The Gamification of Project Data

Interoperability Standards

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Nathan Wood

- Chief Enabling Officer, SpectrumAEC
- Executive Director, CPC
- Reformed “BIM Guy”
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Travis Voss

- Technology Manager, Mechanical Inc.
- Co-chair, Membership Engagement, CPC
- “I don’t know anything”...mentality
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Dan Smolilo

- Director of Process & Innovation, Walsh Group
- Chair, Though Leadership, CPC
- Construction Shared Pains Podcast
Construction Progress Coalition (CPC) is a non-profit organization uniting AEC Professionals & Technology Solution Providers (TSPs) to define the future of project data governance through a Common Data Exchange (CDX). The CDX framework provides a digital literacy for project stakeholders to define interoperability requirements with the help of open data standards and gamification. Together, we are transforming the future of project delivery in the digital age.
Gamification...Of Standards?

- Stakeholders
- Activities
- Stores
- Transfers (manual/auto)
- Translations
- Triggers
- Tools
“Duplicate and triplicate entry of data”

“The flow of data is one limiting factor for us. As a specialty contractor, we’re often dictated to regarding what technology and software will be used on a project. That leaves us working in solutions that are not optimized for us, or with us doing duplicate and triplicate entry of data. We’ve joined Autodesk and other partners in the Construction Progress Coalition, who are working to address this problem with the concept of a Common Data Exchange and common data standards. This flow of data is a big problem for all of us in the industry, so to truly advance we need to work together to develop standards that will release this data and allow for new ways of working.”
Current Interoperability #SharedPains?

- “Internal” Data Silos
  - Walsh PM <-> Walsh ERP

- “External” Data Integration Barriers
  - Mechanical PM <-> Walsh PM

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#ITCon19
Opportunities for External Integration

- Bond Application
- Bid Submission
- Request for Information
- Payment Application
- Submittal Review
- As-built Handover

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Solving the Workflow Puzzle: RFIs

1. Contract document -> RFI Reference
2. Field <-> Office Transfer
3. Trade <-> GC Translate
4. Design -> Notify Status
5. Response -> Impact
The Role of Third Party Middleware

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What’s the Balance?

- Risk Management
- Standards Enforceability
- Continuous Improvement
Questions? Comments? Shared Pains?

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