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Data Exchange Solutions using ISO 15926 Adaptive Information Model

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Outline

- Bentley Overview
- Data interoperability strategy based on ISO 15926
- Bentley's implementation of ISO 15926
- The role of Bentley Class Editor and Adaptive
 Information Model



Open Minds think **OpenPlant**

Bentley's Mission

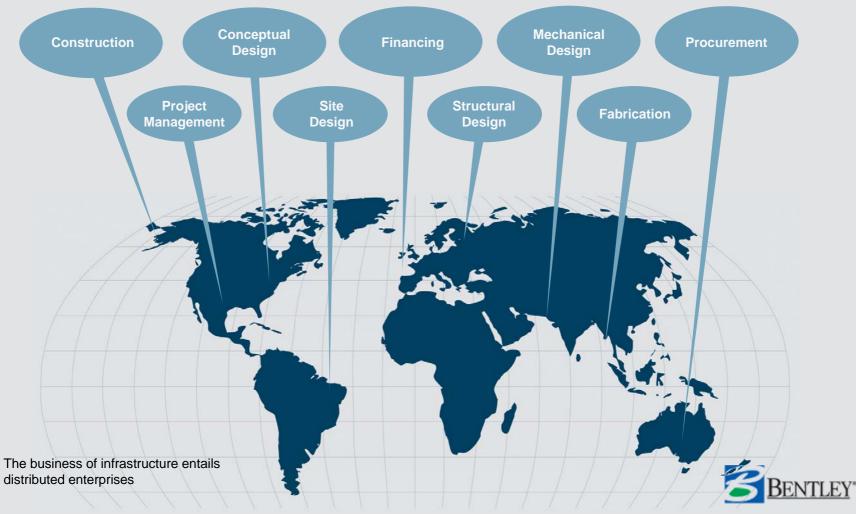
Help improve the world's infrastructure





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Serving Distributed Enterprises





A Strong Global Company

- 24 years of growth and stability
- 2,500+ employees, 80 offices, 40 countries



Distinctions

- 1. A comprehensive software portfolio that is multi-discipline and integrated, just like your projects
- Collaboration servers that allow distributed enterprises to successfully deliver infrastructure projects
- 3. A commitment to interoperability to maximize the return on your investments in data



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Portfolio of Products

	BUILDING	PLANT	CIVIL	GEOSPATIAL
0&M	Bentley" Facilities"	ProjectWise" Lifecycle Server"	ARPS," ROW," LDM." Optram," SUPERLOAD"	Bentley [®] Geo Web Publisher [®] Bentley [®] Geospatial Server [®]
Applications	Bentley" Architecture" Bentley" Structural" RAM" STAAD" Bentley" Building Mechanical Systems" Bentley" Building Electrical Systems" speedikon" ProSteel"	PlantSpace® AutoPLANT® Bentley®AutoPIPE® Bentley®AXSYS® Bentley®CloudWorx® PlantWise®	GEOPAK" InRoads" Bentley" Rail" Bentley" MX" Bentley" Rebar" Bentley" Bridge RM"	Bentley" Map" Bentley" Descartes" Bentley" Descartes" Bentley" I/RAS B" Bentley" Electric" Bentley" Water" Bentley" Sewer" Bentley" Copper" Bentley" Coax" Bentley" Fiber" Bentley Coax" Bentley Coax" Bentley CADscript" Bentley sisNET" Haestad Methods Solutions Bentley Expert Designer"
Power Products			Bentley" PowerSurvey" Bentley" PowerCivil" Bentley" PowerRebar"	Bentley" PowerMap" Bentley" PowerMap Field"
Extensions	MicroStation" TriForma"Ext.	MicroStation® Schematics®Ext.	MicroStation [®] Civil Ext.	
Platform Extensions	MicroStation [®] GenerativeComponents ^{®®} Ext.			
	MICROSTATION" MicroStation" PowerDraft" Bentley" View" Bentley" Redline"			
Platform				
	ProjectWise* StartPoint** ProjectWise* Navigator** ProjectWise* InterPlot** ProjectWise* Integration Server**			



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POSC Caesar IDS and FIATECH ADI are accelerating ISO 15926

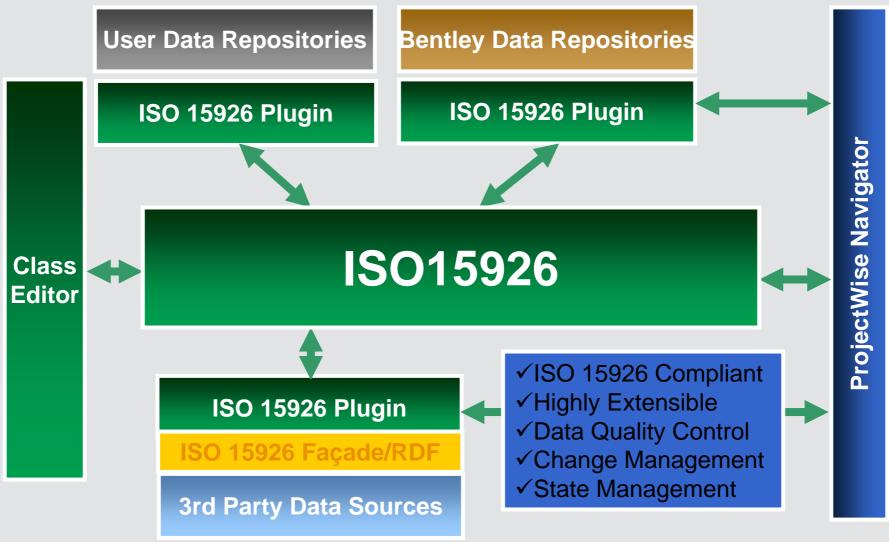
Collaboration between both projects

- IDS (Intelligent Data Sets)
 - Reference data expansion and Methodologies
 - Online reference data hosting, browsing, and editing
 - Simple implementation approaches
 - Training
- ADI (Accelerating Deployment of ISO 15926)
 - Focus on implementation and tools
 - Reference Data System (RDS) software and utilities
 - Training
- Bentley is very active in both projects

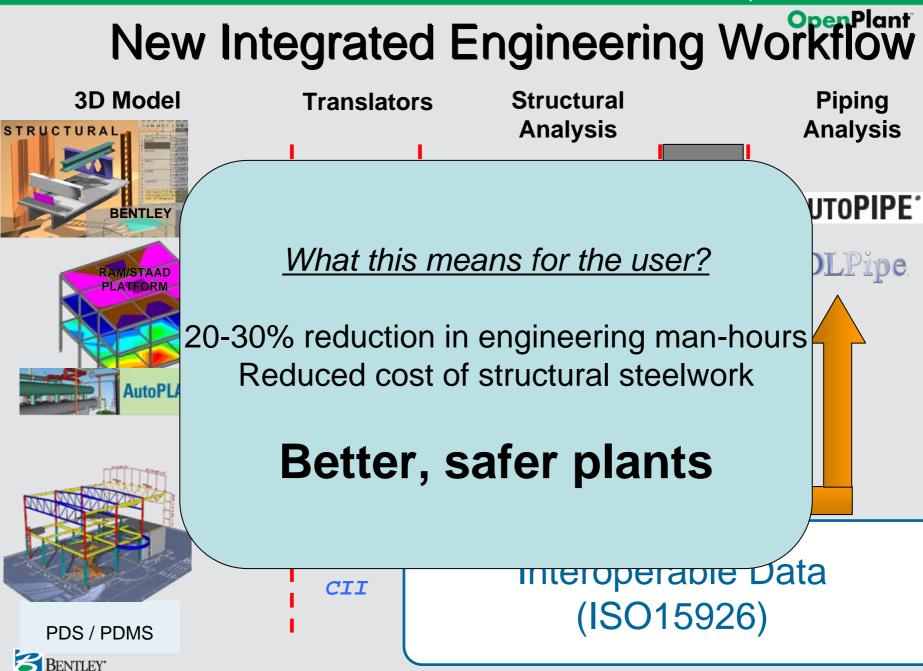


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Data Interoperability Architecture

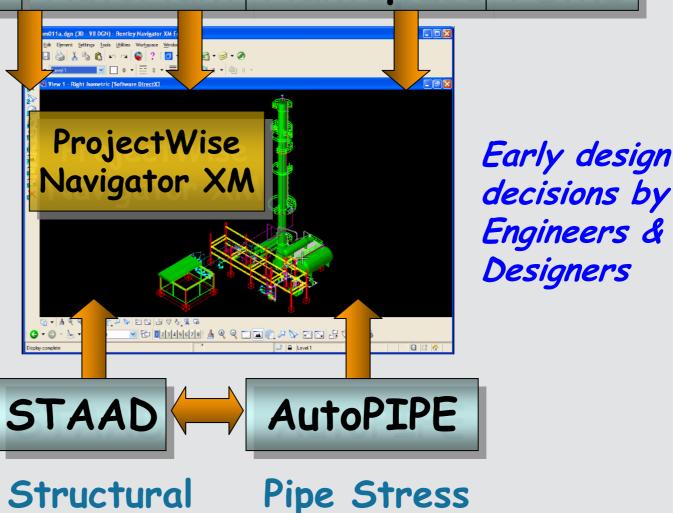






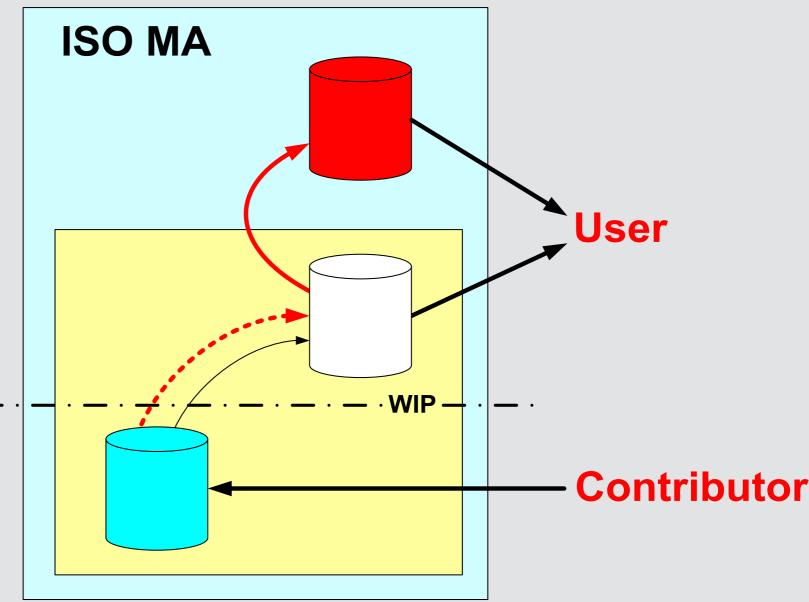
Design Interoperability Using ISO 15926OpenPlantPDSAutoPlantPlantSpacePDMS

More accurate structural & piping design



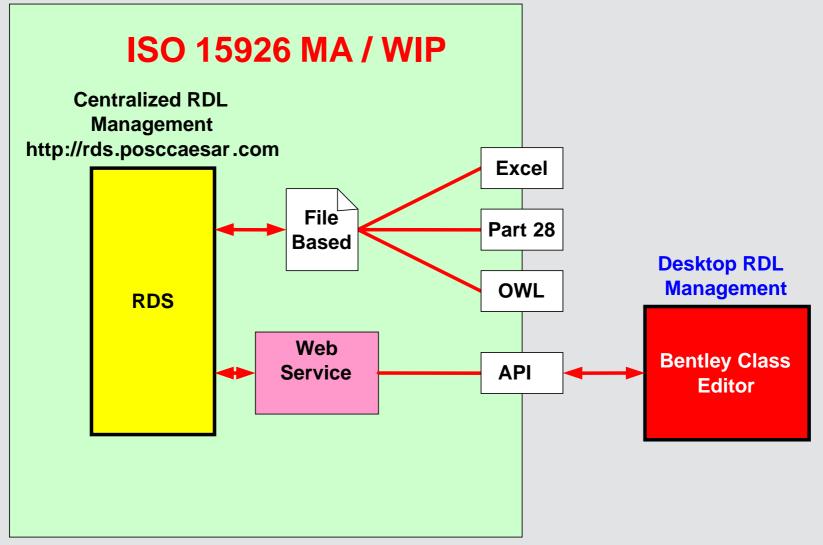
BENTLEY

ISO 15926 WIP: Organization





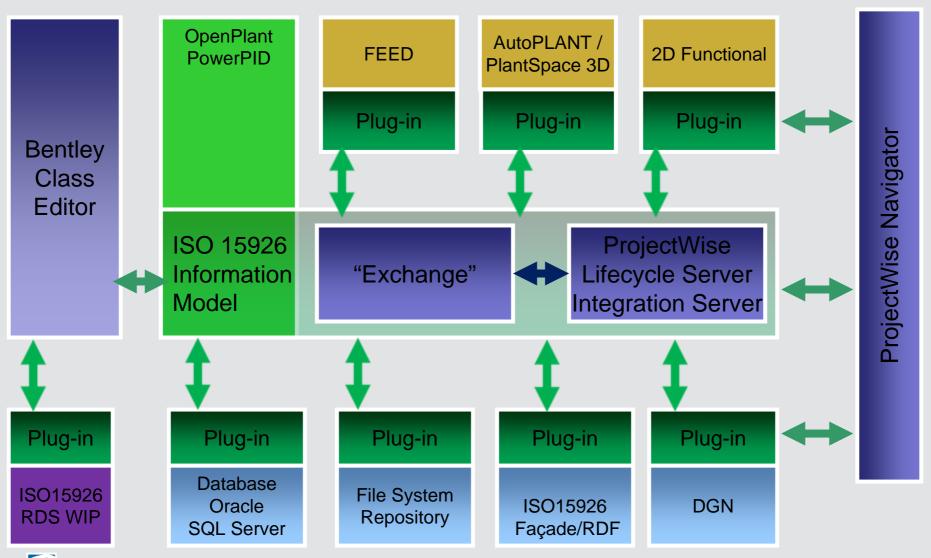
The role of the Bentley Class Editor





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Data Interoperability Using ISO 15926

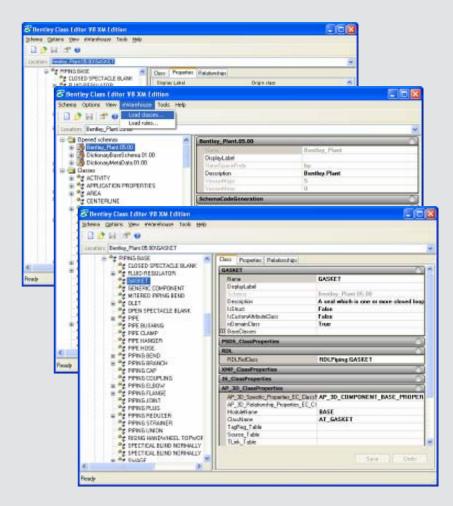


BENTLEY*

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Bentley Class Editor with RDS Support

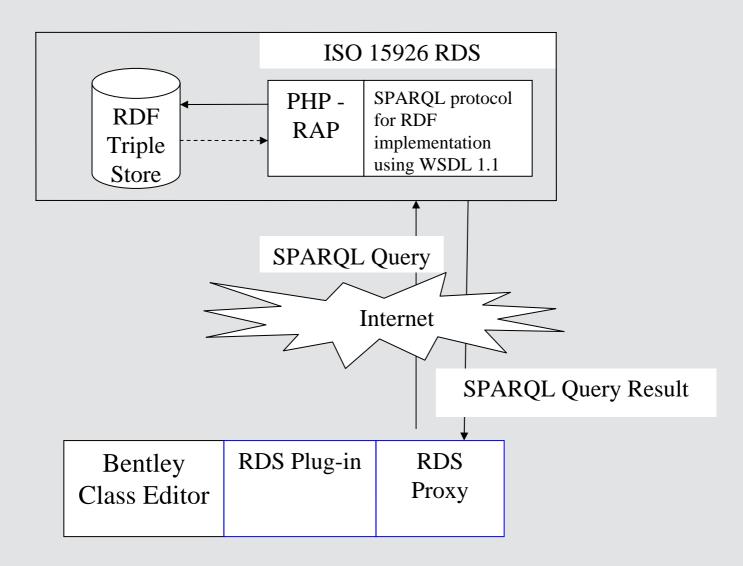
- ISO 15926 dictionaries
- Engineering Friendly View of Reference Data
- Information model building
- Simplified mapping interface
- Differencing
- Extensible





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Overview of RDS WIP Connection





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Thank you

