

Breaking Down the Enterprise Walls

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The Enterprise Lifecycle for a Transmission Company

Assets go into operations and live for many years. Enterprise solutions facilitate and are essential for the lifecycle.



What are the Enterprise Systems?

How are these systems used and why is integration important?



Typical Projects That Require Integration

These are all important solutions but getting them to work together is extremely complicated.

Current IT Systems

- Separate enterprise systems of record for various business processes
- Many in-house build tools not easily adaptable to new processes
- No basis for connecting systems
- Different systems for financial, work management and ERP

Data

- Various data silos maintained for business processes
- No connections between data
- Various untraceable historical sources and accuracy is always question
- Functional locations, equipment and work orders

Process

- Users access various systems to obtain information about the assets
- Lack of a uniformed approach to data access
- No process for integrating or accessing content
- No enterprise bus or SOA strategy

What is the Problem?

To effectively operate the a pipeline system the enterprise systems need to be integrated



GIS Asset Repository

Work Order Management

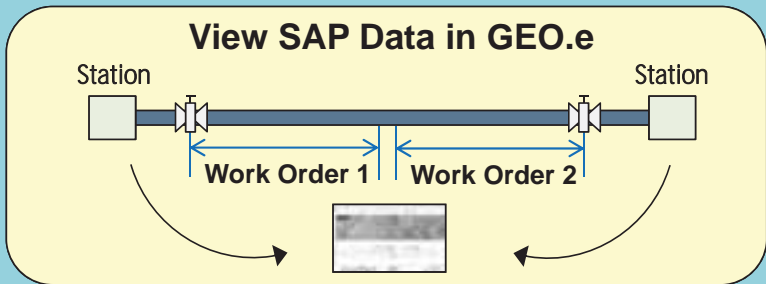
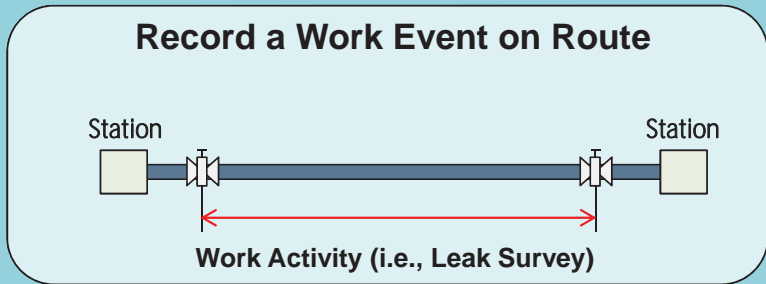
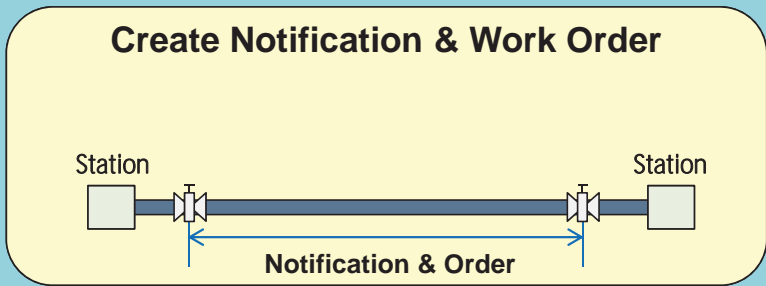
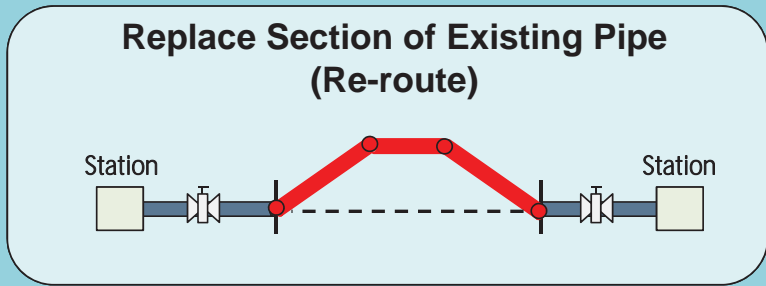
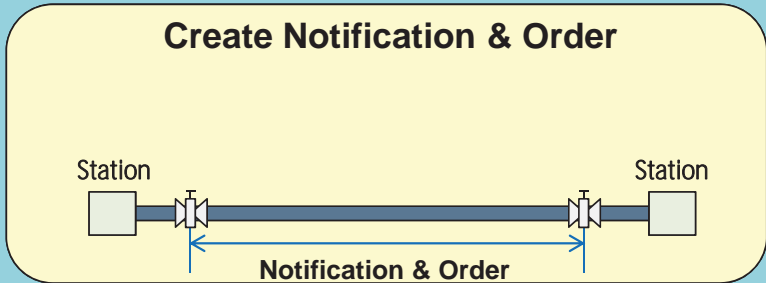
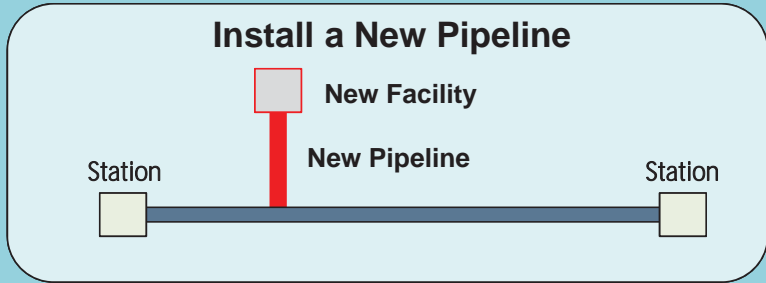


What Do We Mean By Integration?

Integration is where the products work together to accomplish a common goal. For example the completion of a work order, feature placement or maintenance tasks.

GIS

SAP



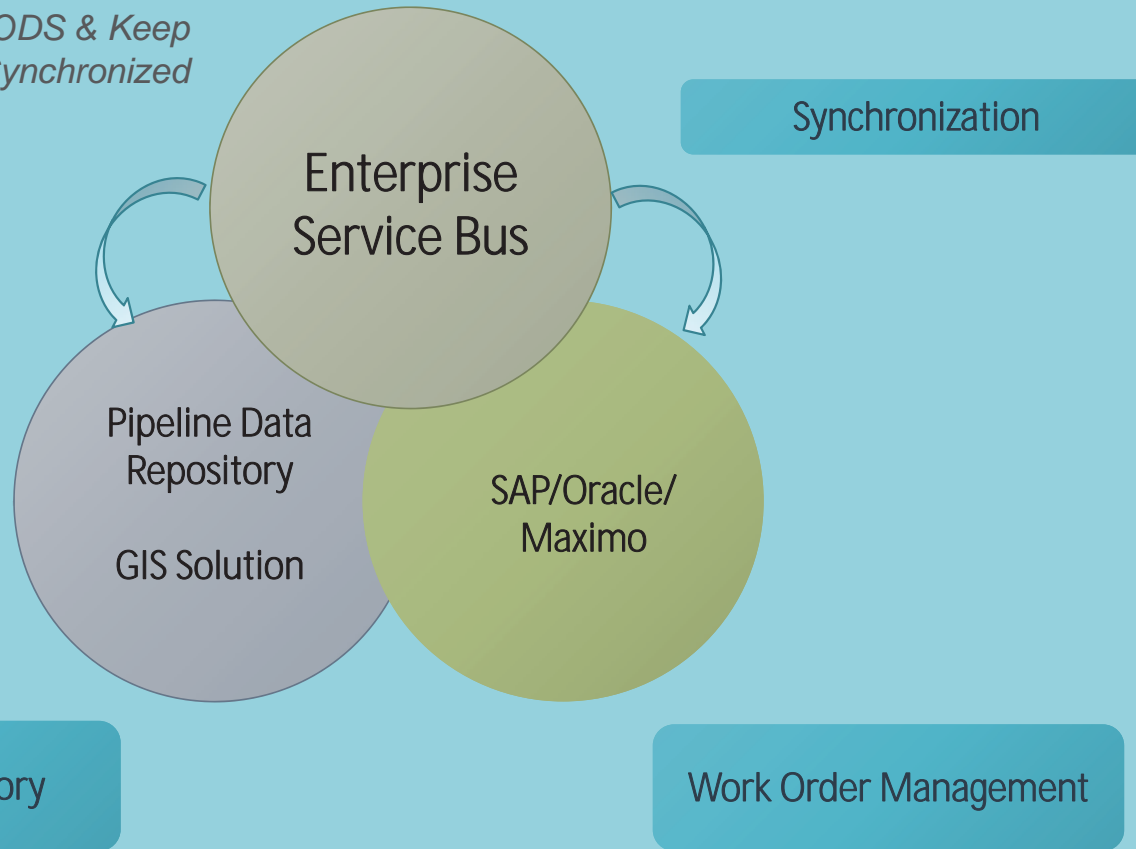
Examples of SAP/GIS Integration

The integration of SAP and GIS is a powerful example of the benefits of Enterprise System Integration. Here are several examples of how the systems partner to complete a workflow.

*Ability to Maintain PODS & Keep
PODS & SAP Synchronized*



- Enhanced GIS Platform
- ✓ Pipeline Data Repository
 - ✓ Pipeline Linear Reference Measurement Support
 - ✓ Industry-wide Applicability



How Are These Systems Integrated

This is an example of two systems that have been integrated, what was required and how it was done.

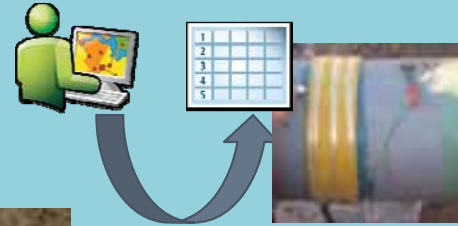
Show me a pipeline



What was the result?



Was it repaired?



When was this inspected?



Did you dig it up?



MAOP Validated?



An audit workflow: pipeline inspection and repair
Integration of GIS, work order management and document management

Where Is This Valuable?

An audit is a perfect example of when and how this type of integration is valuable.



Questions?

Contact me after the event at jallen@col-col.com or at our booth on the Vendor Floor