Digitizing Construction: How Autodesk and Aurigo are Investing in the Future of ConTech

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Safe Harbor

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About the speakers

Matthew Steere  
Construction Industry Strategist, Autodesk

Matt has over 18 years of design, construction and technology experience. Matt provides the construction industry strategy direction in North America for Autodesk. He has provided consulting outcomes for business process change within Autodesk construction customers. Prior to Autodesk, Matt has led multiple contractors in their technology strategy and implementation.

Kevin Koenig  
Chief Technology Officer, Aurigo

Kevin has over 25 years of experience in software engineering, business development and product management for software product businesses. At Aurigo, Kevin sets the overall technology and product direction, and helps evangelize the future of cloud technology solutions for capital infrastructure and facility owners. Prior to Aurigo, Kevin has held senior executive positions at Sasken Communications Technologies, Lucent and Ascend Communications.
Most powerful portfolio of construction management software products supporting workflows spanning all phases of construction
Expanding Connected Construction
Autodesk + Aurigo

Why Autodesk + Aurigo?

Aurigo and Autodesk have joined forces to develop the most comprehensive set of cloud-based solutions for public and private owners. This partnership redefines the construction software landscape for both capital management and private development as Aurigo integrates with Autodesk Construction Cloud, giving owners a single technology platform for design, planning, construction and operations.
### Capabilities

| 1 | Capital Projects  
    | Capital Programs  
    | Capital Funds  
|---|---|---|
| 2 | Design Authoring  
    | Design Collaboration  
|---|---|---|
| --- | Model Coordination  
    | Model Conditioning  
    | Quantification  
    | Bid Management  
    | Qualification  
| --- | Project Management  
    | Project Financials  
    | Field Collaboration  
    | Quality & Safety  
    | Commissioning  
| --- | Facilities Maintenance  
    | Asset Lifecycle  

### Shared Data

**Data**
- Models  
- Drawings  
- Issues  
- Specifications  
- RFIs  
- Cost  
- Assets  
- As-Buils

### Insight

**Predictive Analytics & Risk Management**
- Predictive Analytics  
- Benchmark Reports  
- Mitigation Strategies

### Network

**Builders Network**
A full suite of products to plan, build, maintain and operate.
A+A Partnership Offerings

**MASTERWORKS AND AUTODESK DESIGN INTEGRATION**
Bring together Autodesk design tools with Masterworks

Integrate Masterworks and Autodesk design products:
- End-to-end digital connected workspace
- Ability to view AD design and engineering files inside Masterworks

**MASTERWORKS CONNECTOR TO PLANGRID**
Connecting owners working in Aurigo Masterworks with their contractors working in PlanGrid

Seamless collaboration between owners and their contractors:
- Contractors and owners can share and collaborate on RFIs, issues, and documents
- Eliminates duplicate entry into Masterworks

**CAPITAL PLANNING FOR AUTODESK CONSTRUCTION CLOUD**
Adding capital planning and project financials capabilities to the unified ACC product creates a complete digital lifecycle solution for owners

Owners get full digital lifecycle management:
- Enriched construction project management functionality
- New capital planning and project financials
- Enriched project reports and dashboarding
Aurigo Masterworks + Autodesk Design and Construction Tools

Integrated planning, design and construction management for large public agencies, private owners, and contractors

- Advanced capital planning and project financials capabilities
- Integrated design and engineering reviews
- Robust construction project management that lets you manage resources, contracts, costs, and schedules
- Automated quantification
- Full process automation for contractors
- Centralized document management and reporting
A+A Partnership Offerings

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Integration Overview

AUTODESK CONSTRUCTION CLOUD

CONTRACTOR

MW - PG Connector

RFIS
ISSUES
DOCUMENTS
SHEETS

OWNER

MASTERWORKS CLOUD
Masterworks connector to PlanGrid

Enables seamless collaboration between owners and contractors using PlanGrid

FOR OWNERS

• Get better data and reduce project risks with connected contractors
• Help construction teams be more productive and ensure everyone’s always on the current set
• Collect accurate data from construction sites as they’re being built
• Ensure there are no data leaks or data delays

FOR CONTRACTORS

• Submit data directly to the project owner in Masterworks
• Real-time access to the owner’s project information
• Save the time, effort, and error risk of duplicate entry
A+A Partnership Offerings

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- Enriched project reports and dashboarding
Capital Planning for Autodesk Construction Cloud

A complete digital construction lifecycle solution for owners

- New capital planning and owner-centric project financials capabilities
- Project is managed in ACC from conception to closeout
- Unified UI/UX
- Centralized document management and program- and project-level dashboarding and reporting
Capital Planning

Prioritize your capital projects effectively and align your capital expenditure to your business growth strategy

- Prioritize spending effectively
- Monitor project performance with central oversight
- Optimize growth and meet organization goals
- Base decisions on reliable data
- Reduce risk with project scoring and what-if analysis
- Easily forecast focused cash flow
Capital Planning

Capital Projects

Capital Budget

- Fiscal Constraint Analysis
- Amendments
- Out-of-the-Box Reports
- Manage Capital Needs
- Budget & Cashflow
- Prioritize Projects

- Multi-Year Programs
- Hierarchy of Programs
- What-If Scenario
- Manage Fund Sources
- Revenue Forecast
- Program Budgeting
Project Financials

01 SCHEDULE OF VALUES
Associate funds, budget line items and groups

02 DELIVERY PROGRESS
Work Completion, Daily Progress Reports

03 PAY APPLICATION
Create Pay Application (Progress Payments)

04 CHANGE ORDERS
Potential Change Orders and Change Orders

05 PURCHASE ORDERS
Manage non-construction purchase orders/commitments

06 EXPENSES
Track direct expenses and purchase order payments

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Capital Planning and Project Financials