





The Integration of Information and Tools to
Support DecisionsMaurizio Cecchini

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2013 Bentley Corporate Overview



Working Smarter, Together...

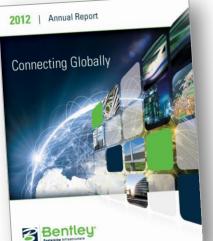




Improving Quality of Life...



2012 Annual Report



View or download at: www.bentley.com/annualreport

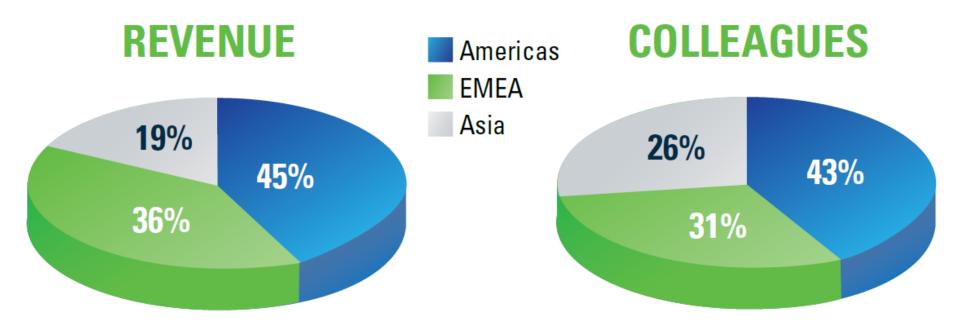


- Bridges
- Roads
- Rail and Transit Networks
- Power Plants
- Water and Wastewater Utilities
- Construction Simulation
- Collaboration Services
- Process Plant Operations
- Structural Analysis
- 3D City Modeling



Global Balance







2012 Performance Highlights



- Historical GAAP revenues grew 5% to \$550 million. In constant currencies, GAAP revenues grew 8%, and organic growth was 6%.
- Subscriptions reached a record 74% of revenues.
- Applications use logged by over 1 million users in over 165 countries - approaching 2 million including users of Passports and iWare apps.
- 2012 saw continued geographically diversified growth with the Middle East and Africa notably growing in excess of 25%.
- Operating cash flow was more than \$100 million.



2012 Performance Highlights



- A record investment in R&D and acquisitions of nearly \$200 million brings the total invested since 2005 to more than \$1 billion.
- Bentley's worldwide Professional Services organization, encompassing over 400 colleagues, grew revenues of 13% and achieved record utilization levels.
- Continued investment in the company's capital structure now reflects equity ownership of
 98% by the Bentley family and colleagues.
- With \$160 million of available liquidity, the company remains advantageously positioned for the future.

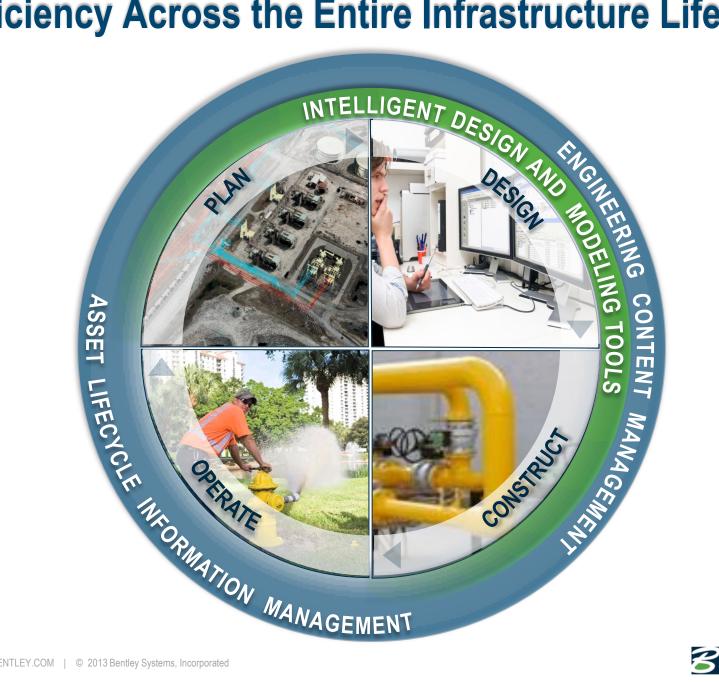


Bentley in Top Organizations...

Combining ENR's ENR Top 25 Design Firms Top 626 Design Firms* INFORMATION MODELING Bentley's applications usage 25 among top design firms Organizations using Bentley 531 applications *Combined ENR Top 500 Design Firms and ENR Top 150 Global Design Firms, with duplicates removed ENR Top 25 Design Firms ENR Top 500 Design Firms INTEGRATED PROJECTS 214 Bentley's ProjectWise usage Organizations using among top design firms 22 ProjectWise Bentley Infrastructure Bentley Infrastructure 25 Top Owners 500 Top Owners INTFLLIGENT 81 INFRASTRUCTURE 10 Organizations Bentley's *AssetWise* usage using AssetWise among top owners



Efficiency Across the Entire Infrastructure Lifecycle



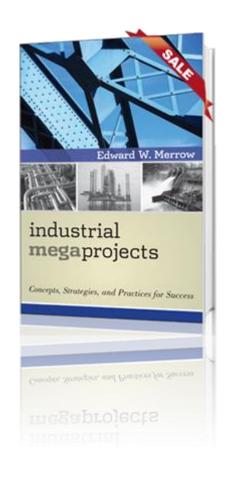


Industrial Megaprojects

Independent Project Analysis - (IPA) Ed Merrow – Foreword & co editor Jim Porter (DuPont)

- 318 Project Studied (today's value \$2bn +)
 - Average Project Cost ~ \$3.4bn
 - Average Project Schedule ~ 66 months
- Oil & Gas, Chemicals, Minerals and Metals, LNG, Power
- Failure defined as:
 - >25% cost overrun
 - >25% schedule slip
 - After 2 years production well below planned, significant operability problems (biggest issue)
- Study Finding:
 - 65% of projects failed ~ 40% average overrun
 - Failed projects: Oil & Gas ~ 78%
 - Minerals and Metals ~ 70%





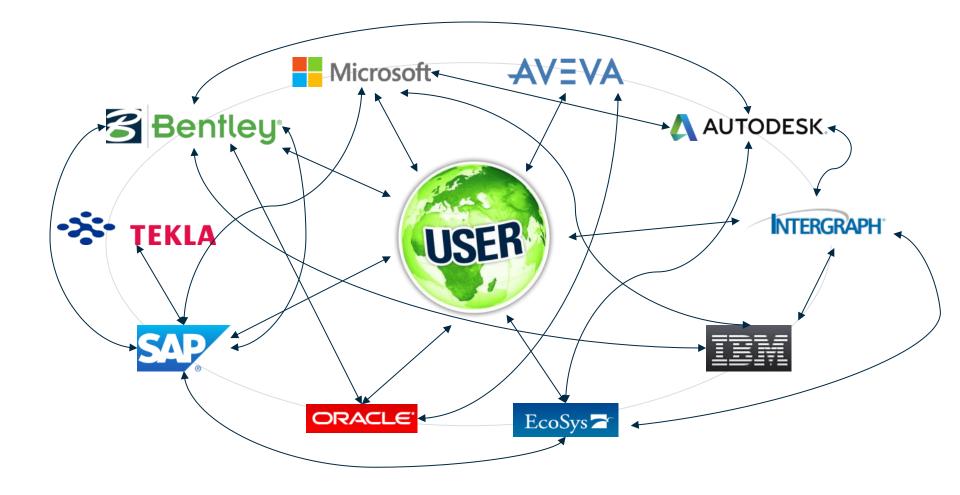


A Typical Industry Environment





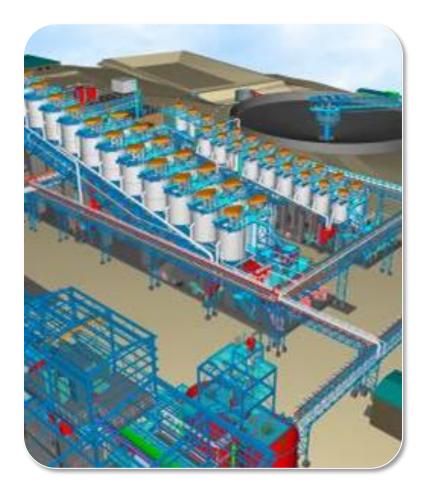
Challenges on Integration of Information





50 + Data Generators – Types of Information...

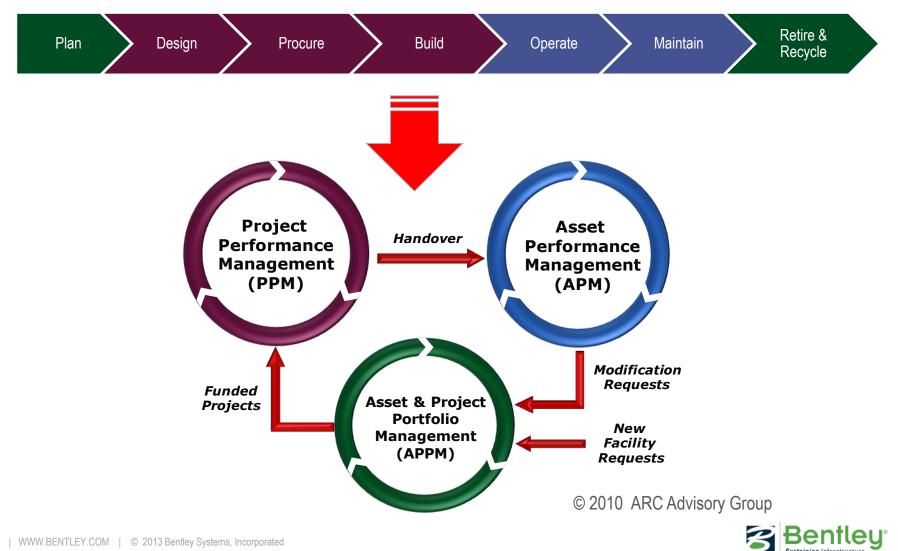
- Requirements/scope
- Program management (scheduling)
- Design (3D design)
- Procurement packages (purchase/receiving)
- ITAAC & quality records
- Work packages
- Corrective actions
- Commissioning/startup records





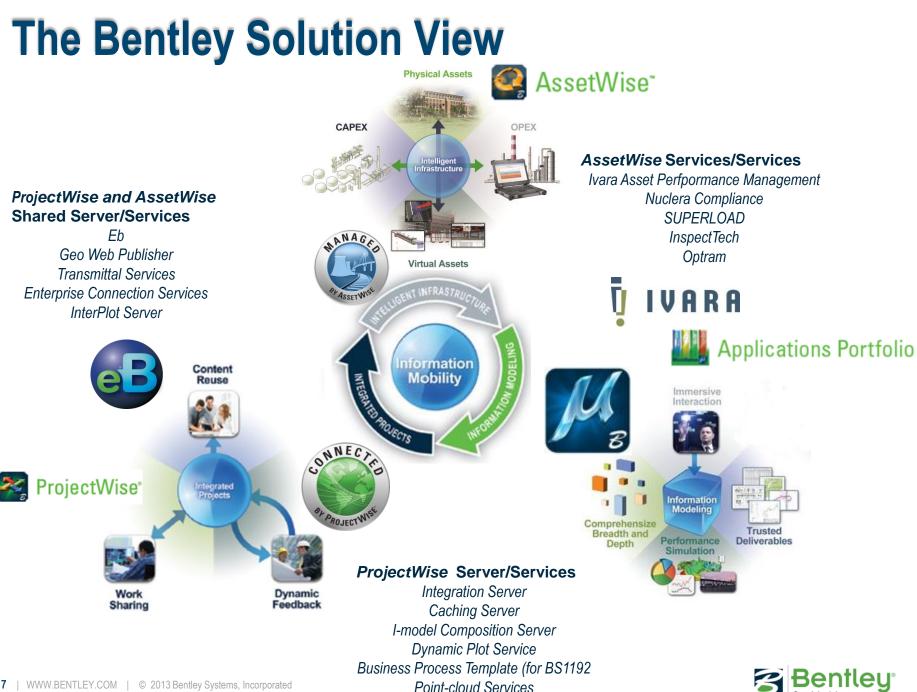
The ARC Business View





Asset Performance Management – where we fit





Spanning CapEx through OpEx

Project Information Management Simulate (Design) & Construct (Build)

Asset Information Management (Operate & Maintain)



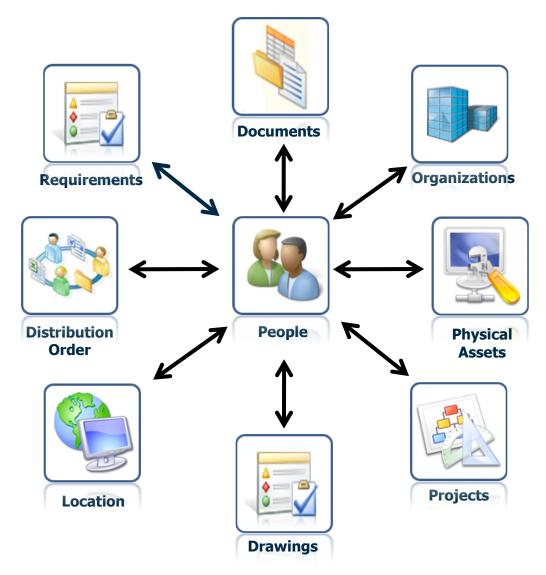
Design and Construction Organizations Handover Co-creation of Value

Owner/Operators Operational Readiness Life Cycle Value



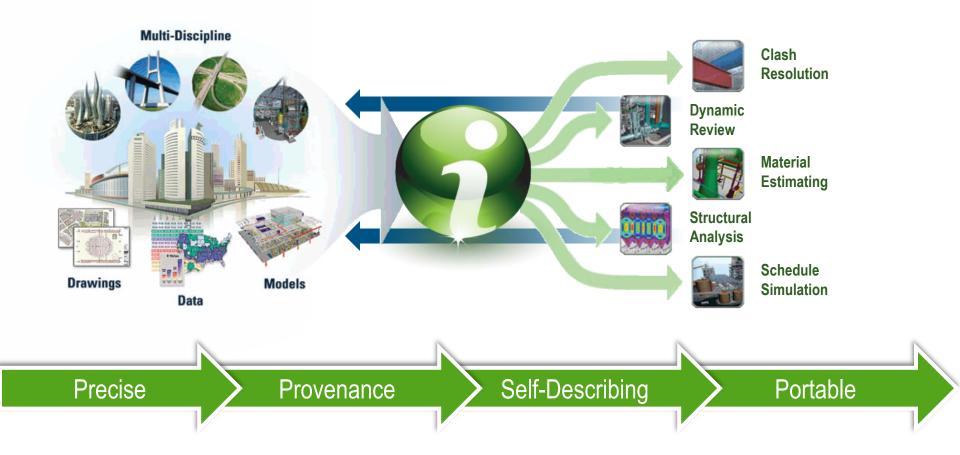
Infrastructure Asset Information Modeling

- Manages much more than documents...
- Relates structured and unstructured information to teams, organization & the enterprise
- Focuses on how the information is related to the relationships
- Records conditions, incidents, events and corrective actions
- Captures, tracks, facilitates and transmits <u>changes</u>
- Creates auditable sequences of how and why information changed





i-models for Information Exchange





ProjectWise Users





AssetWise (eB) Users

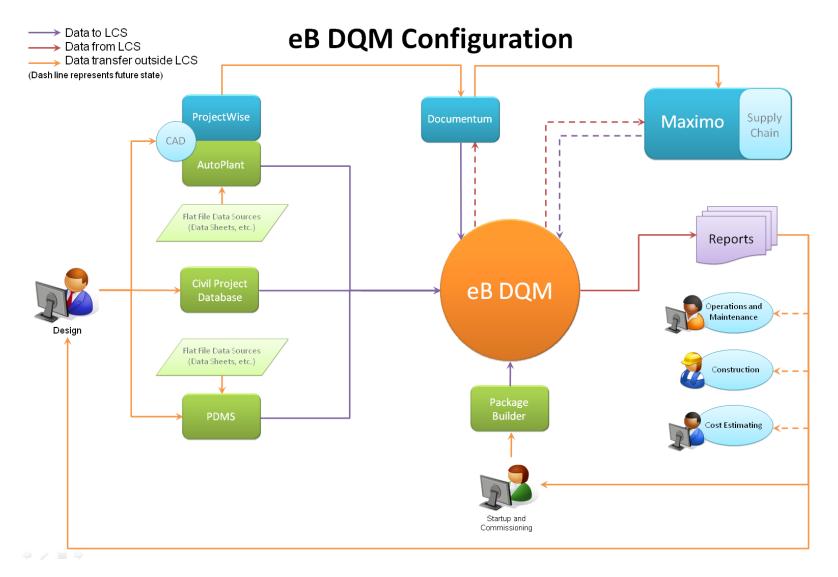




AssetWise (Ivara) Users



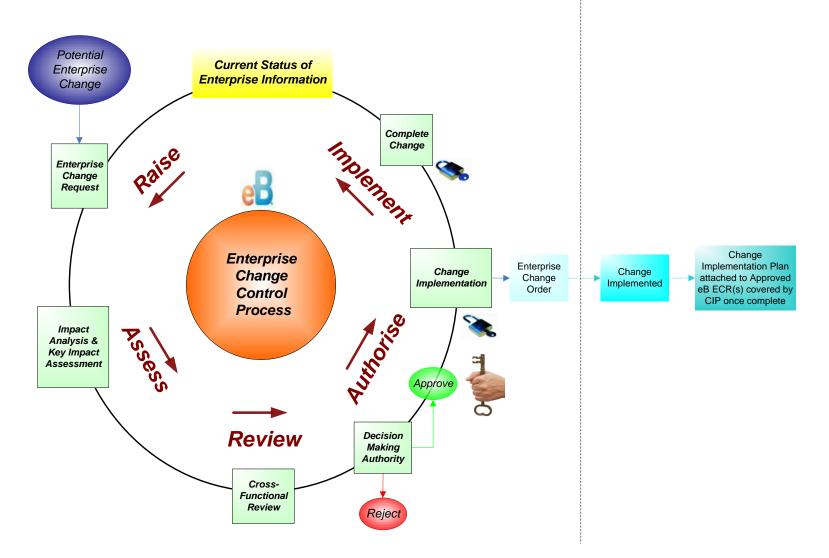
2012 Be Inspired Winner Southern Company





2012 Be Inspired Finalist Crossrail Ltd.













Thank You

Bentley Systems Italia

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