

PODS™

Pipeline Open Data Standard





Pipeline Open Data Standard
www.pods.org

The PODS Pipeline Data Model provides the database architecture pipeline operators use to **store critical information and analysis data about their pipeline systems**, and to manage this data geospatially in a linear-referenced database which can then be visualized in **any GIS platform**.

Benefits of the PODS Pipeline Data Model

- Provides concise definition of terms, and the ability to clearly delineate data ownership.
- Provides the ability to employ software applications from multiple vendors, and to pick-and-choose from the best commercial applications available.
- Provides the ability to switch software applications without migrating your pipeline database.
- Immediately connects you into a global pipeline data management community.

The PODS Pipeline Data Model

- The PODS Pipeline Data Model includes over 670 tables to manage all of your pipeline data.

	ISAT 1995	PODS 2.0 1998	PODS 3.2 2004	PODS 4.0 2006	PODS 5.0 2009	PODS 5.1 2011
Tables	72	184	453	645	652	678
Sub-models	0	48	146	198	198	203
Columns	-	1,080	3,228	4,888	4,843	5,171

- PODS supports both relational and spatial implementations.
 - ❑ PODS Relational for Oracle and SQL Server RDBMS.
 - ❑ PODS ESRI Spatial Geodatabase.
 - ❑ PODS OGC-Spatial (currently in development).

What Data does PODS manage?

- Physical assets
- Geographic location
- Responsible party
- Physical Inspections
- Weld Inspections
- Hydrotests
- MAOP Analysis
- Risk and HCA Analysis
- Inline Inspections (ILI)
- Close Interval Surveys
- Repairs
- Leaks & Leak Surveys
- Links to External documents
- One Call Tickets
- One Call Boundaries
- Operating Measures
- Offshore Facilities
- Compressors
- Pump Stations
- ROW Ownership
- Offline Events
- Crossings
- Pipeline Damage
- Regulatory Compliance
- Site Facilities
- Cathodic Protection
- CP Inspections
- Equipment Maintenance
- In-service dates

How are companies leveraging PODS?

- **Regulatory Submissions and Audits**
- **Web-based Mapping**
- **Integrity Management**
- **Mobile Field Data Access**
- **Right-of-Way Management**
- **Pipeline Damage Prevention**
- **Emergency Response Planning**
- **One Call ticket and Boundary Analysis**
- **Field Data Collection and Verification**
- **Financial and Property Tax Accounting**
- **Class Location and Gas HCA Analysis**
- **Pipeline Engineering and Field Operations**
- **Public Awareness**
- **Corrosion Prevention**
- **Strategic Planning**
- **Hydraulic Modeling**
- **Risk Analysis**
- **Spatial Analysis**
- **Business Development**
- **Work Management**
- **Situational Awareness**
- **Regulatory Compliance**
- **Spill Impact Analysis**

What is the PODS Association?

- The PODS Association is a vendor-neutral, collaborative pipeline data standards organization.
- The PODS Association does not sell software or offer contract services.
- PODS-member companies support PODS through membership and their employees' participation.

Mission Statement

To develop and support open data storage and interchange standards to meet the needs of the pipeline industry.

- **Improve Interoperability**
- **Member Knowledge Sharing**
- **Growth**

Membership in the PODS Association

- Is required to legally use the PODS Pipeline Data Model, which is copyright protected.
- Entitles you to receive all new releases and updates to documentation. PODS Releases include scripts which automatically build the PODS database on your system.
- Provides an unlimited number of employees access to PODS online resources, including Wiki-PODS and the PODS Technical Forum.
- Provides your company the right to vote in PODS elections.
- Allows your employees to join PODS committees, work groups, and the PODS Board of Directors.

Membership in the PODS Association

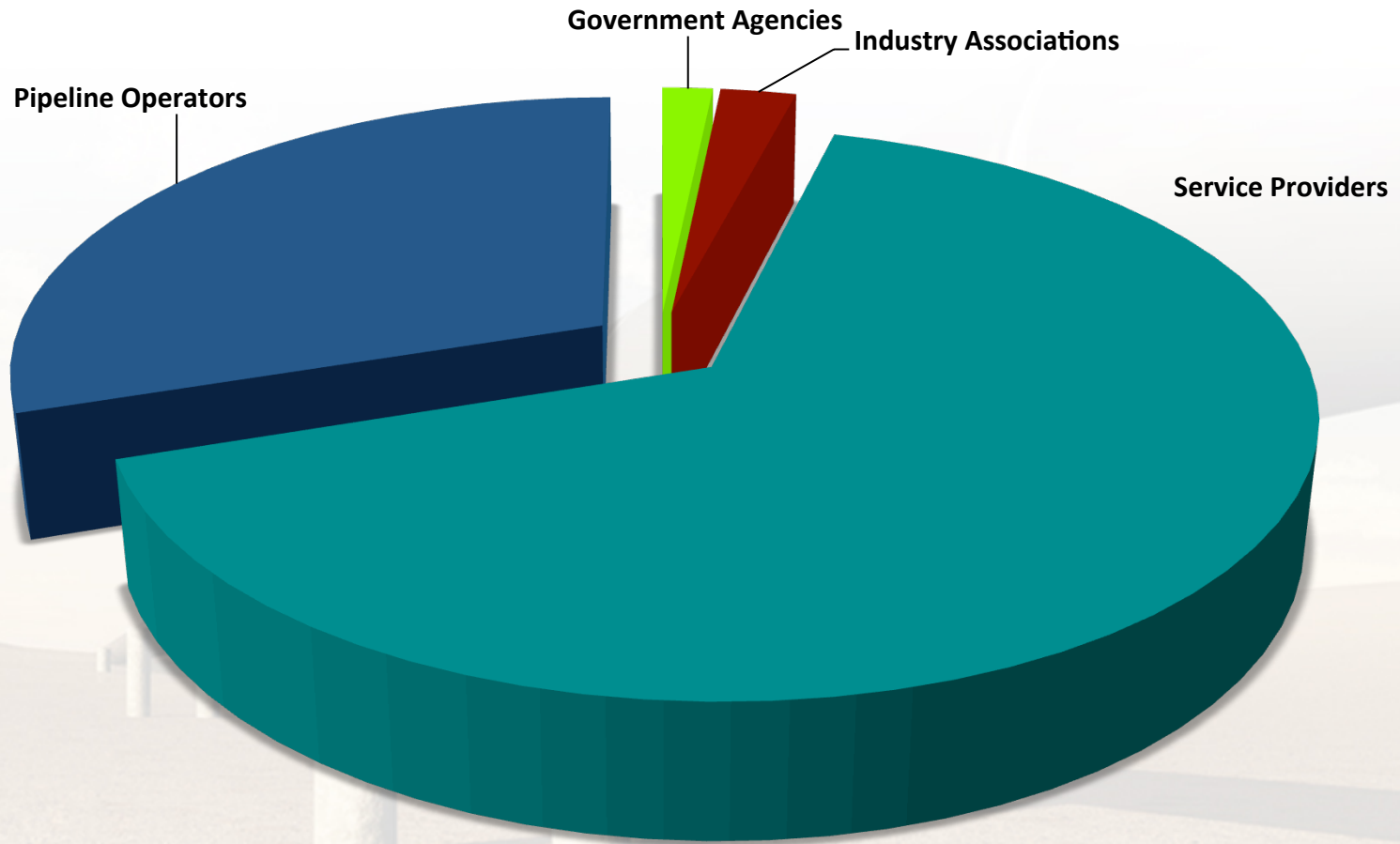
- Annual Membership Dues
 - ❑ Small Pipeline Operator* - \$2,000
 - ❑ Large Pipeline Operator** - \$5,000
 - ❑ Software, Engineering, Service, and Data Providers - \$2,000
 - ❑ Industry Associations - reciprocal
 - ❑ Government Agencies - \$500

* Pipeline Operators having less than 1,000 miles (1,609 km) of gathering, less than 1,000 miles (1,609 km) of transmission, and less than 100,000 customer distribution meters.

** All other Pipeline Operators.

Current Membership

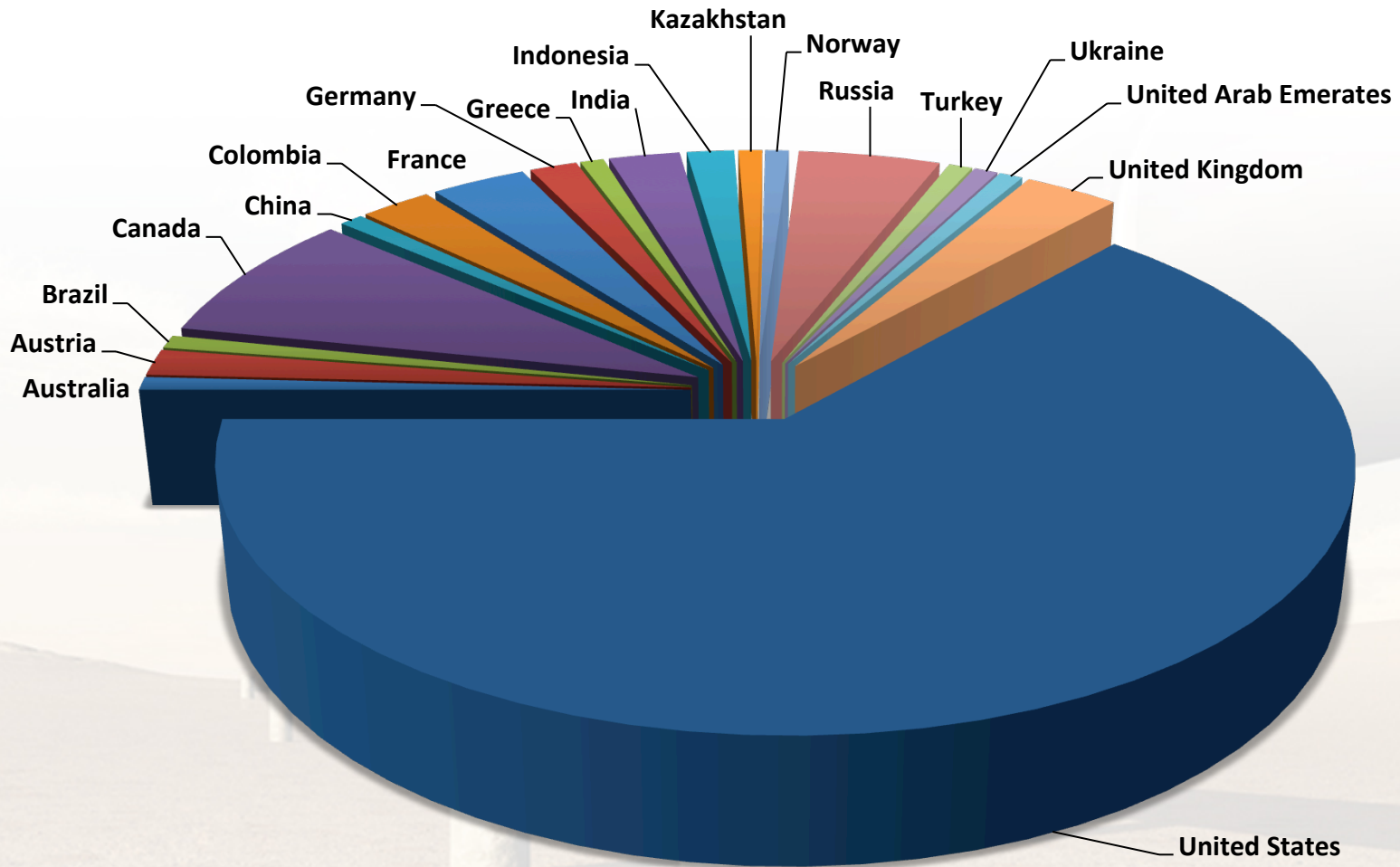
PODS Membership by Type
123 Member Companies as of December 31, 2011



Current Membership

PODS Membership by Location

123 Member Companies as of December 31, 2011



Which pipeline operating companies?

