

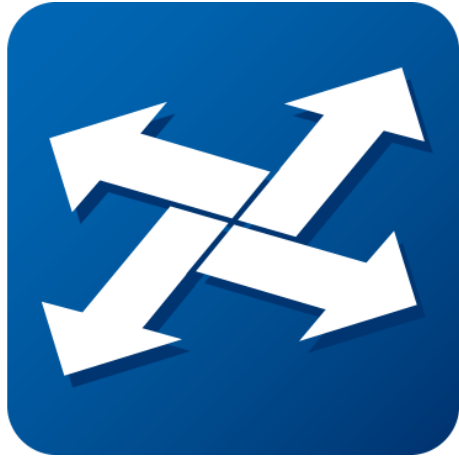


ProjectWise Product Portfolio and Road Map

Stefan Sigvardsson
Business Solution Director, Project Delivery - Europe



**GOING DIGITAL
WITH PROJECTWISE**



ProjectWise

ProjectWise: Gold Standard for Design Work-in-Progress

Drive design standards:

- Share data across organizational and geographical boundaries
- Rules-driven design workflows
- Multi-discipline design coordination
- CAD file dependency management



ProjectWise: Best-in-class Design Application Integration



MicroStation
CONNECT Edition



Bentley

Building Plant
Civil Bridge
Structural Geospatial
Construction i-model
Analysis

esri

ArcMap

Pitney Bowes

MapInfo

Adobe

InDesign
PDF

Autodesk

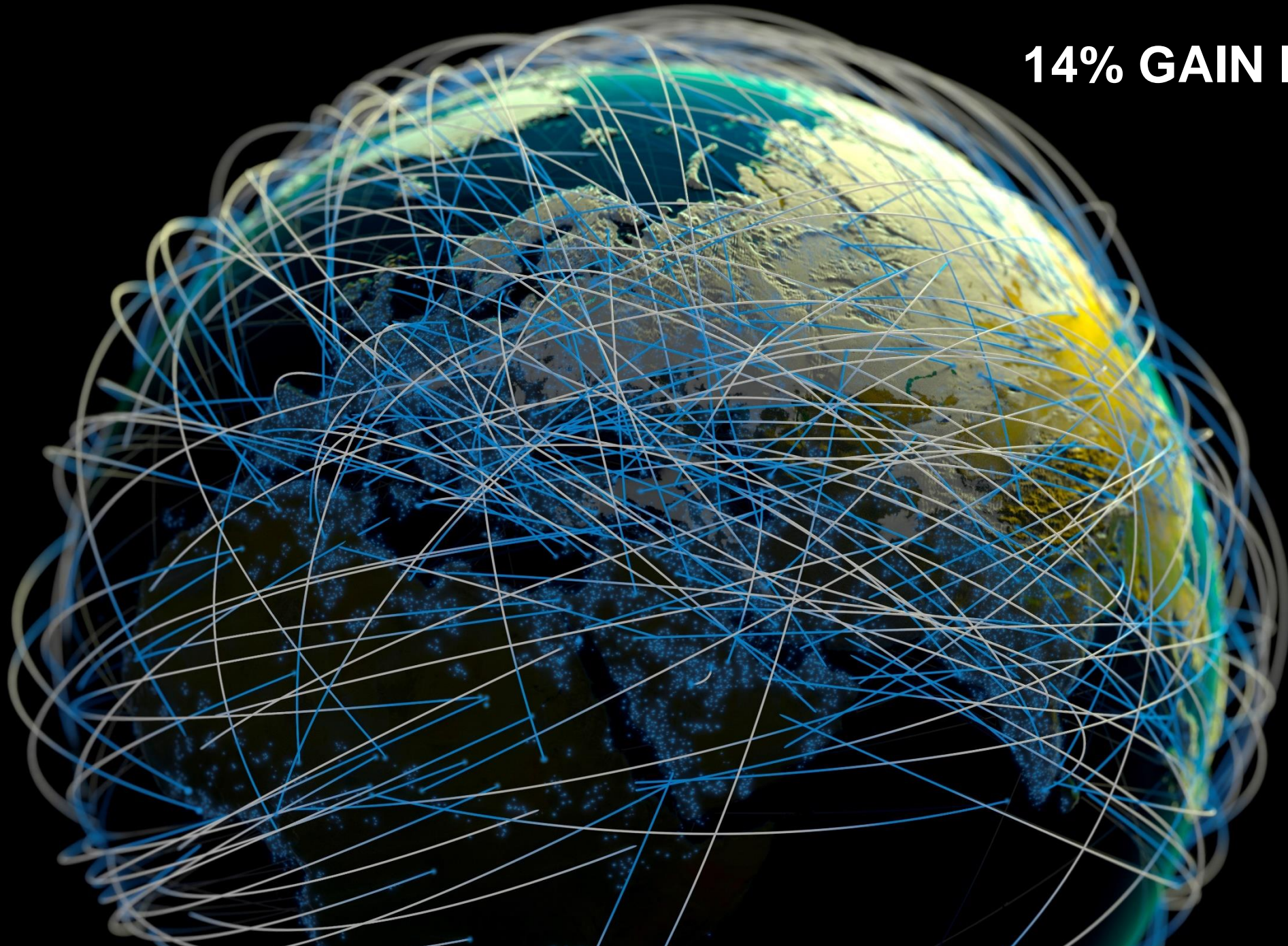
AutoCAD
Civil 3D
Revit
AutoCAD MEP
AutoCAD Architecture
AutoCAD P&ID
AutoCAD Map 3D

Microsoft

Office 365 Visio
SharePoint MS Project



14% GAIN IN DESIGN TIME



100+

COUNTRIES

1M+

PROJECT DELIVERED

1M+

MONTHLY BUSINESS
PROCESS AUTOMATIONS

10B+

AUDIT TRAIL RECORDS

1

CONNECTED DATA ENVIRONMENT

CONNECTED DATA ENVIRONMENT

A photograph of two men in an office environment. One man, with a beard and wearing a blue hoodie, is pointing at a computer monitor. The other man, wearing a dark shirt, is sitting at the desk and looking at the monitor. The monitor displays a 3D architectural model of a building. The office has cubicles, and there are papers and a mouse on the desk. A dark blue semi-transparent banner is overlaid across the middle of the image, containing the text "Digital Project Delivery".

Digital Project Delivery

CHALLENGE

**SUPPLY CHAIN
SCHEDULE AND COST DELAYS**





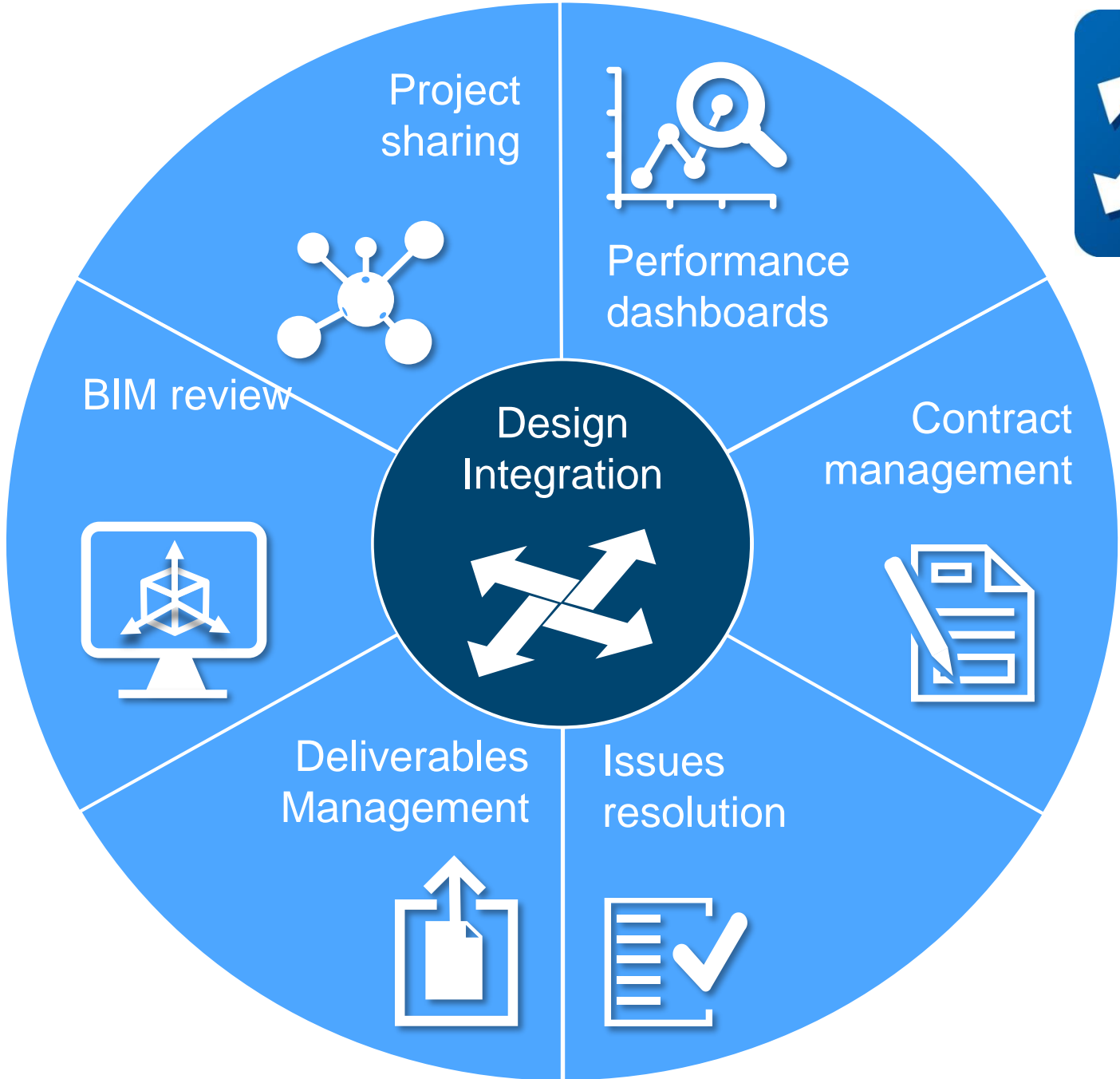
GOING DIGITAL

Owners to Supply Chain
Office to Field
Engineering to Construction
Stakeholders to Insights



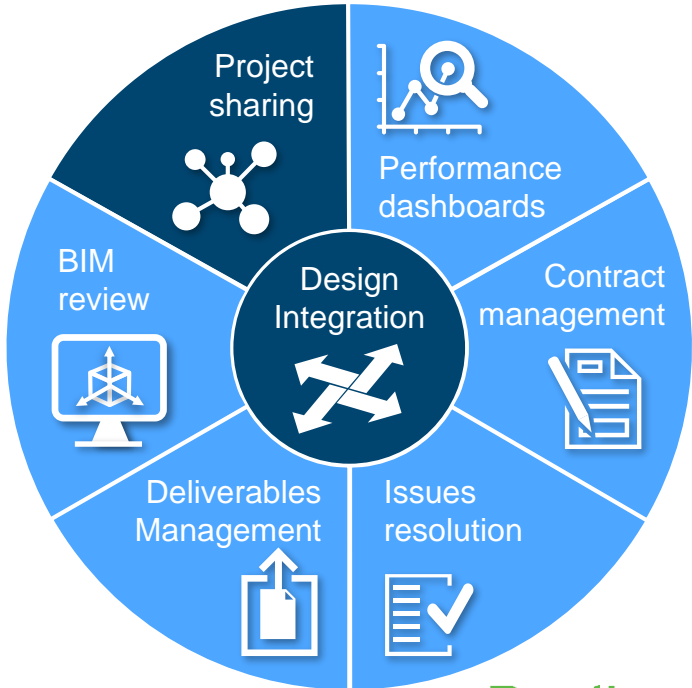
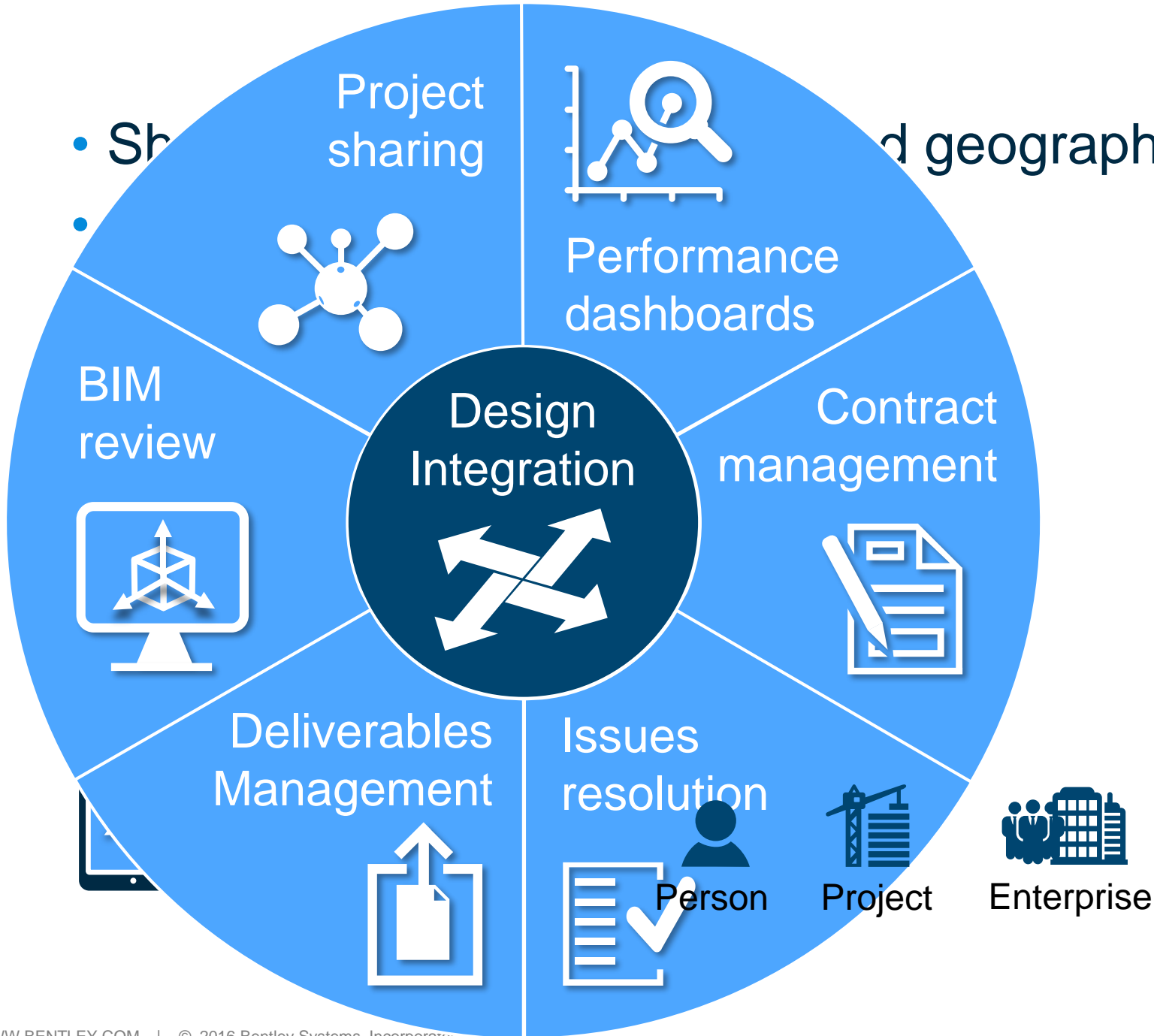
ProjectWise

CONNECT Edition



PROJECT SHARE ADVANCEMENTS

and geographical boundaries



Clash 3
ClashJob 001

Set A
PIPE 250.000000 mEX-OPM 0

Set B
Pos. B (HE 260 B)

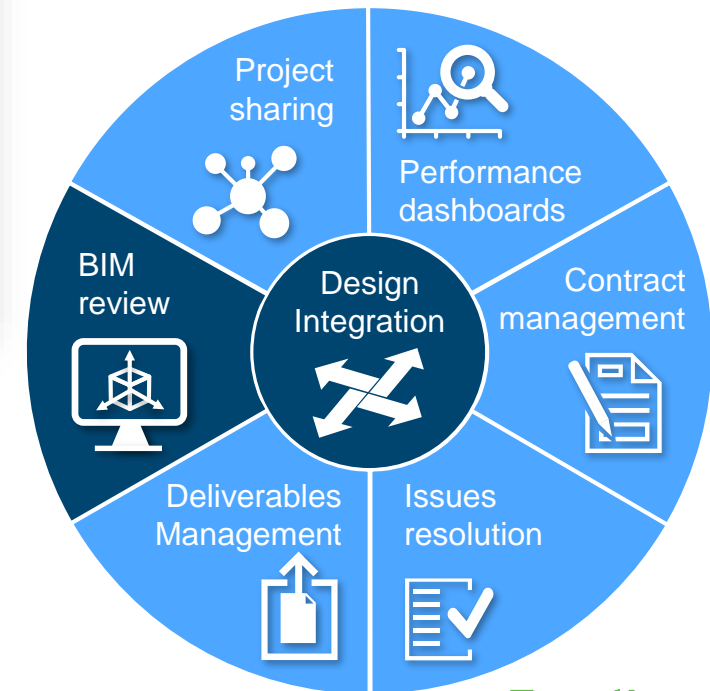
Speed design coordination with the ability to identify and resolve clashes.

ID	Subject	Status	Clash Job	Set A	Set B	Type	Clean	Created	Created By
Clash 1		Open	ClashJob 001	PIPE 200.000000 mEX-OPM 01-HCI	Pos. grt (BG 25x1300)	Collision	N/A	9/10/2015 10:56 AM	Ruchang Tang
Clash 2		Open	ClashJob 001	PIPE 250.000000 mEX-OPM 01-HCI	Pos. B (HE 260 B)	Collision	N/A	9/10/2015 10:56 AM	Ruchang Tang
Clash 3		Open	ClashJob 001	PIPE 250.000000 mEX-OPM 01-HCI	Pos. B (HE 260 B)	Collision	N/A	9/10/2015 10:56 AM	Ruchang Tang
Clash 4		Open	ClashJob 001	PIPE 200.000000 mEX-OPM 01-HCI		Collision	N/A	9/10/2015 10:56 AM	Ruchang Tang



Navigator
CONNECT Edition

- Navigate models immersively
- Conduct coordination reviews
- Clash detection and management

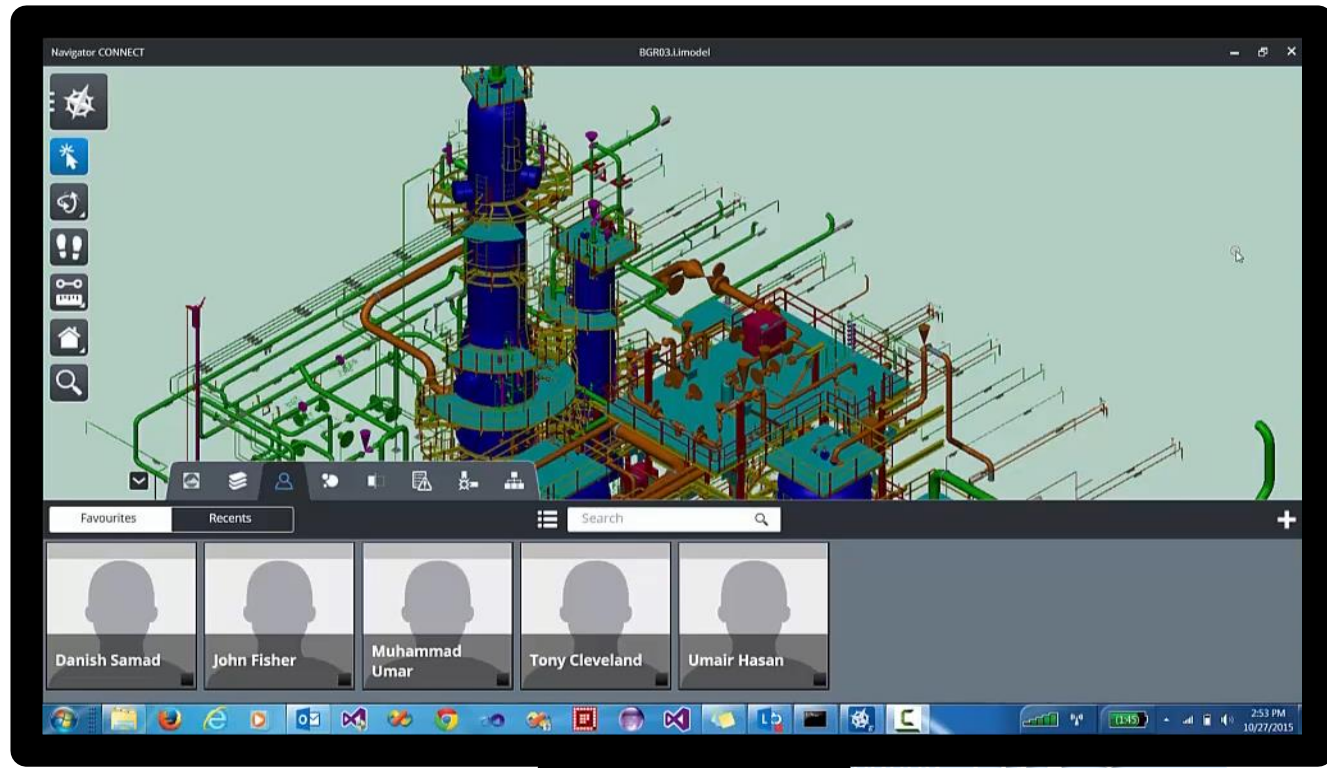
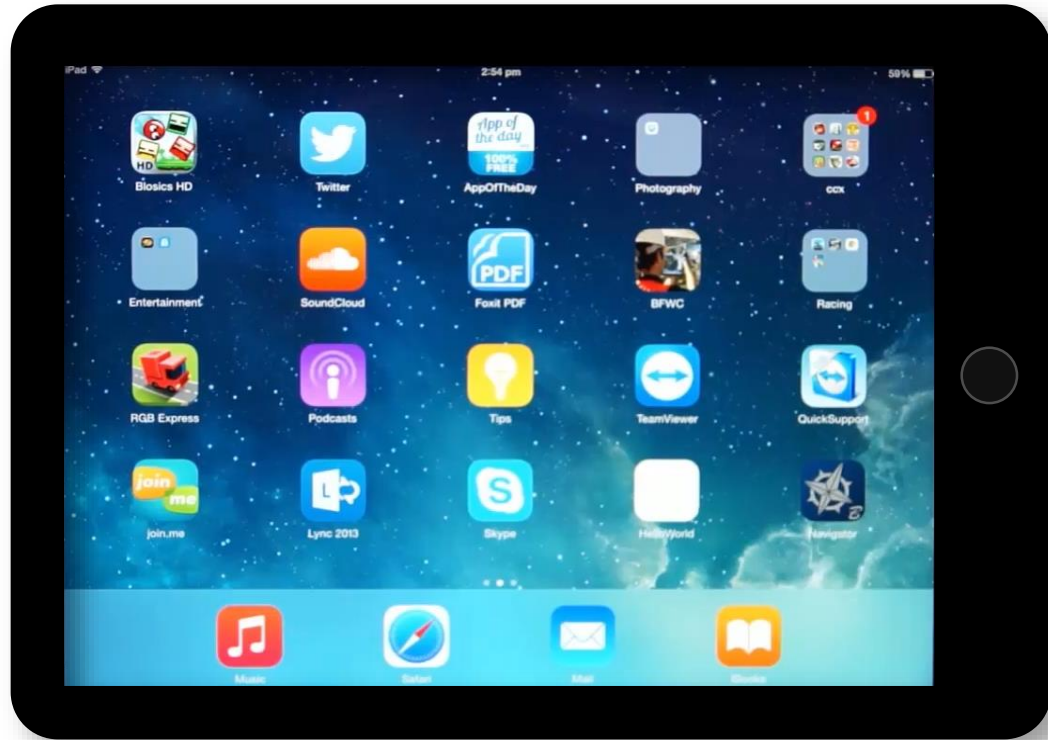


Bentley

I haven't heard from site so it must be going according to plan . .



Field issue needs *immediate* resolution



DELIVERABLES MANAGEMENT

The screenshot shows the ProjectWise Explorer interface with a table of deliverables. The table has the following columns: ID, Subject, Classification, Sent, Purpose, Status, Progress, and Acknowledgment Due Date.

ID	Subject	Classification	Sent	Purpose	Status	Progress	Acknowledgment Due Date
9.25.2016-TR-000001	topo		9/29/2016 1:29 PM	For Review	3 days to acknowledge 15 days to respond	Acknowledgments - Responses 0/2	10/1/2016 1:29 PM
9.25.2016-TR-000004	Documents for review		9/29/2016 5:26 PM	For Review	3 days to acknowledge 14 days to respond	Acknowledgments - Responses 1/4	10/1/2016 5:26 PM

The screenshot shows a web-based dashboard for tracking deliverables. It features a table with columns for ID, Status, Progress, and Acknowledgments. A prominent banner reads "Track submittals easily with color coded indicators".

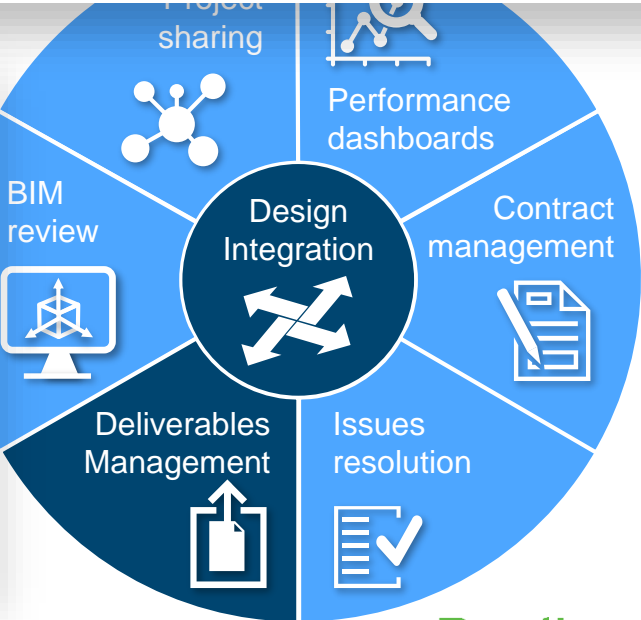
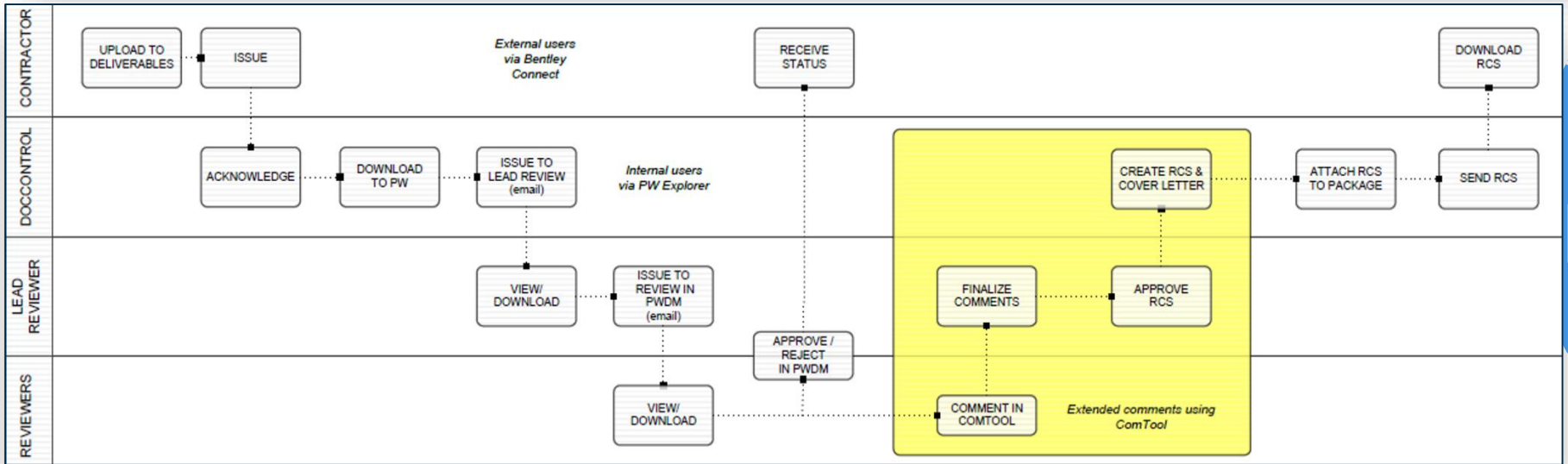
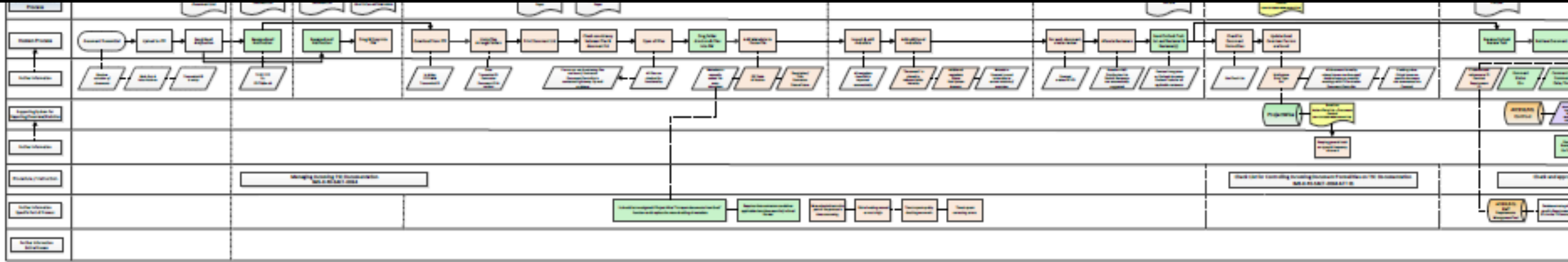
ID	Status	Progress	Acknowledgments
0700000100074	Not Acknowledged	0% Acknowledged	Acknowledgments 0/1
0700000100076	Not Acknowledged	0% Acknowledged	Acknowledgments 0/1
0600000100068	Not Acknowledged	0% Acknowledged	Acknowledgments 0/1
0600000100064	Not Acknowledged	0% Acknowledged	Acknowledgments 0/1
0700000100074	Not Acknowledged	0% Acknowledged	Acknowledgments 0/1
0700000100076	Not Acknowledged	0% Acknowledged	Acknowledgments 0/1

Supply Chain Automation

↑ Expedite Deliverables

↓ Shorten Turnaround Times

A *before and after* case study in a real workflow



Municipal Office Building

ID 000000283

New transmittal

Incoming

Outgoing

Drafts

Track submittals easily with color coded indicators

Acknowledge selected





Show all types

Transmittals

RFS



Show assigned to me

Subject	Classification	Received	Purpose	Status	Progress	Actions
 Master Schedule Update - May 2013 ID 000000283-SM-0000003 From Tom Sender45, Eagle Infrastructure Package ID 000000080-TR-0000003		07/30/2015 3:04 PM	For Information	 41 days acknowledgement overdue Due date: 08/01/2015 3:04 PM No response required	Acknowledgements 0 / 1	Acknowledge
 Master Schedule Update - September 2013 ID 000000283-SM-0000005 From Tom Sender45, Eagle Infrastructure Package ID 000000080-TR-0000005		07/30/2015 3:06 PM	For Information	 41 days acknowledgement overdue Due date: 08/01/2015 3:06 PM No response required	Acknowledgements 0 / 1	Acknowledge

- Fast submissions
- Instant notification
- Easy reviews/approvals
- Loop-back to engineers
- History for all workflows



Bentley®



ProjectWise Deliverables Management

CONNECT Edition



FIELD DATA MANAGEMENT ADVANCEMENTS

- Model and document visibility
- BYOD, on-line/offline access
- Latest documentation to complete task and make informed decisions
- Reliable resolution of issues from the field

Cancel
Done

Add issue

Details
Attachments
Comments

Subject
29E-1B

Description
Vessel has broken gasket

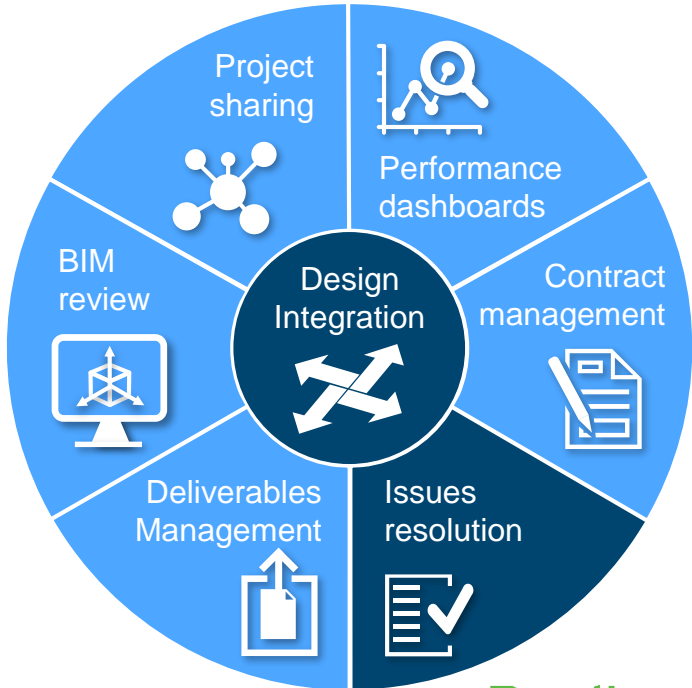
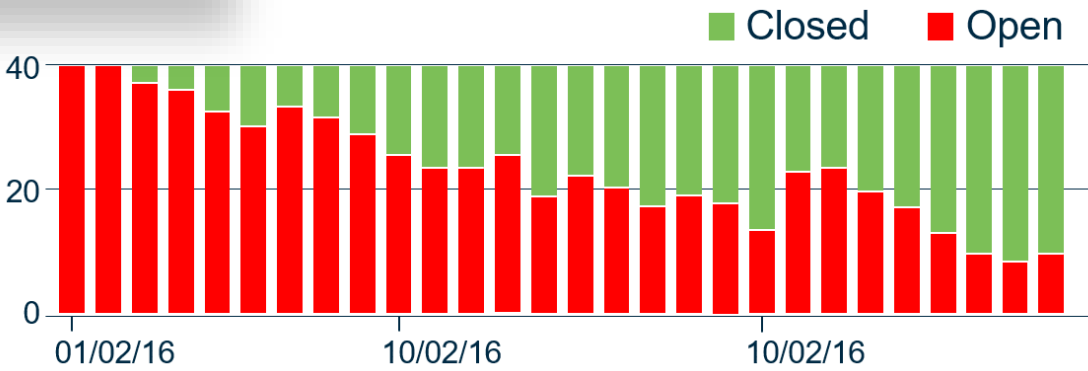
Punch Label
Equipment

Priority
High

Location
02 Reactor/HP Exchanger

Due Date
9/9/2015

Closed



CONSTRUCTION AND CONTRACT MANAGEMENT ADVANCEMENTS

Welcome to the EADOC U x

https://demo-uk.eadocsoftware.com/

Wastewater Treatment Plant [switch project](#)

Utilities Program
Water Portfolio

Owner Operator - PM/CM Firm John Smith [logout](#)

eadoc

Summary Funding Budget Contract SoV CCR CO Pay Estimates Risk Soft Cost PAO AO

[print](#)

Spending ▾ [top](#) - [Water Portfolio](#) - Utilities Program

Project	Contracted	Budget	Spent	Spent %	Pay Estimates Approved	Pay Estimates Pending	CCRs Approved	CCRs Pending	CO Approved
Maintenance Project	12,360,000.00	15,000,000.00	5,000,000.00	33.33%	5,000,000.00	3,500,000.00	540,000.00	225,000.00	350,000.00
Utilities Project	51,500,000.00	47,500,000.00	12,500,000.00	26.32%	12,500,000.00	1,500,000.00	1,500,000.00	1,000,000.00	1,500,000.00
Wastewater Treatment Plant	40,100,000.00	42,500,000.00	6,550,000.00	15.41%	6,550,000.00	3,747,500.00	100,000.00	0.00	100,000.00
Water Purifying Plant	18,457,500.00	20,000,000.00	11,567,223.00	57.84%	11,567,223.00	525,600.00	1,087,500.00	155,000.00	457,500.00
Total	122,417,500.00	125,000,000.00	35,617,223.00	28.49%	35,617,223.00	9,273,100.00	3,227,500.00	1,380,000.00	2,407,500.00

Easily track contracts, budgets, costs, contract change requests, change orders and risk items.

- Reduce project management cost
- Financial and contractual insights
- Efficient contract change management
- Reduce claims
- Manage scheduled milestones



Scope management

- Contract management
- Risk management
- Contract change management

Cost management

- Budget allocation
- Funding
- Bid and tender
- Cost association
- Pay estimates
- Payment requisitions

Quality management

- Submittals
- RFIs
- Daily logs
- Punch list
- Inspections
- Deficiency reporting
- Document management
- Object linking

Time management

- Schedule integration
- Calendar
- To-do lists



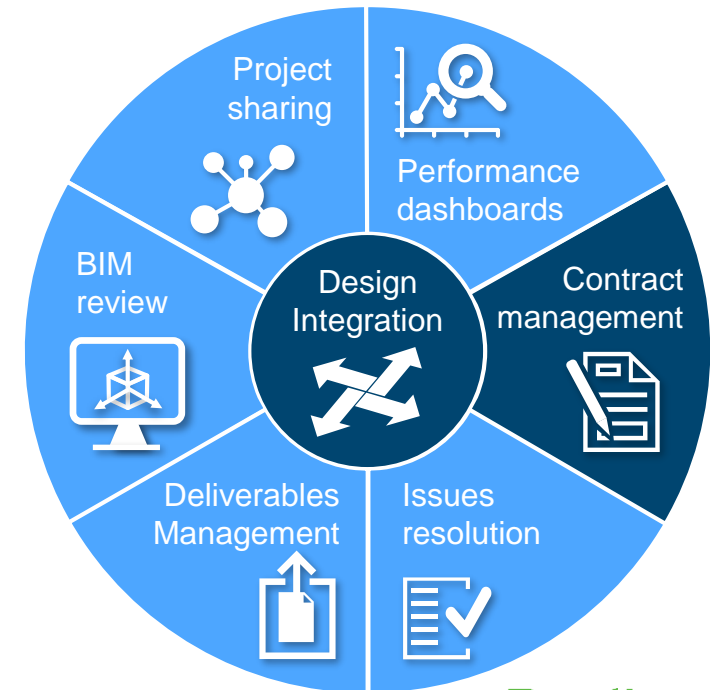
Time



Cost



Quality



DIGITAL PROJECT DASHBOARDS



ProjectWise Project Performance Dashboards

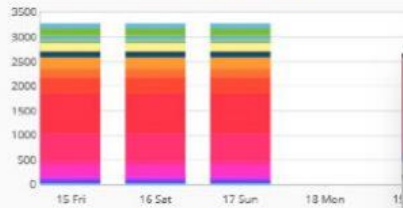
CONNECT Edition



Real-time Project Visibility

Project status and trends

Documents grouped by Discipline



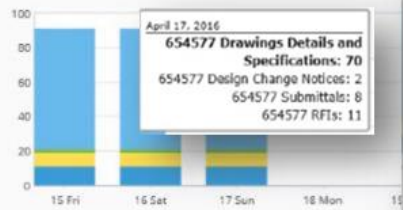
9341 0%

All project documents

80 0%

Documents

All project documents by workflow



9341 0%

All project documents

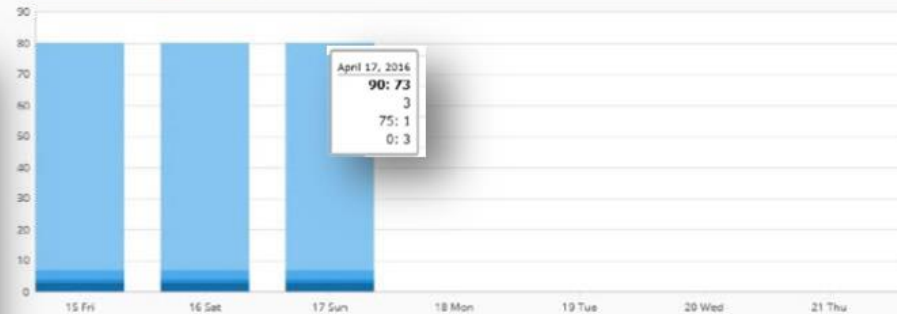
70 0%

Documents

April 17, 2016

CIVIL: 80
Civil: 166
ARCHITECTURE: 13
GENERAL: 25
PROCESS MECHANICAL: 56
STRUCTURAL: 32
ELECTRICAL: 16
HVAC: 168
INSTRUMENTATION AND CONTROL: 7
Plumbing: 122
Fire Protection: 18
Instrumentation And Control: 215
Architecture: 181
Electrical: 323
Process Mechanical: 813
Structural: 567
General: 83
Process: 233
PW_Discipline: 1
Management: 24
Demolition: 21
Corrosion: 57
Building Mechanical: 2
Geotechnical: 9
Permitting: 7
Contents: 1
Interim Review: 1
Conveyance: 2
Architectural: 16
Instrumentation and Control: 6
Process;Process Mechanical: 1

Documents in CIVIL group by completeness (Drawing %)



Documents by state in 654577 Drawings Details and Specifications workflow



Transmitted and rejected documents



Visibility into project % complete

Visibility into project status using document workflow

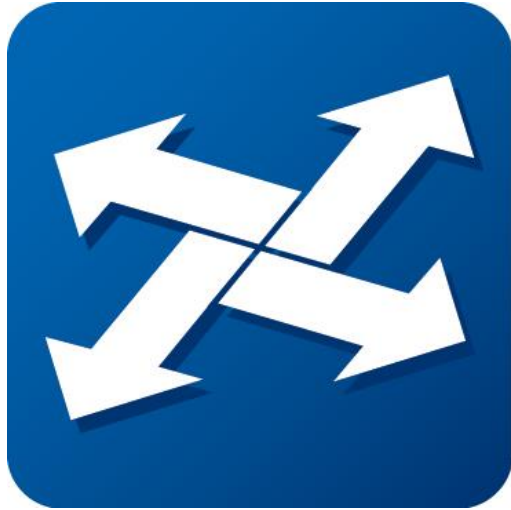
Basis for earned value management calculation



DIGITAL PROJECT INSIGHTS ADVANCEMENTS

MOVE FROM DASHBOARDS TO INSIGHTS





ProjectWise

CONNECT Edition

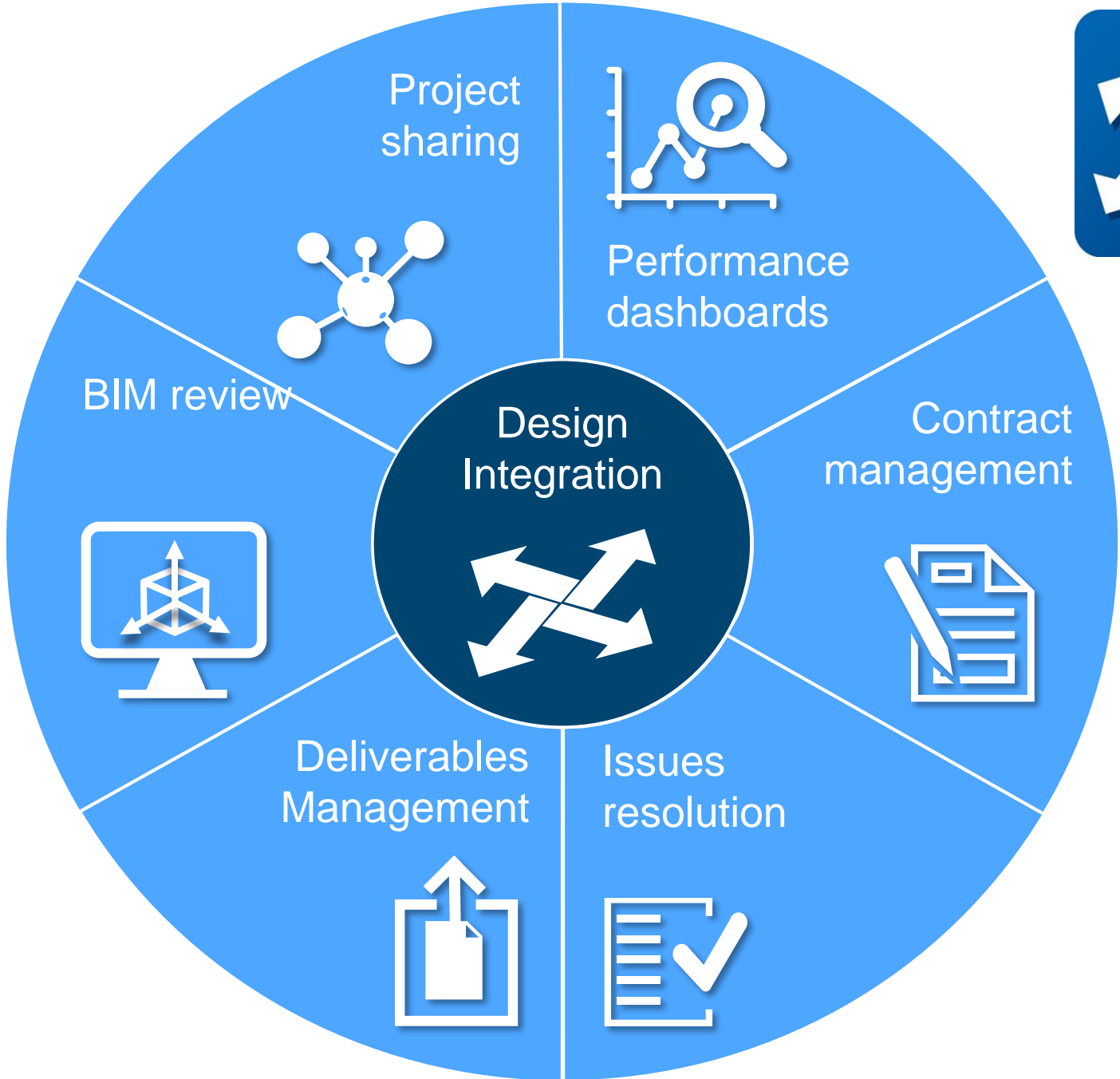
Microsoft Analytics

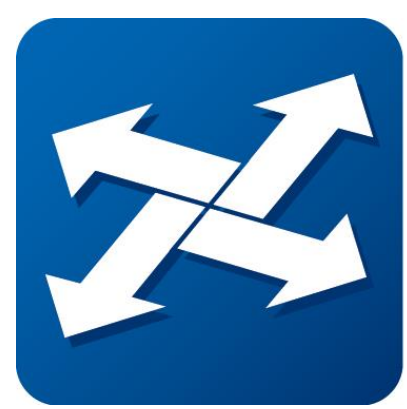




ProjectWise

CONNECT Edition





ProjectWise

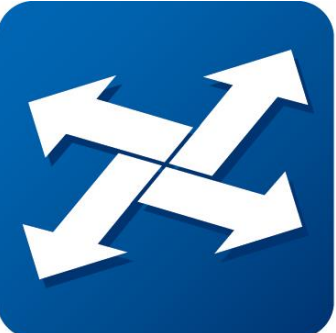
CONNECT Edition

**CONSUMPTION
BASED**

**UNLIMITED
SERVERS/SERVICES**



ROLE BASED ACCESS ADVANCEMENTS



ProjectWise

CONNECT Edition

PROJECT PROFESSIONALS:

- Design application integration
- Manage dependency and reference files
- Manage content geospatially
- Create and manage specifications
- Create and manage BIM workflows
- Issue transmittal packages for review to supply chain

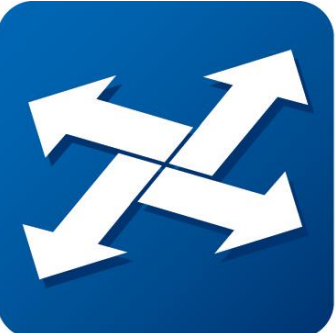


PROJECT STAKEHOLDERS:

- Access project content, document and images
- Review and approve documents and BIM workflows
- View performance dashboards and reports

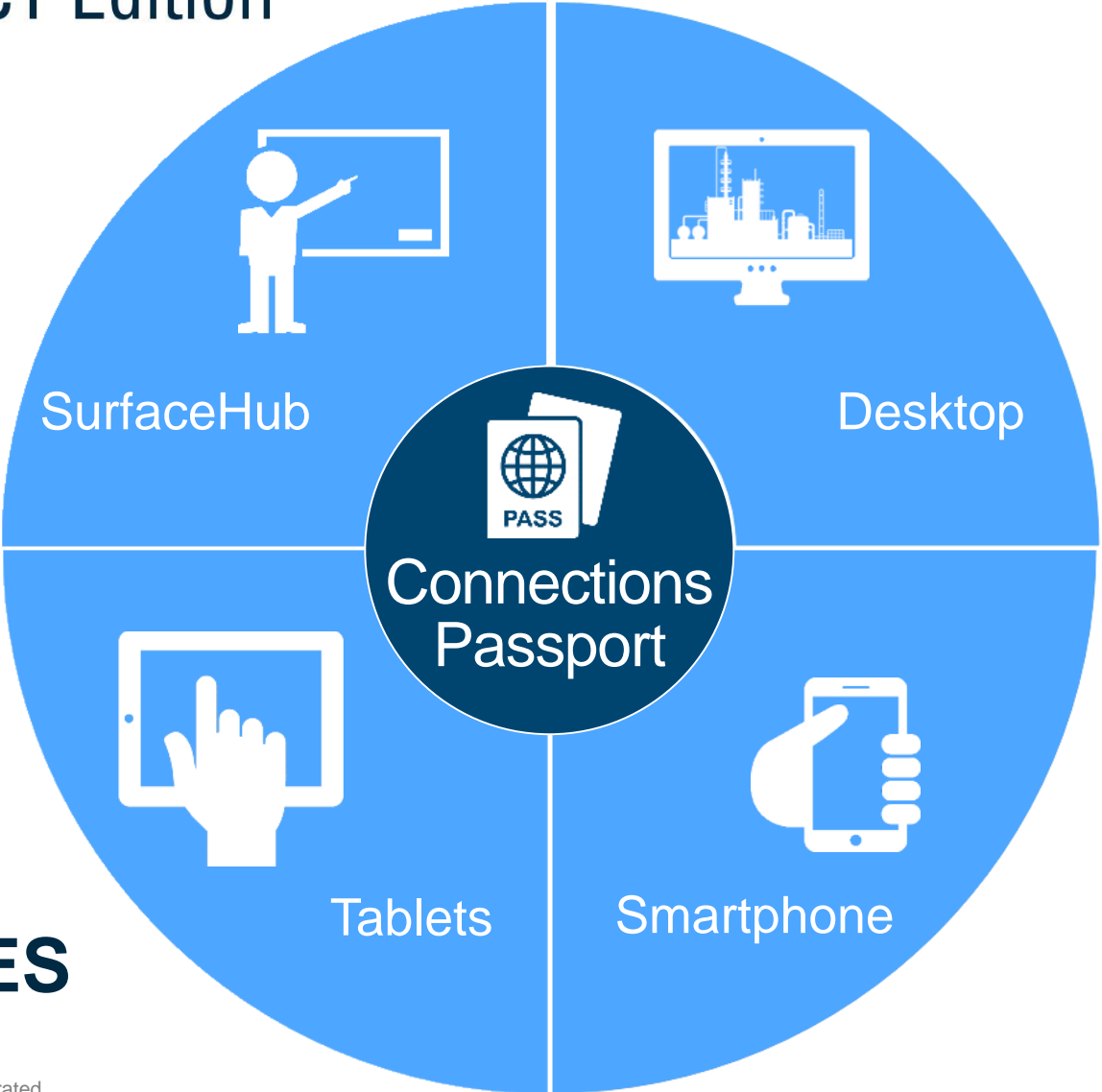
PROJECT PARTICIPANTS:

- Review and access project content
- Review models
- Create and respond to deliverables
- Create and manage issues



ProjectWise

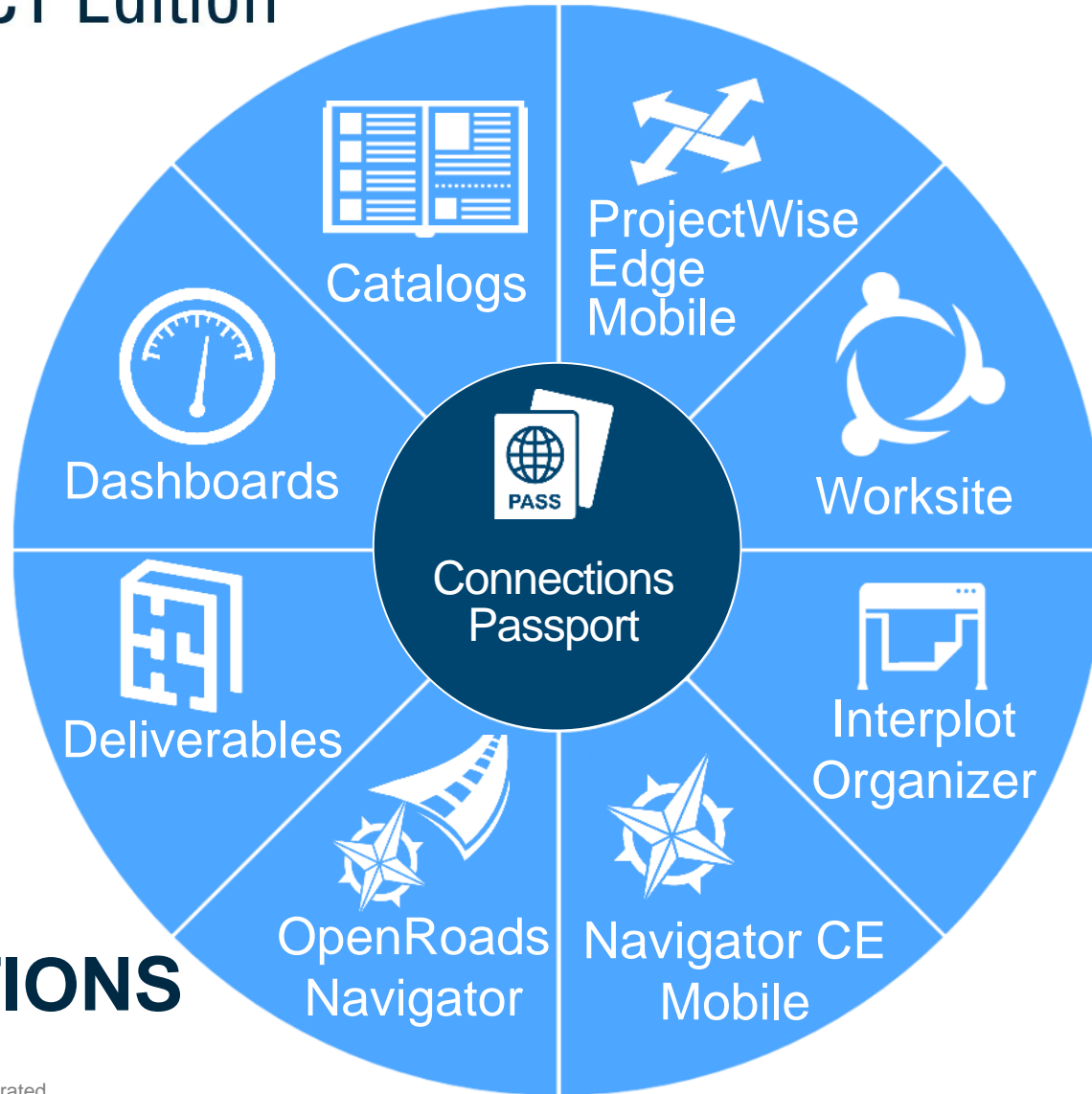
CONNECT Edition



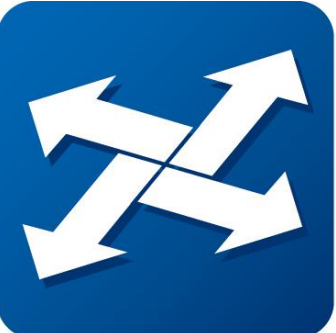
**ONE PASSPORT
MULTIPLE DEVICES**

ProjectWise

CONNECT Edition



**ONE PASSPORT
MULTIPLE SOLUTIONS**



ProjectWise

CONNECT Edition



**VISA FOR
ADVANCED FUNCTIONS**

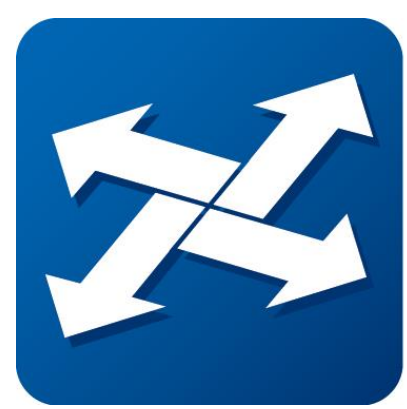


ProjectWise Edge

CONNECT Edition

JUST OUT OF DEVELOPMENT!!

- Projects
 - View project properties
 - Project Navigation
 - Favorite a project
 - Most recently used project
 - Select project from Map view
- Multi discipline design
 - Application Open with
 - Caching servers
 - Design review and coordination
 - Specifications Management
- Folders
 - Create
 - Delete
 - View Properties
 - Create Shortcuts
- Documents
 - Copy out
 - Check-in/Check-out
 - Windows drag and drop
 - Update or refresh server copies
 - View properties
 - Access control
 - Create
 - Delete
 - Version
 - Move
 - Export/Import
 - Free
 - Links
 - Cut/Copy/Paste
 - Search
- Workflows & Standards
 - Move documents to the Next / Previous state
- Collaboration
 - Notifications with HTML links
 - Access ProjectWise Project Sharing (site to App)
 - Access ProjectWise Performance Dashboards
 - Access ProjectWise Deliverables Management
 - Access ProjectWise Issues Resolution
- Product Install
 - Update notification
 - Feature tracking SELECT server
 - WSG version Compatibility Check

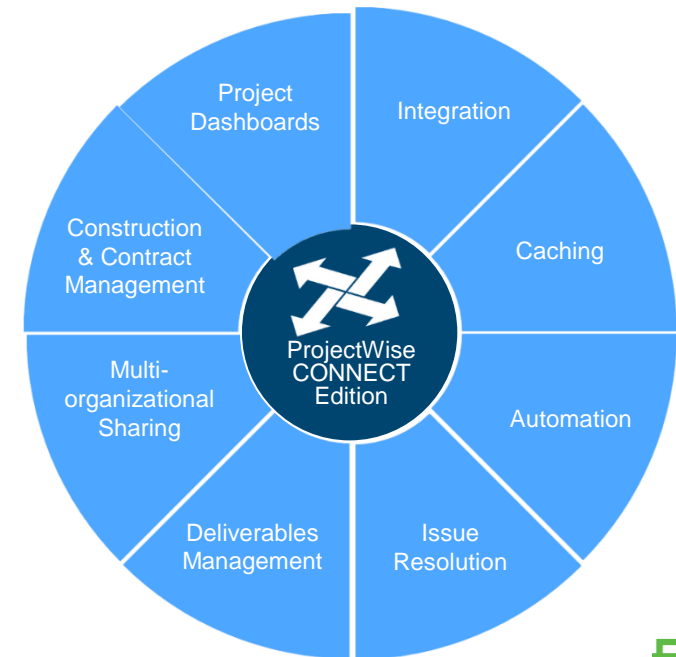


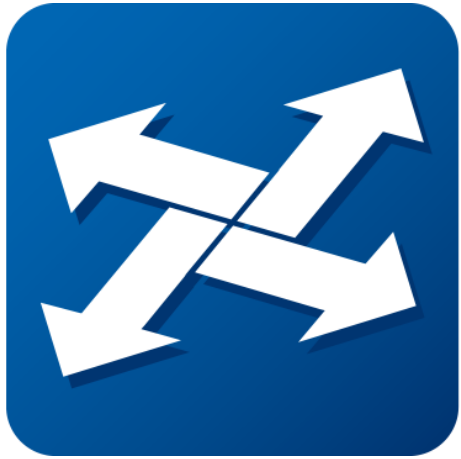
ProjectWise

CONNECT Edition

CLIENT ACCESS

- ProjectWise Explorer
- ProjectWise Edge
- ProjectWise Edge Mobile
- ProjectWise WorkSite
- ProjectWise Web Server
- SharePoint Web Parts
- ProjectWise Web View Server





ProjectWise

The new version of ProjectWise Design Integration is for everyone!

ProjectWise Design Integration (General Availability)

The ProjectWise system of collaboration servers and services ensures information mobility with integrity for AECO information used in the design and construction of infrastructure projects while the w... [More »](#)

▶ [All Downloads](#)

Version: 10.00.01.67

**GOING DIGITAL
WITH PROJECTWISE**