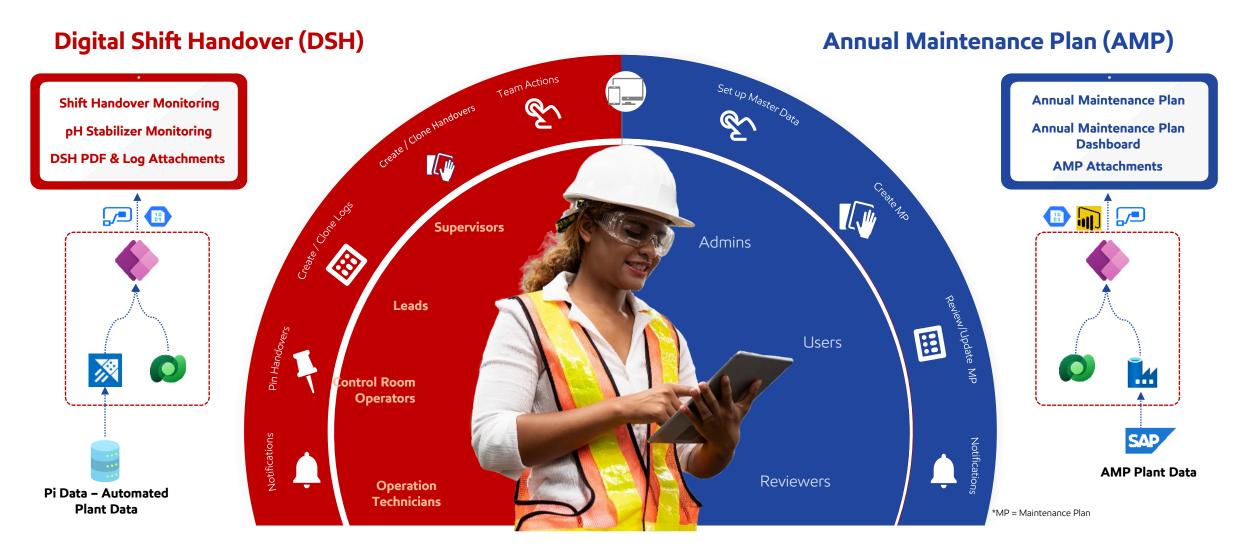
Digital Shift Handover







High Impact Digital Products

















Keys to Success







BUILT FOR AGILITY



DESIGNED FOR SCALE



INNOVATION MINDSET



ONE TEAM MENTALITY



INDUSTRY EXPERTISE

Bringing the best to ExxonMobil

A Unique Partnership

As the #1 Microsoft strategic partner

we unlock the value of cloud and drive transformative business outcomes at speed and scale for our clients



20+

Years Accenture. Avanade & Microsoft Have teamed together



35K

Projects delivered

10 Industries

Retail, CPG, Health, Banking, Public, Automotive, CMT, Energy, Utilities and CMT



6K+

Power Platform Specialists



100K

Microsoft-skilled resources



Platforms, Assets and Accelerators



20 +

In this many Industries



Microsoft Alliance SI Partner of the Year



2023 Low Code Partner of the Year

A 360° relationship developed over decades to help clients achieve more with innovation



Unrivaled business and industry insights

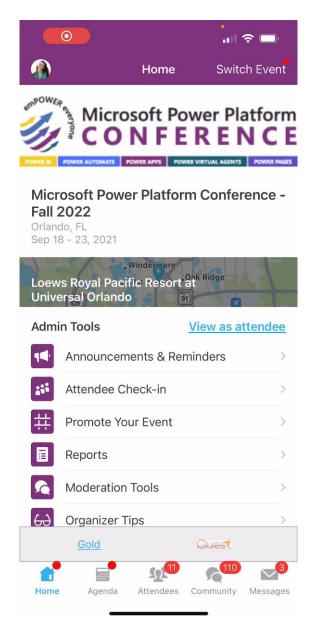


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- Scroll down on the homepage to 'Additional Resources' and click 'Surveys'.
- Click 'Session Feedback'.
- Scroll down to click on this session title.
- Complete the session feedback survey.
- Finally, click 'Submit'

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