



Incorporating Legacy Information into the PODS™ Data Model

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Presentation Overview

- Koch Pipeline Company, L.P. Project
- Project Considerations
- Source Data Considerations
- PODS™ Considerations
- Conversion Considerations
- QA/QC Considerations
- Go Live, Sustain & Improve



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Koch Pipeline Company, L.P. Project

- **Pipeline Data Conversion Project Scope**
 - Pipeline Data and property outlines from alignment sheets
 - 8,000+ miles of active pipelines
 - 1,800+ miles of inactive pipelines
 - 43,000+ miles of divested pipelines
 - PODS™ version 3.15
- **Software**
 - E.S.R.I.® / ArcMap™ / ArcInfo™ / SDE™ / Microsoft SQLServer
- **Tools**
 - Alignment Sheet Generator / DB Maintenance / Electronic Forms / Web Distribution / DB Loader / Interfaces to other systems



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Project Considerations

- **Data Conversion – Key Points**
 - Vendor or In House
 - Affected by level of automation and integration with other systems
 - Ties to historic information and records
 - Base Map
 - Tracking of data and version
 - What to do with updates/changes during conversion
 - Future enhancements



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Source Data Considerations

- **What Data to Convert**
 - Centerline
 - Event Data
 - Other
- **Where is your best data**
 - Alignment Sheets or Survey Data
 - Databases / Spreadsheets or other systems
 - Is the data up to date and complete?
- **Data Format**
 - Hard Copy
 - Electronic



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PODS™ Considerations

- **Line, Route & Series**
 - How does this fit your pipelines?
- **Linear vs. Point**
 - Are sleeves a Point or Linear event? Valves and Tees?
- **Gaps and Overlap rules**
 - No gaps or overlaps in pipe segments, what about coating
- **Database issues**
 - Additional tables, fields or lookup codes
 - Is History in your future
 - Integration with other systems



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Conversion Considerations

- **Data Standards**
 - Naming and unique ID's
 - Lookup codes, descriptions and comments
 - How to deal with incomplete data
 - How to track source data/documents and version
- **Data Categories and Level of Conversion**
 - Active, Inactive, Divested, Others
- **Vendor Selection**
 - Look at the intangibles
 - Look for well defined and documented internal processes
 - Review standards, deliverables and timeline expectations



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QA/QC Considerations

- **Centerline Position**
 - Who and How to verify
- **Event Data**
 - Consistency & Completeness
 - Position accuracy along the centerline
- **PODS™ Structure and Rules**
 - Centerline, geometry & Line, Route, Series
 - Gap & Overlap rules
 - Duplicate and coincident data
 - Lost points
 - Your additions of tables, fields and constraints
 - Codes match code lists



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Go Live, Sustain and Improve

- **Go Live**
 - All at once
 - Incrementally
- **Sustain**
 - Training and Day to Day use
 - Business processes
 - Accessibility of data and reports
- **Improve**
 - Data completeness, consistency and accuracy
 - Processes for capture, maintenance, distribution & utilization
 - Future enhancements and integration possibilities



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Question and Answers

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