Going Digital: Advancing Infrastructure Through Digital Workflows

Bhupinder Singh
Chief Product Officer, Bentley Systems
Going Digital
Problems
- Create new infrastructure to resolve sewage overflows into the River Thames for the next 120 years
- Coordination of 12 design disciplines and vast amounts of project data
- Implement digital strategy to connect diverse teams and improve collaboration

Outcomes
- Completed 2 years ahead of schedule
- Saved 32% on project delivery

Playbook:
- AECOsim Building Designer
- LumenRT
- Bentley Pointools
- ContextCapture
- MicroStation Navigator
- ProjectWise
- STAAD

Mott MacDonald/CVB
Thames Tideway Tunnel
London, United Kingdom
Be Inspired Awards 2017: Nominee
BIM Advancements in Rail and Transit

Playbook:
- AECOsim Building Designer
- ContextCapture MicroStation
- Navigator
- OpenBridge Modeler
- Power Rail Track
- Promis.e

Maharashtra Metro Rail Corporation Limited
Nagpur Metro
Nagpur, Maharashtra, India
Planning to Performance

Connected Data Environment

- ProjectWise CONNECT Edition
- AssetWise CONNECT Edition
- Office 365
- Azure

Context Share
SELECT services
Components Center

Design
Build
Operate
Going Digital: Digital Components
Going Digital: Digital Context
Going Digital: Digital Workflows
ProjectWise CONNECT Edition

- Integrated Project Delivery
- Virtualize Talent Global Execution
- Supply Chain Collaboration
- Work Process Automation
- Performance Visibility
- Quality Assurance
- Owner Affinity
- Repeatability
100+ COUNTRIES

1M+ PROJECTS DELIVERED

1M+ MONTHLY BUSINESS PROCESS AUTOMATIONS

10B+ AUDIT TRAIL RECORDS

1 CONNECTED DATA ENVIRONMENT
ProjectWise 365 Services: Office 365

- Deliverables Management
- Share
- Performance Dashboards
- Issues Resolution
- Field Data Management

Office 365

- Flow
- SharePoint
- OneDrive
- Azure Search
- Power BI
Project Insights using Microsoft PowerBI

KPIs and aggregated analytics across enterprise data sources
Going Digital: Project and Asset Performance
Thank you

Bhupinder Singh
Chief Product Officer