

Agenda







Project Scope & Deliverables



Lessons Learned



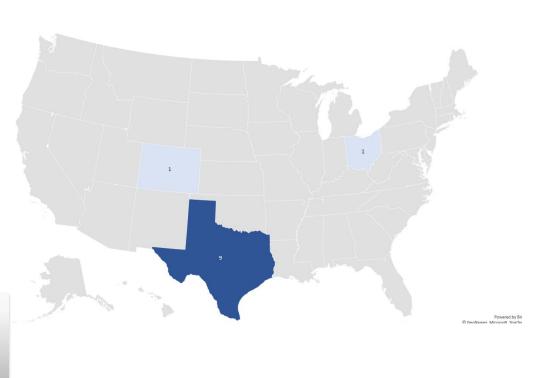
What's Next?

Introduction



- Robert PhelanSAP Development Manager
- Joined MPC during acquisition of Andeavor Energy in 2018





About Marathon Petroleum





~18,000 employees



2022 revenue \$157B



13 Refineries across the U.S.

Approximately 3MM barrel per day refining capacity



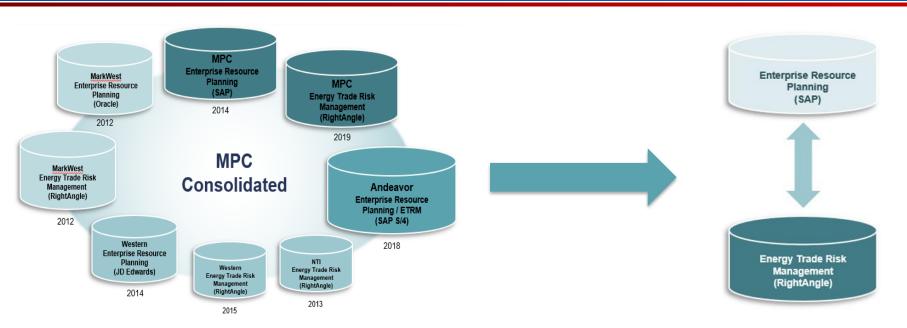
8 Renewable Fuel Facilities



Marathon Oil <> Marathon Petroleum

The Project Unify Story





Prior to Unify, we had a fragmented system landscape that included four distinct ERP and four separate Energy Trade Risk Management (ETRM) systems

5

Project Unify

Benefits



Previous State



Disparate and decentralized systems and processes



Increased workload and limited time for optimization due to inefficiencies



Slow to respond to issues or problems



Data and transactions are not standardized



Reporting differs, causing inefficient analysis and difficulty understanding results

Bridging the Gap



Current State



Everything in one system; integrated, common tools



Easier, standardized processes



Improvements in forecasting and reporting



Less manual effort leading to faster processing



Common understanding of process and data

Project Overview



Vision and Guiding Principles



Our Guiding Principles follow our Vision

Implement a world-class enterprise management information system providing high-quality results enabling optimum decisions with one source of truth



Standard Business Processes



Accelerate Business Improvement



Standardize Critical Data



Lead the Change



Position for Future Technology Advances

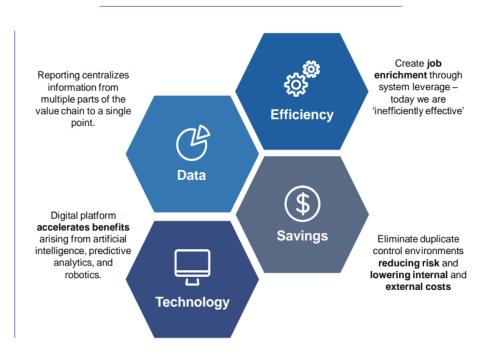


Implement with High Quality and Reliability



Flexible and Scalable to allow Changes to Business

End State Benefits



Project Unify

Scope







Energy Trade Risk Management (RightAngle)

PTP - Procure to Pay

Process of procuring materials and services including receipt and payment activities

RTR - Record to Report

Process of recording all general ledger transactions to Central Finance and consolidated reporting

EAM – Enterprise Asset Management

Process of managing and executing maintenance and repair activities including longer term shutdown, turnaround, and project activities

PFI - Product Forecast to Invoice

Process of product forecasting through invoice generation

HSC – HydroCarbon Supply Chain

Process of purchasing crude and feedstocks to satisfy refinery demands, and also the bulk activity necessary to supply the rack sales forecast demand, additional bulk sales and light product exchanges

Business Process Areas by Workstream



RTR

- Manage Financial Master Data
- Perform General Ledger Transaction Processing
- Perform Allocations
- Perform Financial Close
- Perform Intercompany Accounting and Reconciliation
- Perform FERC Accounting
- Perform Financial Reporting
- Perform Management Reporting
- Perform Debt Activities
- Perform Customer Billing and Invoicing
- Process Payment and Cash Application
- Manage Asset Master Data
- Perform Asset Accounting
- Manage Customer Information (Receivables Management)

- Manage Customer Credit (Receivables Management)
- Manage Collections and Disputes (Receivables Management)
- Perform Credit Scoring (Receivables Management)
- Perform Credit/AR Reporting
- Manage Project Master Data
- Initiate Proiects
- · Perform Project Accounting
- Manage Bank Master Data
- Perform Bank Processing
- Manage Rebate Master Data
 Perform Rebate Processing
- · Perform Rebate Reporting

- Contract Management Ariba/CLM
- Operational Contracts / Pricing
- Strategic Sourcing in Ariba

PTP

- Supplier Qualification and Registration
- Catalog Management in Ariba
- Vendor Classification and Spend Reporting
- Process Purchase Requisition
- Process Purchase Order
- Process PO Confirmations
- · Supply Chain Reporting Requirements
- Inbound Processing and Receipt Confirmation
- MRP-based Detailed Scheduling

- · Outbound Processing
- Cycle Count/Physical Inventory process
- · Warehousing & Storage
- Stock Transport Orders (Transfers)
- Returns Processing
- Batch/Serialization
- Refurbishment
- · Process Invoice
- Managing Outgoing Checks
- Processing Outgoing Payments
- ERS / Progress Payments
- Process Close-Out Transactions/ Reports

EAM

- · Plant Maintenance
- Shutdown Turnaround
- · Reliability Methodology/Requirements
- Preventative Maintenance
- Document Management
- Organization Structure and Master Data
- Capital & Expense Projects

MDG

- Financial Master
- Vendor Master
- Customer Master
- Material Master

HSC/PFI

- Petrochemicals
- Asphalt
- Heavy Products
- Natural Gas
- Crude
- NGLs
- Truck Freight
- TMIS
- Transaction Upload
- Allocation Manager
- Kittyhawk
- Non-RightAngle Interfaces

Release Schedule by Asset Group



Multiple Release Strategy

Group 1

Jan 2023 Go-Live

Group 2

May 2023 Go-Live

Group 3

Aug 2023 Go-Live

- Eastern Refining & Marketing Locations
- All Corporate Functions

- Central US Locations
- Southern California

 Northwestern Locations (WA & AK)

Release Schedule by Asset Group



Office Locations

All items

Refinery Locations

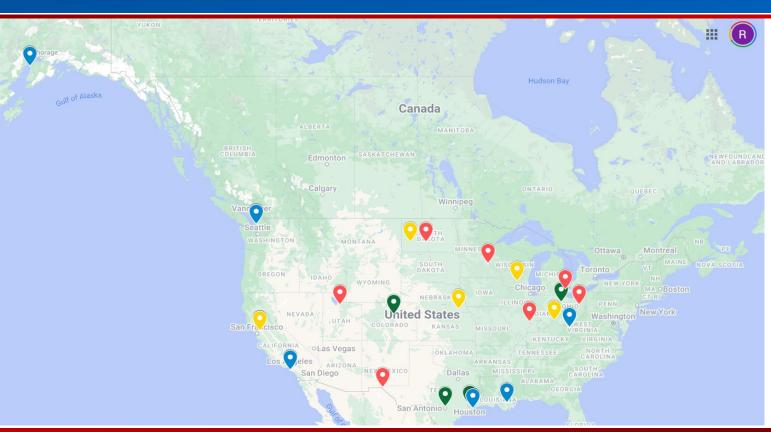
All items

Marine Locations

All items

Renewables Locations

O All items



Project Unify

By the Numbers



965 People Assigned to the Project (MPC Employees + Contractors)

3.3 Million Hours Worked

Feasibility

- 165 Workshops
- 710 Gaps Identified

Implementation

- 18,000 Build/Config Items
- **523** RICEFW Objects
- **42,494** Hours of Dev. Work
- **16,000** Business Requirements
- **11,500** Defects
- 4.1 MM Data Recs Converted

Testing

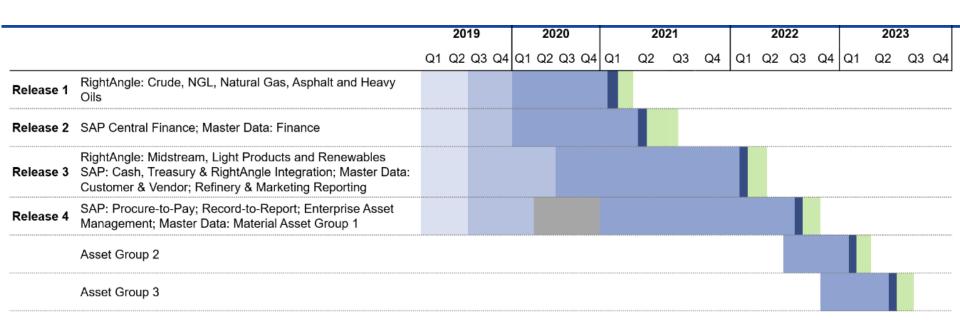
- 22,209 Test Cases Passed
- **51,000** Test Runs

Go Live

- **5,040** Hypercare Tickets
- **1,000** Facilitated Sessions
- **13,000** Training Attendees
- 11,000 Virtual Trainings

MARATHON

Multiple Release vs. Big Bang Go-Live



Multiple Release vs. Big Bang Go-Live



Pros

Testing

Fewer concurrent support items

Mult. Smaller go-lives vs. 1 go-live

Cons

Resource needs – need more otherwise burnout

The workstreams span multiple releases. Working on new work at the same time as PRD Support for Release go-live

Coordination

Conducting business in multiple ERPs simultaneously

Interim Processes/Interfaces



Full backing of leadership

- Past experiences asked for 4 developers for 6 months for a project then told 2 developers for 4 months to get it done.
- Junk gets moved to PRD. More difficult to clean it up once the data is there.

Realistic Timelines are critical

Data, Data, Data

- "Pause" during COVID allowed for focus on cleaning up master data.
- Two major delays in the project, and both were data-related.



You *need* a process for everything, and everyone needs to follow those processes

- · Streamline onboarding!!!
 - This is critical. Dozens to hundreds of contractors on your project.
- System Access Requests, Role Authorizations, Code Reviews, Transports
- Good Communication

Standardize Trackers for easier reporting

Centralized and *Easy-to-Access* Project Documentation

SharePoint / Teams Sites etc...

Automate as much as possible using appropriate tools

- This takes time up front, but will save you ongoing effort and time
- · Automated Testing
- Automated Code Reviews
- Transports
- We even have a RICEFW ID Generator



Choosing a quality partner is important	Labor shortage coming out of COVID
People and Change Enablementdo not forget this!!	Traveling Roadshows, cheat sheets, knowledge base articles -> AI (MQ)
Take care of employees on the project	This will be a multi-year endeavor & they will see off-project employees taking advantage of open positions and/or promotions.
Realize people have lives outside of work	May not be able to work extended hours/weekends for long periods of time.

Now that we're LIVE, what's next?



UPGRADE!

CLEAN CORE MIGRATION

OF SAP DEVELOPMENT

- Brand-new instance is 4years old
- Planned upgrade completion Q2 2024

- Working w/SAP Max Attention to upskill developers
- Currently 91 services available

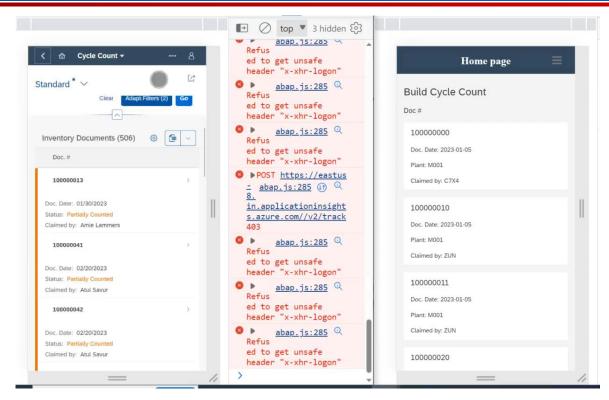
https://discovery-center.cloud.sap/serviceCatalog

What does the future look like?



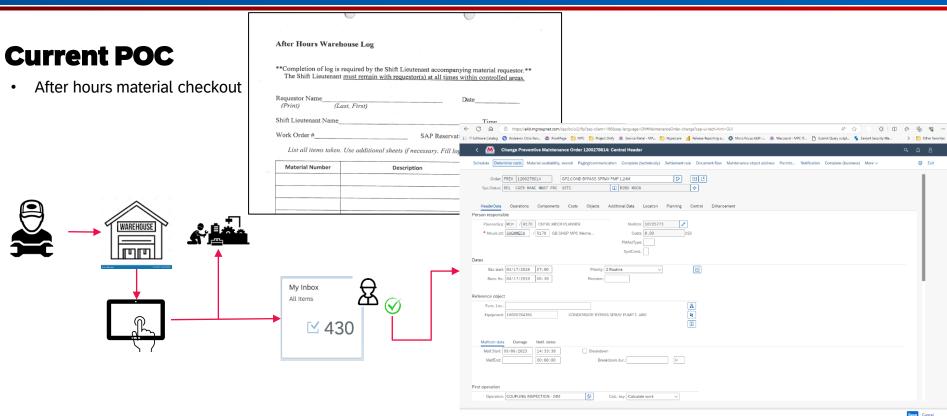
Near-Term

- Address the backlog
- Citizen-developer tools to automate processes and build mobile applications
- Drag and drop tools with standard SAP integrations
- Building governance



What does the future look like?





What does the future look like?



SAP Build Work Zone Advanced Edition

- Secure login & single sign-on
- Access to SAP & non-SAP systems
- · Integration of custom applications
- · User-specific personalization
- Integration of unstructured content
 - Web Content
 - Documents
 - Texts
 - Images
 - Video
- Interactive workspaces ("Collaboration Rooms" or "Workspaces"), can be created by the users!



THANK YOU!!!





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