PODS™
Pipeline Open Data Standard
PODS 2025 International Forum Dubai
Voco Bonnington Dubai
Dubai, UAE – February 13-14, 2025

# Welcome from Executive Director

- Safety Moment
- Agenda Review
- PODS Overview
- Thanks to our sponsors
- Survey

# Safety Moment

There are no planned drills in this building today so if you hear an alarm, please exit the building and muster in the front parking lot.

# Agenda – Thursday, February 13

| | |
|---|---|
| 08:00 AM | *Coffee & Check In* |
| 09:00 AM | Welcome & Opening Remarks from PODS Executive Director, **Monique Roberts** – Committees, Working Groups, & International Chapters Update |
| 10:00 AM | Technical Presentation & Panel – Fundamental Understanding of PODS 7 & Modules |
| 11:00 AM | *Break & Networking* |
| 11:30 AM | **Petro IT** – Technical Presentation |
| 12:30 PM | *Lunch* |
| 2:00 PM | **Petro IT** & **ADNOC** Panel |
| 2:30 PM | **Geonamic** – Technical Presentation |
| 3:30 PM | *Break & Networking* |
| 4:00 PM | **Geonamic** & **OQGN** Panel |
| 4:30 PM | *Wrap Up & Review of the Day* |
| 5:00 PM | **Happy Hour!** |

PODS™
Pipeline Open Data Standard

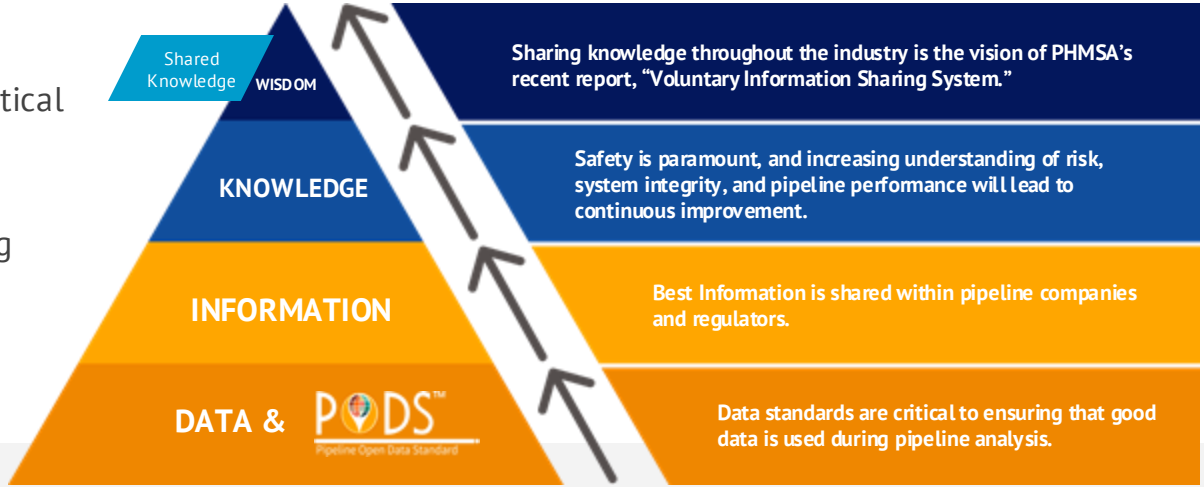
25 Years

# THE Industry Standard and Community for Efficient Pipeline Data Management

# Why Are Pipeline Open Data Standards So Important?

- Use of technology and data standards increases safety and integrity
- Asset Knowledge Management and the Digital Twin
- Data is an asset and mission critical for optimizing in-ground assets
- Pipeline data continues growing exponentially

## PODS:
## The Foundation for Shared Knowledge




*Operator designed to comply with regulations, support specific pipeline operations and decrease risk through the digital twin / asset knowledge management*

Let's Work Together

# Mission Statement

Develop and advance global community focused on safety, asset knowledge and pipeline data standards to support efficient data management and reporting for any energy infrastructure industry such as Natural Gas, Hazardous Liquids, Water, and Renewables.

PODS mission is in two parts:

- ☑ Expanding and maintaining the only geospatial model specifically designed by the pipeline industry for pipeline operators with a focus on pipeline safety, single-system-of-record for pipeline asset locations and specifications, regulatory/integrity management, and inspection analysis.

- ☑ Supporting a community of innovative thought leaders with resources focused on pipeline safety, digital asset knowledge management and the energy transition.

We Align With You

PODS
Pipeline Open Data Standard

# Vision Statement

PODS Association will become the global community leader in pipeline data standards and best practices. Collaboration with the PODS member community will ensure the development of pipeline data models that are designed to support optimized and safe pipeline operations. PODS will be the best choice in any transmission, gathering and/or distribution pipeline industry.

Together we are growing our membership with a focus on the smaller operator and adding more value to all of our members by building a pipeline community focused on the entire asset lifecycle of pipeline safety, integrity and operations data. PODS vision is to be a hub for thought leadership, networking, data standards, and information via resources such as our learning management system and education library, scholarships, curated free live data layers, federal and state specific regulatory updates, and industry specific technical solutions.

# **PODS** Strategic Plan & Goals

1. Establish a single logical data model
2. Communicate with members and stakeholders
3. Standards implementation guidance and training
4. Retain, sustain, grow and engage membership

# PODS COMMUNITY

The Pipeline Open Data Standard (PODS) Association is a non-profit member-driven community providing the exclusive data model standard built by and for pipeline operators. Over the past 25 years, the PODS standard has been adopted by pipeline operators, service providers, vendors, and regulatory agencies for managing pipeline spatial data worldwide.

PODS members are thought leaders and innovators who share knowledge and expertise to build and maintain the only geospatial data model specifically designed by and for pipeline operators.

**PODS Impact: Providing a Pipeline Community Focused on Pipeline Safety & Asset Knowledge Management**

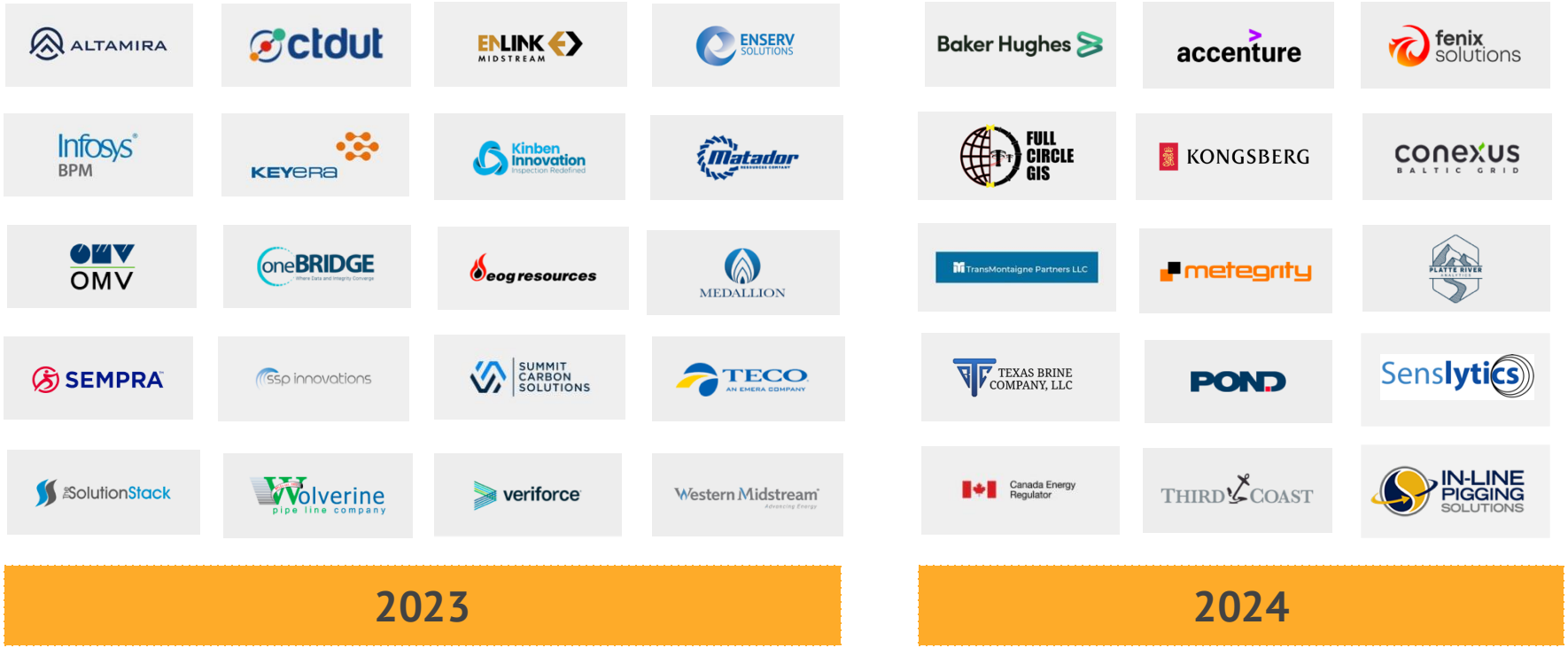
**200+ Pipeline Operators • 39+ Countries • 3 Million+ Miles of Pipeline Assets and Systems**

# Board & Officers Logos

PODS™ Pipeline Open Data Standard

# Trade Association Partners Logos

# Welcome New Members




2023

2024

# PODS Membership

As a PODS Member, your organization becomes a part of a global network of over 200 companies in 39 countries, associations, and agencies to access a wealth of technical knowledge and experience.

Members pay dues annually, share innovation and work collaboratively to develop, maintain, advance and refine the PODS Data Model, discuss new technologies, share passion about pipeline safety and create best practices related to the digital twin and asset knowledge management.

# PODS Membership Categories

**Large Operator $8,500 USD Annual Dues** - Large companies that own and/or operate large pipeline systems with thousands of miles/kilometers of pipelines and the stations/facilities that connect them. (BP, Enbridge, ADNOC, Chevron)

**Small Operator $3,250 USD Annual Dues** - Smaller companies that own and/or operate pipeline systems with hundreds of miles/kilometers of pipelines and the stations/facilities that connect them. (Air Liquide, OQGN, Cheniere)

**Micro Operator $1,000 USD Annual Dues** - PODS is thrilled to support Micro Operators, who own or operate under 100 miles/kilometers of pipeline infrastructure.

**Service Provider $3,500 USD Annual Dues** - Vendors, suppliers, developers, consultants, technology companies, EPCs, and any other company that supports pipeline operators in the safe construction, operation, integrity and maintenance of their systems.

**Government & Trade Associations $1,000 USD Annual Dues** - PODS has many partners in pipeline safety such as national, state and local government agencies tasked with regulation of pipeline infrastructure as well as the many industry and trade associations that support innovation and collaboration.

# PODS Membership Benefits

- Any employee of your organization may register as a user with full access to the PODS standardized data model, advanced reviews and new releases.
- Great connection in a growing international community of asset operators and service providers.
- Member directory with detailed information on services provided by vendors as well as asset and contact information for operators.
- Invitation to all PODS events, PODScasts and socials (at no cost) where you can network with other PODS users online and in person.
- Education resources and certifications via the TEE Center (Training, Education, and Events) and Education Library.
- Use of the Data Resource Center featuring live, curated, and publicly available data.
- And much much more!

# PODS Community Membership Benefits – Operators

**Spring Forum** | April 28, 2025

**Pipeline Open Data Standard Association**

*THE* Industry Standard and Community for Efficient Pipeline Data Management

Join Today at www.PODS.org

PODS
Pipeline Open Data Standard

Join over 120+ **Pipeline Operators** who share the Power of PODS. Members gain the benefit of:

- Full access to the PODS industry standard data model.
- Defined governance and mapping/modeling - Eliminating the worry of missing data for regulatory, compliance, reporting, and risk.
- Providing an expanded resource center for data, regulatory information, and an upcoming Learning Management System
- Be a part of a community that has a leading network for sharing knowledge and experiences within pipeline safety and data.
- In person and online events for all members to grow their knowledge and network.

**It's Time to Be Powered by PODS.**
**We Know Where Your Data Needs to Be.**

# PODS Community Membership Benefits – Service/Software

# Thank you to our Sponsors

## PODS PRINCIPAL PARTNER:

## GOLD

geonamic integrity matters

Petro IT Solutions with Integrity

MAGNOLIA RIVER

## SILVER

GLOBAL INFORMATION SYSTEMS

# PODS Dubai Presentation Sponsors

# PODS International Chapters

International PODS Chapters exist to foster local and regional networking, to provide a local voice to the PODS Board of Directors and to support the global PODS mission, vision and goals.

The Chapter Principals are advisors to the PODS Board and, as such, are leaders in their industry and will be entrusted to oversee a team to organize and manage local content and activities as well as convey topical and timely information to the PODS Board and Community specific to their Chapter.

Our network of International PODS Chapters – Middle East, South America, Asia/Oceania, and Europe – are critical for achieving the global PODS mission, vision, growth, and goals by acting at the local/country/regional level, working in conjunction with the global PODS Board and TCG (PODS Technical Committee for Data Governance).

*Asia/Oceania*

*Europe*

*Middle East*

*South America*

**200+**
Pipeline Operators

**39** Countries

**3 Million+**
Miles of Pipeline Assets and Systems

# PODS COMMUNITY EVENTS

- PODScast – Esri: Quantifying ROI from GIS and PODS Investments - March 5
- PODScast - Petro IT - April 9
- PODS Spring Forum – Houston April 28
- Esri ERGIS Houston – April 29 – May 1
- AGA OpCon, Expo & Committee – GIS & ARM – Aurora, CO – May 5-8
- PTC Berlin – May 5-8 (PODS Panel /Digital Twin & Global Women in PL)
- PODScast – Magnolia River: Integrity Module on PODS 7 – Mid June
- PODS Operator Only Webinar – July
- GTI SAGE (Statistics, Analytics, and GIS for Energy) Conference - Chicago - August 13-14
- PODScast - Geonamic – September
- AGA Committee Meetings - Sept 29 - Oct 3 – Orlando
- PODS Fall Forum - Houston October
- ESRI Pipeline Seminar - Houston – October
- Esri ERGIS EU - London and PODS presentation – November 4-5
- PTC Asia – Kuala Lumpur, Malaysia November 11-13

Save the Date

# Spring Forum

## Monday April 28, 2025

We have a discounted rate room block at the Embassy Suites for the week.

- Renewals went out on October 1st
- What do we want to do next?
  Make sure to fill out the survey.

# PODS Data Model Benefits

- Open ESRI Compatible Platform
- Database Architecture for a Linear-Referenced Database
- Standardizes and Modernizes Data Management and Reporting
- A Business, Risk, Compliance and Decision-Making Tool
- Pipe-centric Approach to Managing Pipeline Data in a Single Data Repository

Asset knowledge is essential to confident compliance, enterprise risk management, and serves as the base for a modern operator's management systems. As most significant incidents have shown, asset knowledge is paramount to safe operations.

# PODS Data Structure

The Pipeline Open Data Standard (PODS) Data Model provides the database architecture pipeline operators need to submit regulatory reports, store critical information, analyze pipeline systems data, and manage geospatial data in a linear-referenced database which can be visualized in any GIS platform.

The PODS Data Model brings optimized performance to members for business functionality, decision making and risk management by supporting the entire asset lifecycle in new and established programs.

The PODS Pipeline Data Model houses what pipeline companies have deemed mission-critical to successfully managing natural gas, hazardous liquids, renewables and water pipelines.

- Construction (As-Builts)
- Regulatory Compliance
- Inspection
- Risk Analysis
- Integrity Management
- Maintenance & Operations Data

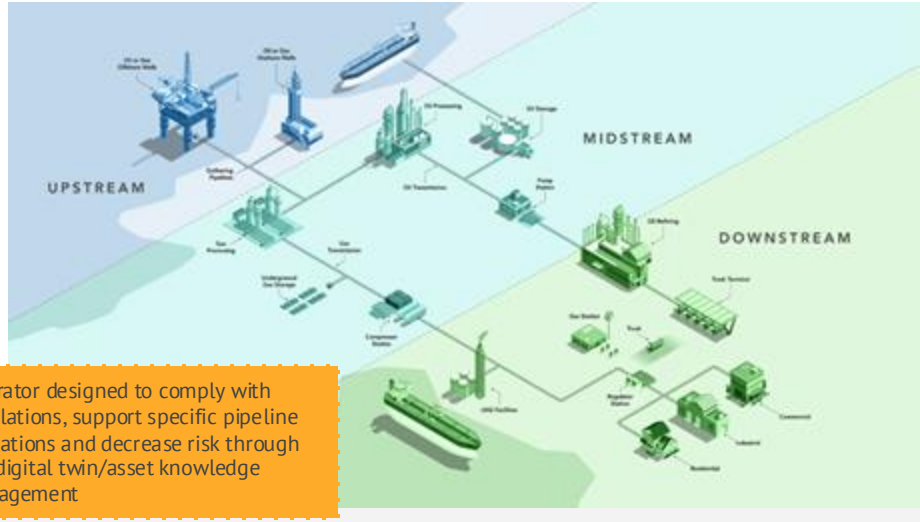
**Pipeline Operators must have transparency to their assets in the field and in real-time.**

Referencing and integrating all data (including all ILI data) within a spatial context helps provide pipeline operators with a definitive view or digital twin of their pipeline and systems for optimized asset knowledge management.

# PODS 7

## Realized Objectives

- Support world-wide deployment, not just North America
- Respond to new and changing business requirements (regulations, technology) via working groups.
- Optimize performance in the face of increasing data volume, variety and velocity.
- Establish a single, simplified, logical data model that can be deployed as vendor-neutral, GIS-agnostic, RDBMS specific.
- Development and stewardship of an open-interchange specification for data sharing, transfer and schema/data validation.
- Create a platform than can support the full energy infrastructure system, entire asset lifecycle and prescribed business processes.




Operator designed to comply with regulations, support specific pipeline operations and decrease risk through the digital twin/asset knowledge management

### A Decision-Making Tool
Integral to engineering and operational decision-making about pipelines and facilities.

### Compliance Reporting
Provides a consistent means of compliance reporting and data benchmarking, driving standard regulatory reporting into the future.

### Industry Experience
Designed and maintained by industry SMEs with thousands of years combined experience.

### Scalable & Extensible
Uses latest technology for database sharing, retrieval, reporting and integration to adapt to changing business and technical landscape.

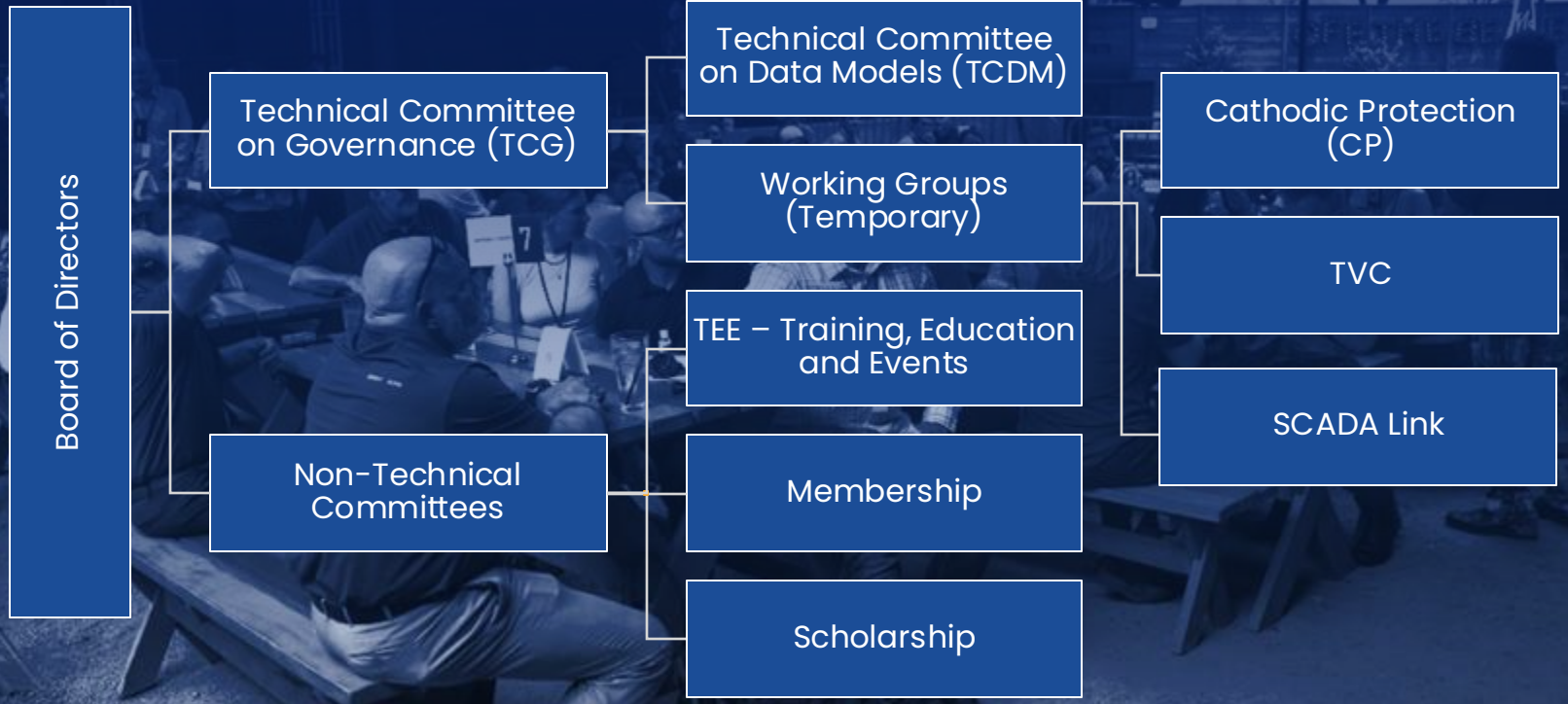
### Flexible
Provides maximum flexibility by allowing pipeline operators to implement and configure the data model to meet unique business needs and challenges.

### System Integration
Integrates with business systems and asset management tools enterprise-wide.

### Interoperable
Robust data exchange mechanism enables users to seamlessly share data within and between organizations. Occurs through standard data models and a consistent application interface.

### Optimized Performance
Optimized performance for managing extremely large data sets, including inspection data, re-routes/ historical information, and asset digitization. Provides controls for quality assurance.

# Committees & Volunteers



# New PODS Modules, Focused on Integrity and Regulation: **Opening the Model to More Pipeliners**

Now more than ever, visibility and optimization of in-ground assets are vital to our industry. The rising cost of failure, the public's focus on pipelines and the energy future, and the need for data transparency and accuracy to meet new regulations and newly regulated assets… everything is changing, so PODS is also!

The PODS Data Model was built for regulated pipeline and is continuously updated as new regulations are published. In fact, PHMSA is a PODS member and uses the model as a baseline for NPMS, so having your data in PODS is the easiest way for operators to submit their annual reports and NPMS uploads.

**Our vision is to align more with the needs of operators, especially those with multiple types of assets, and offer specific data solutions geared towards risk, regulation, and compliance.** PODS will now offer two core data models - PODS 7 and PODS 7 Utility Network with the option to add regulatory and industry specific modules to PODS 7 or UPDM quickly and cost effectively. Now you can have the best of both… the industry standards of PODS and the utility network capabilities of UPDM.

# PODS Modules

## **IR** - Integrity Regulatory

Traces how IMP activities drive the repairs in the field while supporting submission of annual reports (192, 195 and TX RRC) thus improving project prioritization, identifying why you performed a task, and supporting risk analysis and calculations.

Spring 2025

## **TVC** - Traceable, Verifiable, Complete

Organizes data for calculation of operating pressure in compliance with Gas Mega, Gathering and proposed Distribution Rules as well as Hazardous Liquids Rules.

## **ILI** - Inline Inspection

Stores all ILI data with millions of data points, allowing run-to-run analysis no matter the vendor tool.

Summer 2025

## **CP** - Cathodic Protection

Integrates reporting features for in-depth cathodic protection analysis for optimized operations, while meeting the reporting requirements outlined by PHMSA.

## **SL** - SCADA Link

Includes physical ties to sensor locations along a pipeline system, such that the volume factors for line pack calculations can be automated via a Unique ID that links back to SCADA.

Fall 2025

## **OFF** - Offshore

Houses and standardizes data attributes specific to offshore pipeline systems for the first time, allowing links to 3D data for the ability to “walk the line” thousands of feet below sea level.

# How These Modules Work

## Assumptions:

- Empty schema
- Module documents any extensions to core
- Script will be used to extend the core
- Using PODS+APR as the core

## Technical Considerations to Consider:

- Are you using PODS 7, UPDM or UPDM with UNET?
- Do these schema changes impact the existing rule base and/or the network attributes?

## Module Benefits:

- Cost savings while de-siloing data
- Better transparency to Integrity Management Plan (IMP) to optimize operations
- Ease of regulation reporting for compliance

# New Modules, Releases & Technical Expansion

- Two Core PODS 7 Models Now Available
  - Utility Network
  - APR
- ILI Module– Available Now
- Integrity Tasks Module – Available Now
- SCADA Link Module – Advanced Release Available Now for Review and Testing
- Water Model – Advanced Release Available Now for Review and Testing
- TVC, Offshore & CP (Cathodic Protection) Modules– Active Working Groups
- Charter Development
  - Leaks
  - Incident Reports
  - Hydrogen
  - Carbon Sequestration

# Current Working Groups

Call for Volunteers!

- CP Module – Working Group Chair – Cody Wood jcwood@burnsmcd.com
- TVC Module – Working Group Chair – Marissa Mijal marissa.mijal@magnolia-river.com
- Offshore Module – Working Group Co-Chairs Graham Savage (BP) and Jeff Allen jeff_allen@esri.com
- Looking for chairs/charters for Leak Detection, Tanks/Facilities/Stations, Incident Reporting, Hydrogen, Carbon Sequestration, etc.
    - PODS Member Portal > Call For Volunteers!

# TEE (Training • Education • Events) Updates

**YouTube Channel and LMS**

PODS training highlights key information and value on PODS 7 from 3 difference points of view

- **Decision makers**, business value of joining and using PODS
- **PODS/GIS users**, understanding where data is stored conceptually in the model, plus how to use ESRI on PODS 7
- **IT or Service Provider Members**, configuring the PODS implementations technically and supporting the database and any software used
- Examples of recent training videos:
  - PODS 7 Data Model Diagram; How to Read the Tables with Examples
  - PODS (Pipeline Open Data Standard) Diagram:Understanding the Location Referencing or APR

# Technical Panel:
# **Fundamental Understanding of PODS 7 and PODS Modules**

# PODS Data Model Benefits

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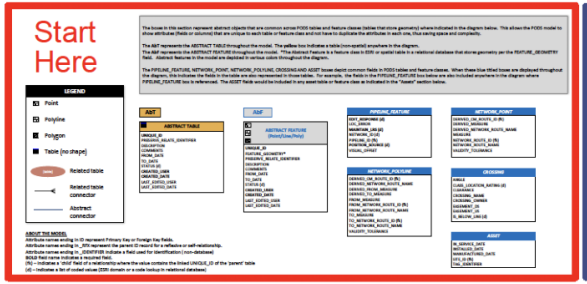
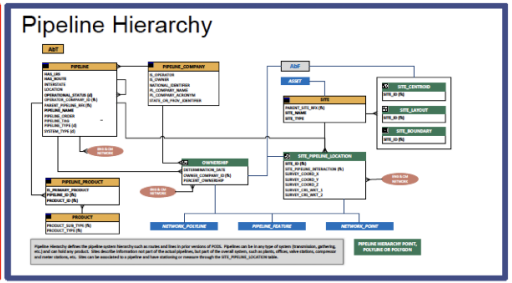
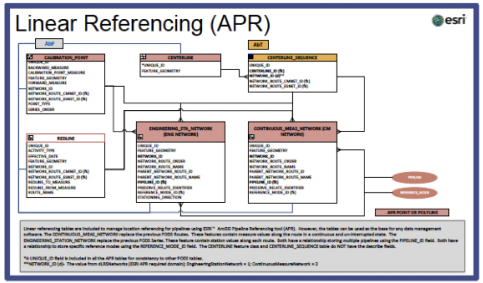
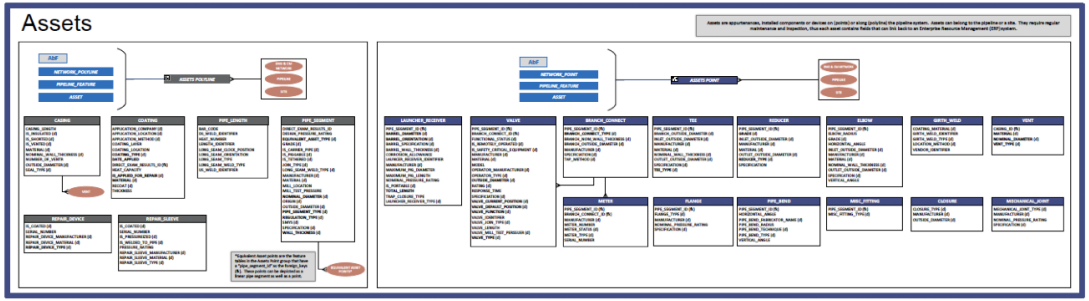
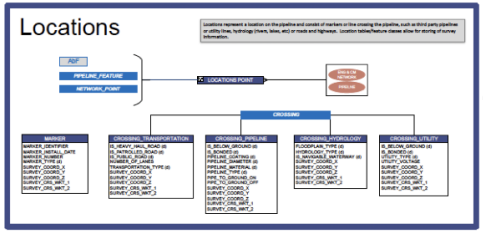
# The Pipeline Open Data Standard (PODS) Conceptual Model 7



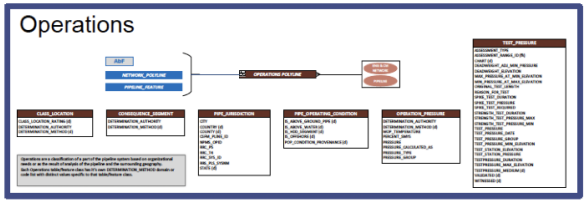



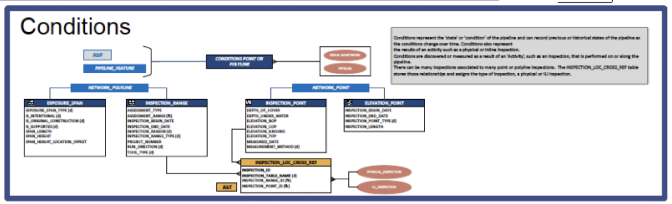



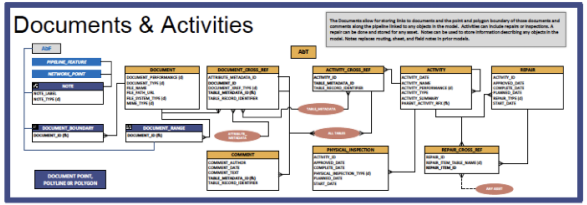



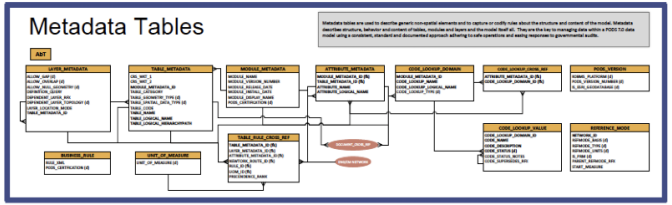




Learn more at PODS.org



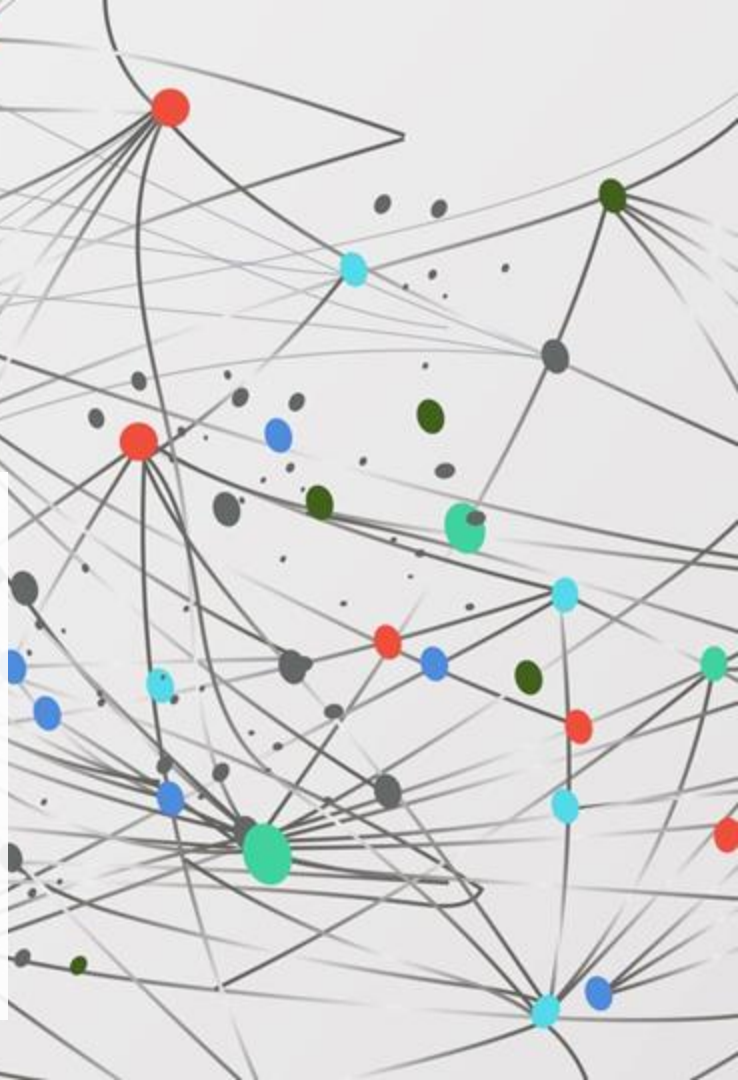
PODS
Pipeline Open Data Standard

# PODS Diagram

How to read & some examples. Let's learn!

**Jackie Smith, GIS Consultant**
**Geonamic, Inc.**

**PODS – TEE Committee Chair**



# Start Here

The boxes in this section represent abstract objects that are common across PODS tables and feature classes (tables that store geometry) where indicated in the diagram below. This allows the PODS model to show attributes (fields or columns) that are unique to each table or feature class and not have to duplicate the attributes in each one, thus saving space and complexity.

The **AbT** represents the ABSTRACT TABLE throughout the model. The **yellow** box indicates a table (non-spatial) anywhere in the diagram.
The **AbF** represents the ABSTRACT FEATURE throughout the model. *The Abstract Feature is a feature class in ESRI or spatial table in a relational database that stores geometry per the FEATURE_GEOMETRY field. Abstract features in the model are depicted in various colors throughout the diagram.

The PIPELINE_FEATURE, NETWORK_POINT, NETWORK_POLYLINE, CROSSING AND ASSET boxes depict common fields in PODS tables and feature classes. When these blue titled boxes are displayed throughout the diagram, this indicates the fields in the table are also represented in those tables. For example, the fields in the PIPELINE_FEATURE box below are also included anywhere in the diagram where PIPELINE_FEATURE box is referenced. The ASSET fields would be included in any asset table or feature class as indicated in the "Assets" section below.

**LEGEND**

- Point
- Polyline
- Polygon
- Table (no shape)
- [table] Related table
- Related table connector
- Abstract connector

AbT

**ABSTRACT TABLE**

UNIQUE_ID
PRESERVE_RELATE_IDENTIFIER
DESCRIPTION
COMMENTS
FROM_DATE
TO_DATE
STATUS (d)
**CREATED_USER**
**CREATED_DATE**
LAST_EDITED_USER
LAST_EDITED_DATE

AbF

**ABSTRACT FEATURE (Point/Line/Poly)**

UNIQUE_ID
FEATURE_GEOMETRY*
PRESERVE_RELATE_IDENTIFIER
DESCRIPTION
COMMENTS
FROM_DATE
TO_DATE
STATUS (d)
**CREATED_USER**
**CREATED_DATE**
LAST_EDITED_USER
LAST_EDITED_DATE

**PIPELINE_FEATURE**

**EDIT_RESPONSE (d)**
LOC_ERROR
**MAINTAIN_LRS (d)**
NETWORK_ID (d)
PIPELINE_ID (fk)
**POSITION_SOURCE (d)**
VISUAL_OFFSET

**NETWORK_POINT**

DERIVED_CM_ROUTE_ID (fk)
DERIVED_MEASURE
DERIVED_NETWORK_ROUTE_NAME
MEASURE
NETWORK_ROUTE_ID (fk)
NETWORK_ROUTE_NAME
VALIDITY_TOLERANCE

**NETWORK_POLYLINE**

DERIVED_CM_ROUTE_ID (fk)
DERIVED_NETWORK_ROUTE_NAME
DERIVED_FROM_MEASURE
DERIVED_TO_MEASURE
FROM_MEASURE
FROM_NETWORK_ROUTE_ID (fk)
FROM_NETWORK_ROUTE_NAME
TO_MEASURE
TO_NETWORK_ROUTE_ID (fk)
TO_NETWORK_ROUTE_NAME
VALIDITY_TOLERANCE

**CROSSING**

ANGLE
CLASS_LOCATION_RATING (d)
CLEARANCE
CROSSING_NAME
CROSSING_OWNER
EASEMENT_DS
EASEMENT_US
IS_BELOW_LINE (d)

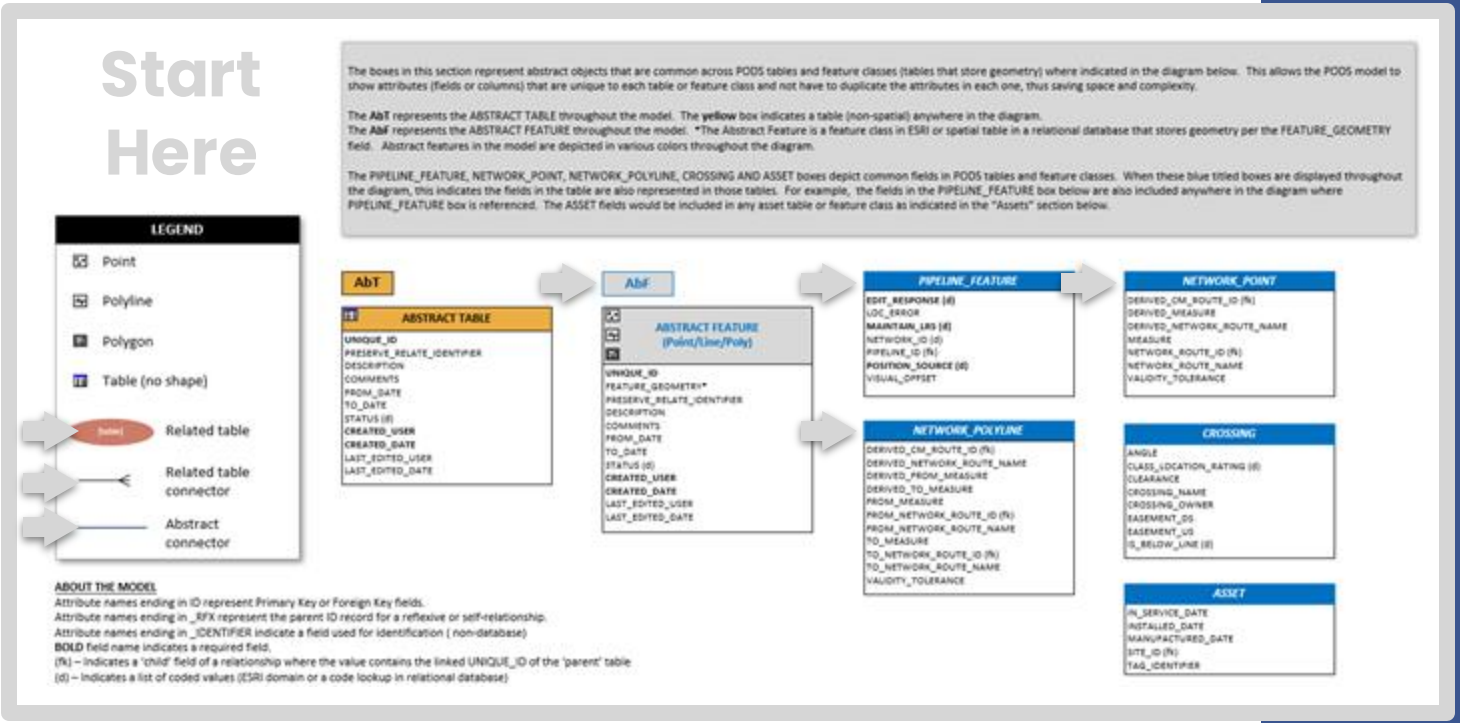
**ASSET**

IN_SERVICE_DATE
INSTALLED_DATE
MANUFACTURED_DATE
SITE_ID (fk)
TAG_IDENTIFIER

**ABOUT THE MODEL**

Attribute names ending in ID represent Primary Key or Foreign Key fields.
Attribute names ending in _RFX represent the parent ID record for a reflexive or self-relationship.
Attribute names ending in _IDENTIFIER indicate a field used for identification ( non-database)
**BOLD** field name indicates a required field.
(fk) – Indicates a 'child' field of a relationship where the value contains the linked UNIQUE_ID of the 'parent' table
(d) – Indicates a list of coded values (ESRI domain or a code lookup in relational database)

# Let's review the "Start Here" Section



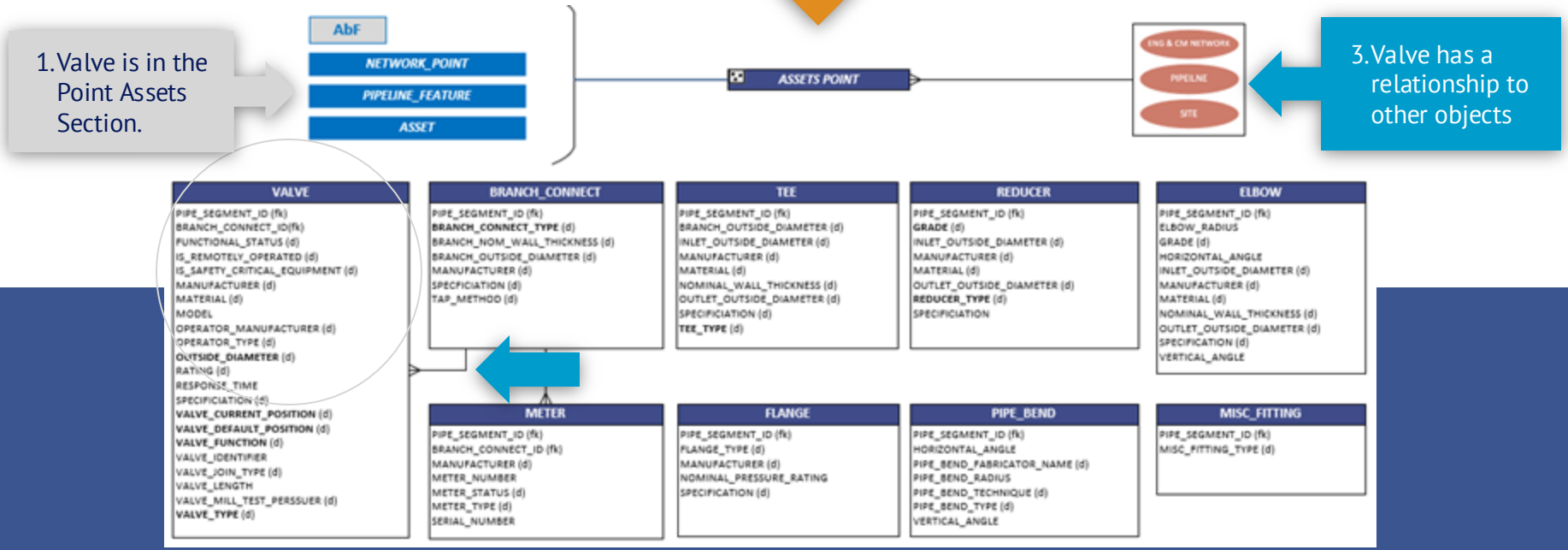

The objects are defined in the "**Start Here**" section *(see red arrows)*

# Let's look at the Valve

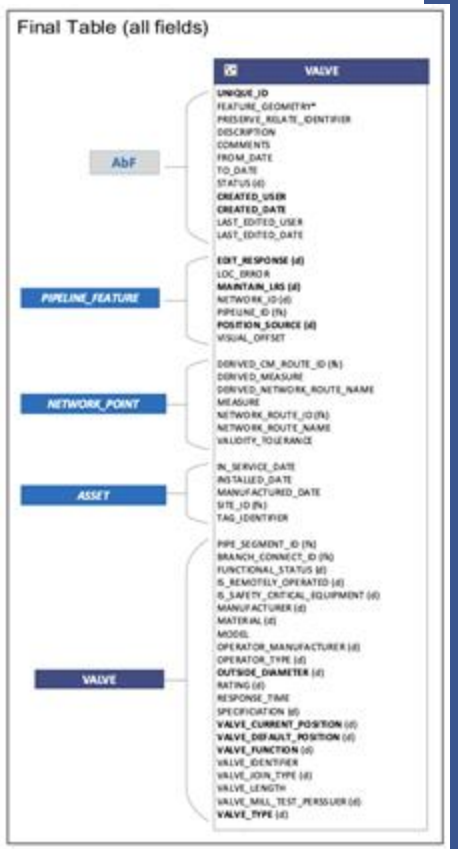
1. Valve is in the Point Assets Section.

2. Valve inherits the fields of these objects.

3. Valve has a relationship to other objects



# Let's put the objects together…
## All the Fields




The final Valve feature class table will have all these fields when implemented inside the database.

# Let's put the objects together…
# Relationships

A Valve can relate to following tables:

The **Engineering Station Network** via NETWORK_ROUTE_ID

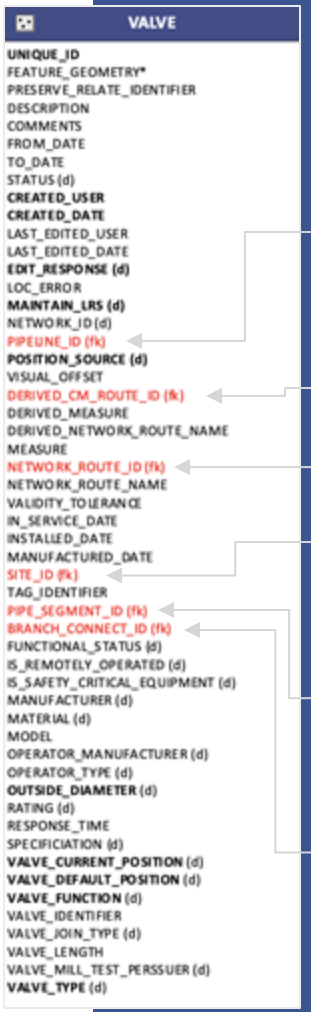
The **Continuous Measure Network** via DERIVED_CM_ROUTE_ID

A **Pipeline** via PIPELINE_ID

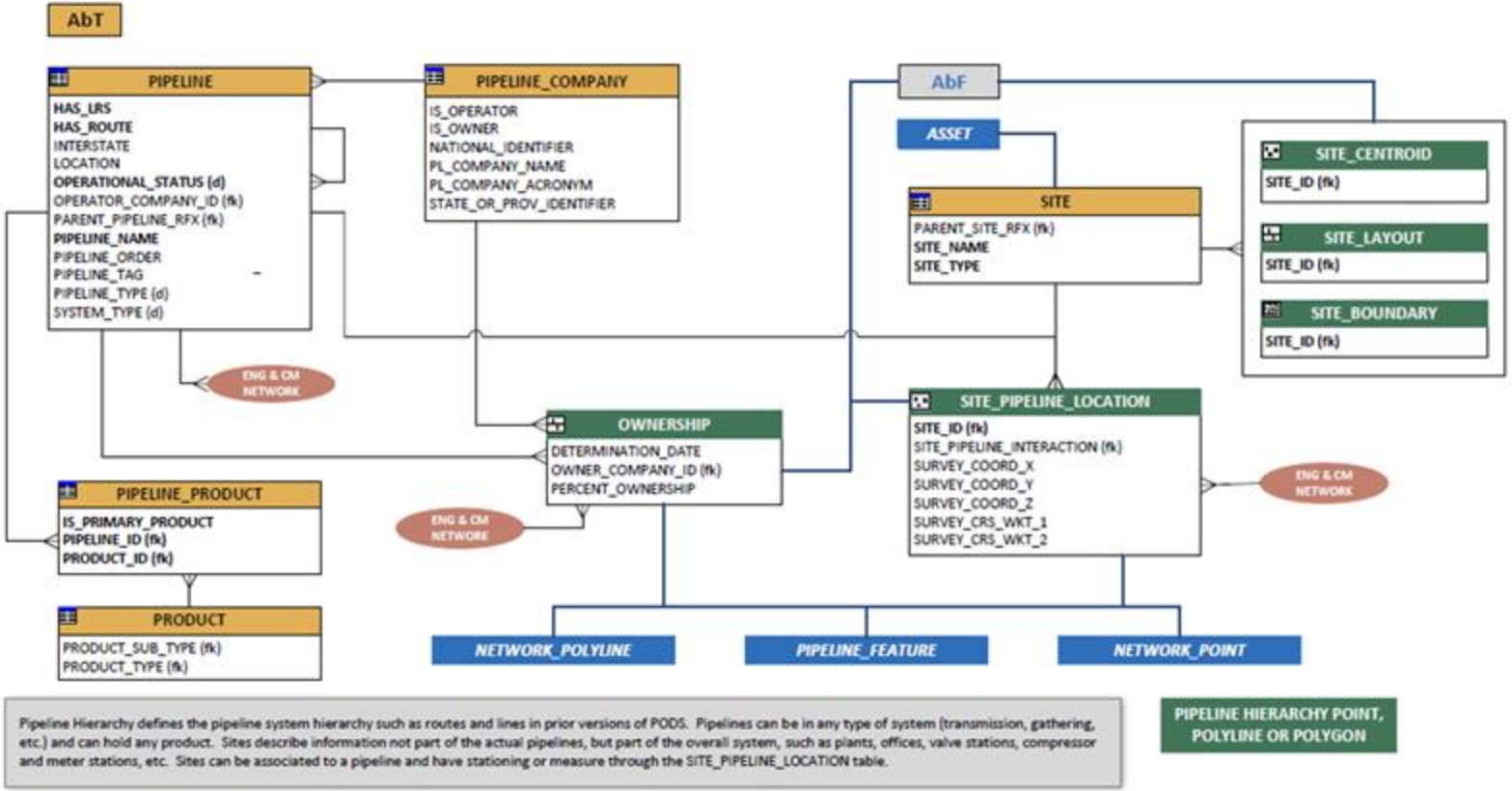
A **Site** via SITE_ID

A **Pipe Segment** (as a linear asset) via PIPE_SEGMENT_ID

A **Branch Connect** via BRANCH_CONNECT_ID



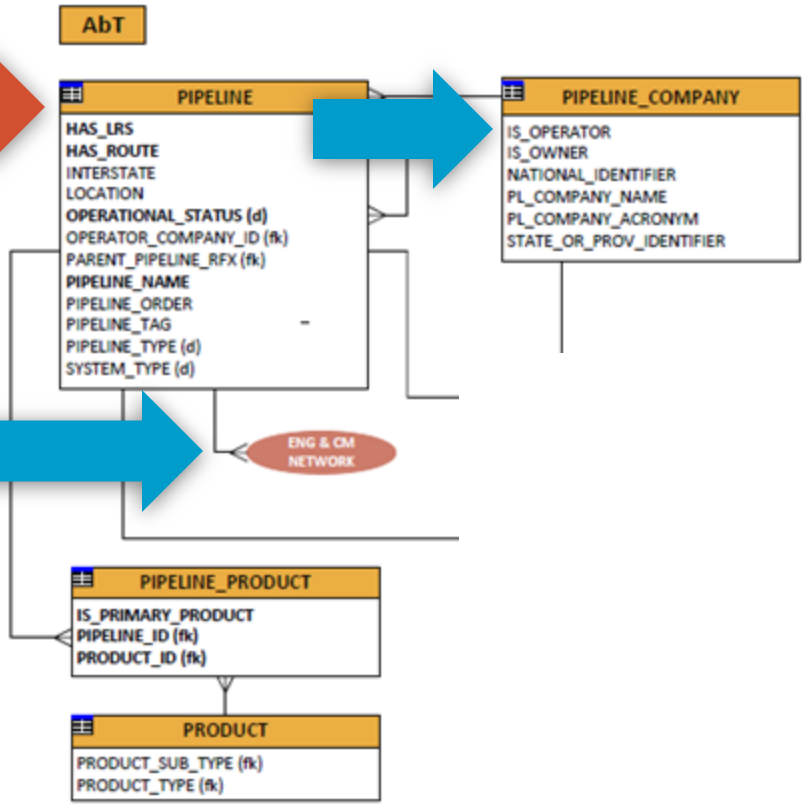
# Pipeline Hierarchy



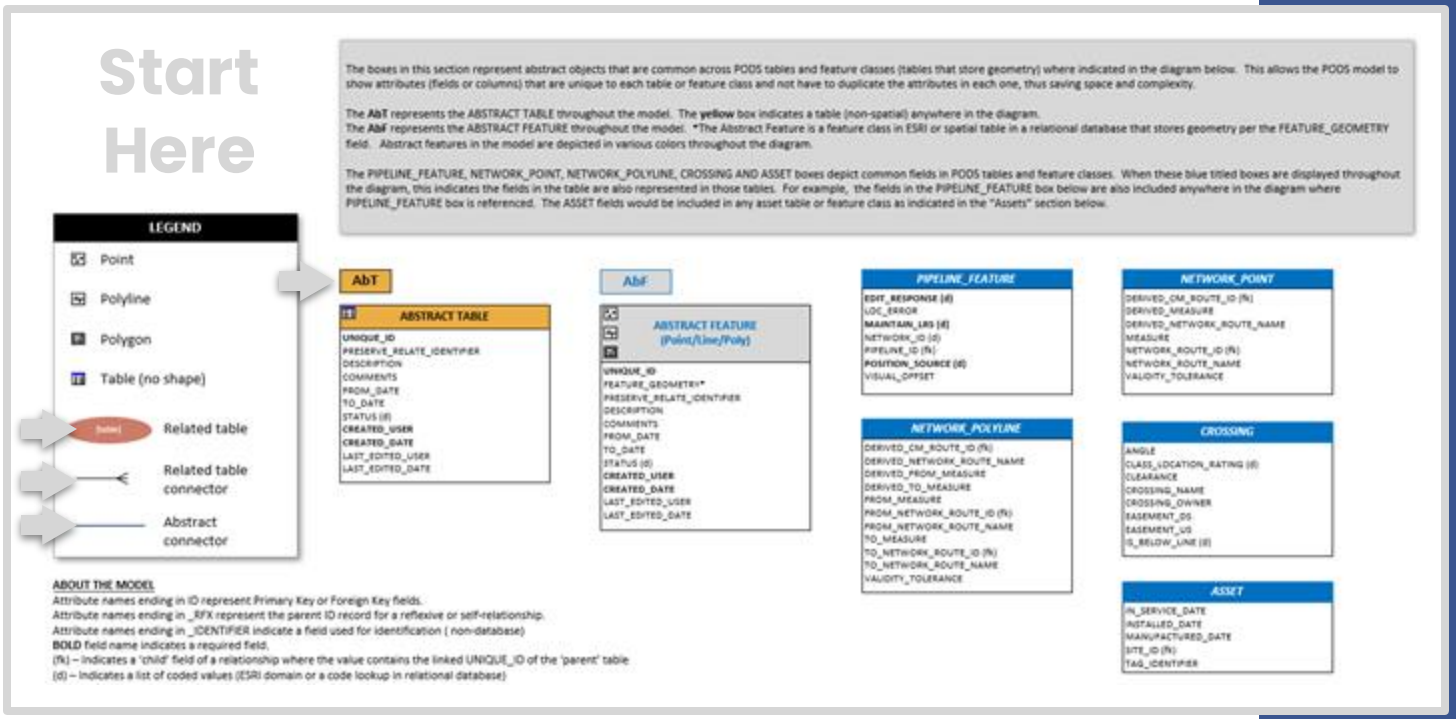
# Let's look at the Pipeline object

1.Pipeline inherits the fields of 1 object (Abt)

2.Pipeline has some relationships

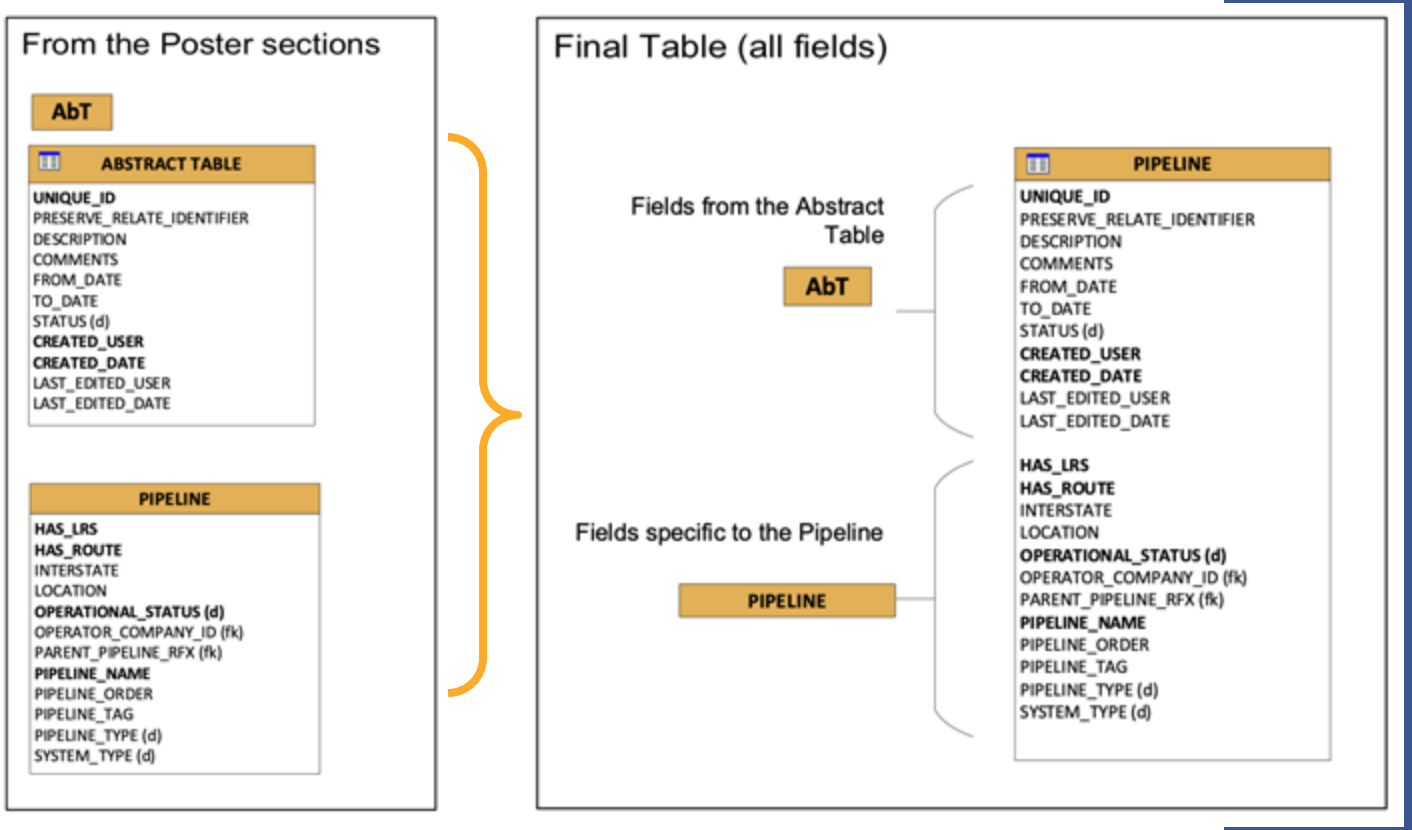


# Let's review the "Start Here" Section




The objects are defined in the "**Start Here**" section *(see red arrows)*

# Let's put it together... All the Fields




The final Pipeline table will have all the fields within the database.

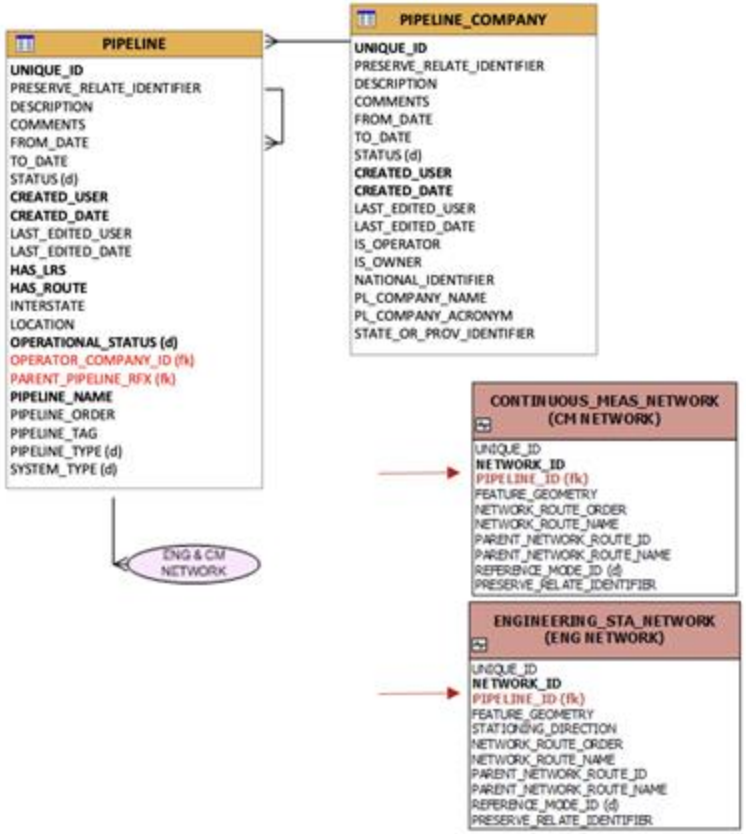
# Let's put it together...
# Relationships

A Pipeline can relate to following tables denoted by the relationship connectors:

A **Company** via OPERATOR_COMPANY_ID

A **Pipeline** (itself) via PARENT_PIPELINE_ID

The Pipeline is related back to **ENG & CM NETWORK** tables via th PIPELINE_ID in those respective tables.



PODS™
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# ArcGIS Data Dictionary

## PODS Geodatabase

Version 7.0.2 • Proposed

Date/Time Generated: 11/22/2022 5:18:06 PM

Author: PODS Next Gen Working Group

EA Repository : D:\PODS7.0.2\PODS 7.0.2_results - Final\PODS\ArcGIS-APR\enumerationToCodelistDissolvedAssociations\PODS-7-0-2-Geodatabase-XML-Workspace-APR-FINAL.eap

CREATED WITH ENTERPRISE ARCHITECT

# 7 Differences of PODS 7

1. **PODS 7 contains the required classes to work with ESRI's ArcGIS Advanced Pipeline Referencing (APR)**
   - PODS 7.03 contains both APR and Utility Network core feature classes. Both store centerline, calibration points and routes. Great for collaborating and interoperability between ESRI implementations. Which is required if you want to use ESRI APR (ArcGIS Location Referencing) to manage data on top of ESRI ArcPro.
   - PODS 7 has the flexibility to add specific modules (ILI and many others) to your current model, including UPDM, without migrating your entire database.

2. **PODS 7 has clear pipeline core hierarchy, from calibration point to engineering or continuous network**
   - Pipeline tables replace the need for line hierarchy tables from previous releases.

3. **PODS 7 uses different tables for continuous (route) and engineering (series) network line, rather than storing routes and series for both continuous and engineering stationing networks in one table**
   - Eliminating the need to use a filter to get route or series using "refmode".
   - Similarly, you can model different networks, like engineering stationing and milepost, continuous on top of one network centerline.

4. **PODS 7 includes ESRI Enterprise GIS support by adding the editor tracking fields and the from and to date fields used in ArcGIS Pro**
   - This makes the data ESRI ready for certain operations, such as editor tracking or auditing (if using ESRI to edit the data) or time analysis using the ArcGIS Pro time tools by enabling time.

# 7 Differences of PODS 7 Continued

5. **PODS 7 combined the strengths of PODS Spatial and PODS Relational into a solid and practical model**
   - PODS 7 inherits from PODS Spatial, the simple way to handle pipeline events where pipeline events are stores with station and measure, instead of station point and coordinates, meaning that a join query is not needed to retrieve event data and can improve database performance.

6. **PODS 7 has enhanced the spatial characteristics of PODS spatial model, allowing operators to add spatial column into event tables**
   - No need to store POINT_X and POINT_Y coordinates for point events
   - The spatial/geometry column also supports storing polyline and polygon easily. Those added spatial columns can be consumed by end user application and web maps if needed.

7. **PODS 7 has the ability to build and add on modules for pipeline safety via the digital twin, prescribed business processes, functional, regulatory compliance and specific operational needs**
   - PODS 7.02 includes the ILI Module which allows for run-to-run analysis no matter the tool vendor
   - Working groups are currently working to add CP, TVC and many other Integrity Task Data Tables to the model
   - The PODS Community includes PHMSA, we work hand in hand to ensure that all Regulatory, Compliance and Integrity Data is included in the model as new regulations occur.

# Questions?

# Break and Networking:
# **Up Next for Today**

| | |
|---|---|
| 11:30 AM | **Petro IT** – Technical Presentation |
| 12:30 PM | *Lunch* |
| 2:00 PM | **Petro IT** & **ADNOC** Panel |
| 2:30 PM | **Geonamic** – Technical Presentation |
| 3:30 PM | *Break & Networking* |
| 4:00 PM | **Geonamic** & **OQGN** Panel |
| 4:30 PM | *Wrap Up & Review of the Day* |
| 5:00 PM | **Happy Hour!** |

PODS™ Pipeline Open Data Standard

**Principal Partner:** esri

**Gold:**

geonamic integrity matters | Petro IT | MAGNOLIA RIVER

**Silver:**

GLOBAL INFORMATION SYSTEMS

# Technical Panel: **Petro IT** & **ADNOC**

# Technical Panel: **Geonamic** & **OQGN**

# Tomorrow's Agenda: Friday, February 14

| | |
|---|---|
| **8:00 AM** | *Coffee & Check In* |
| **8:30 AM** | Operator Only Session/ Break Out Session |
| **10:00 AM** | *Break & Networking* |
| **10:30 AM** | Awards:<br>• **PODS Leadership Award**: ADNOC, Sponsored by Petro IT<br>• **PODS Strategic Migration Award**: OQGN, Sponsored by Geonamic |
| **11:00 AM** | Final Remarks and Closing from **Monique Roberts**, PODS Executive Director |

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PODS 2025 International Forum Dubai
Voco Bonnington Dubai
Dubai, UAE – February 13-14, 2025

# Opening from Executive Director

- Safety Moment
- Agenda Review
- Operator Only Session
- Awards
- Survey

# Agenda – Friday, February 14

| | |
|---|---|
| 8:00 AM | *Coffee & Check In* |
| 8:30 AM | Operator Only Session/ Break Out Session |
| 10:00 AM | *Break & Networking* |
| 10:30 AM | Awards:<br>• **PODS Leadership Award**: ADNOC, Sponsored by Petro IT<br>• **PODS Strategic Migration Award**: OQGN, Sponsored by Geonamic |
| 11:00 AM | Final Remarks and Closing from **Monique Roberts**, PODS Executive Director |

# Safety Moment

There are no planned drills in this building today so if you hear an alarm, please exit the building and muster in the front parking lot.

Use only cross the street at designated crossings, such as zebra crossings, footbridges, and tunnels. It's illegal to jaywalk, and you could face fines or jail time if you do.

# Operator Only Session

Vendors please join us again at 10:00am for Networking then Awards.

## Leading Leadership's Focus to GIS & the Digital Twin for Pipeline Safety and Optimized Operations

1. First PODS forum?
2. Who came from pipeline GIS background (not just GIS)? Say more than 5 years?
3. What GIS and SAP System are you using? Is GIS or SAP your "System of Record"?
4. What type of assets do you operate?
5. Which Operators are on PODS 7 Model currently? And can you share why?
6. Is anyone using the PODS Modules?
7. How many are planning a system upgrade in the next 5 years to include PODS 7? 10 years?

# Topics for Discussion

1. How to convince leadership that GIS is critical to analysis and the GIS infrastructure needs attention?
2. What does PODS do for Pipeline Safety, Optimizing In-Ground Assets, Benefit M&A any other realized value?
3. Which vendors did you use for the migration to PODS 7? Any recommendations or take aways?
4. Anyone recently performed a data integration? Any insights or lessons learned?
5. How are you managing digital as-builts and inspections?
6. What are the major concerns / obstacles for GIS in the GCC?

# Break and Networking: **Up Next for Today**

| | |
|---|---|
| 10:30 AM | Awards:<br>• **PODS Leadership Award**: ADNOC, Sponsored by Petro IT<br>• **PODS Strategic Migration Award**: OQGN, Sponsored by Geonamic |
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PODS™ Pipeline Open Data Standard

**Principal Partner:** esri

**Gold:** geonamic integrity matters · Petro IT · MAGNOLIA RIVER

**Silver:** GLOBAL INFORMATION SYSTEMS

**Bronze:** BURNS McDONNELL

# PODS International Forum Awards

## PODS Leadership Award: ADNOC sponsored by Petro IT

ADNOC was the first PODS Member in the Middle East and is currently planning their migration to the newest version of PODS - PODS 7. Thus, PODS is honored to Present to ADNOC the “Leadership Award” showcasing ADNOC’s commitment to global data standards and pipeline safety.

ADNOC’s leadership and innovation drive the region and the world towards the future of the digital twin and the gold standard in digital asset knowledge management. We are honored to have ADNOC represent the PODS Mission and Vision of innovation and community on the global stage.

# PODS International Forum Awards

## PODS Strategic Migration Award: OQGN sponsored by Geonamic

OQGN is the newest PODS Member in the Middle East and the newest Operator to adopt the PODS 7 model. Thus, PODS is honored to present to OQGN the “Strategic Migration Award” awarding a new Operator member using the PODS model for the first time.

OQGN had a successful implementation of PODS in 2024 representing a “best in class” new system and have been able to showcase immediate improvements and success within their organization including pipeline safety, asset knowledge management, regulatory compliance and optimized operations. This organization showcased stellar implementation both with their teams, leadership and partners.

# Final Remarks **and Thanks**

Petro IT
Solutions with Integrity

geonamic
integrity matters

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