



# Going Digital

Leveraging Digital Processes to Streamline  
Design and Construction Workflows

Ash Hanson  
Industry Consultant

Erik Schonsett  
Architect | Manager, Consulting Services



# Agenda

## Defining Our Focus

Objective

## Problems with Paper

Common Issues

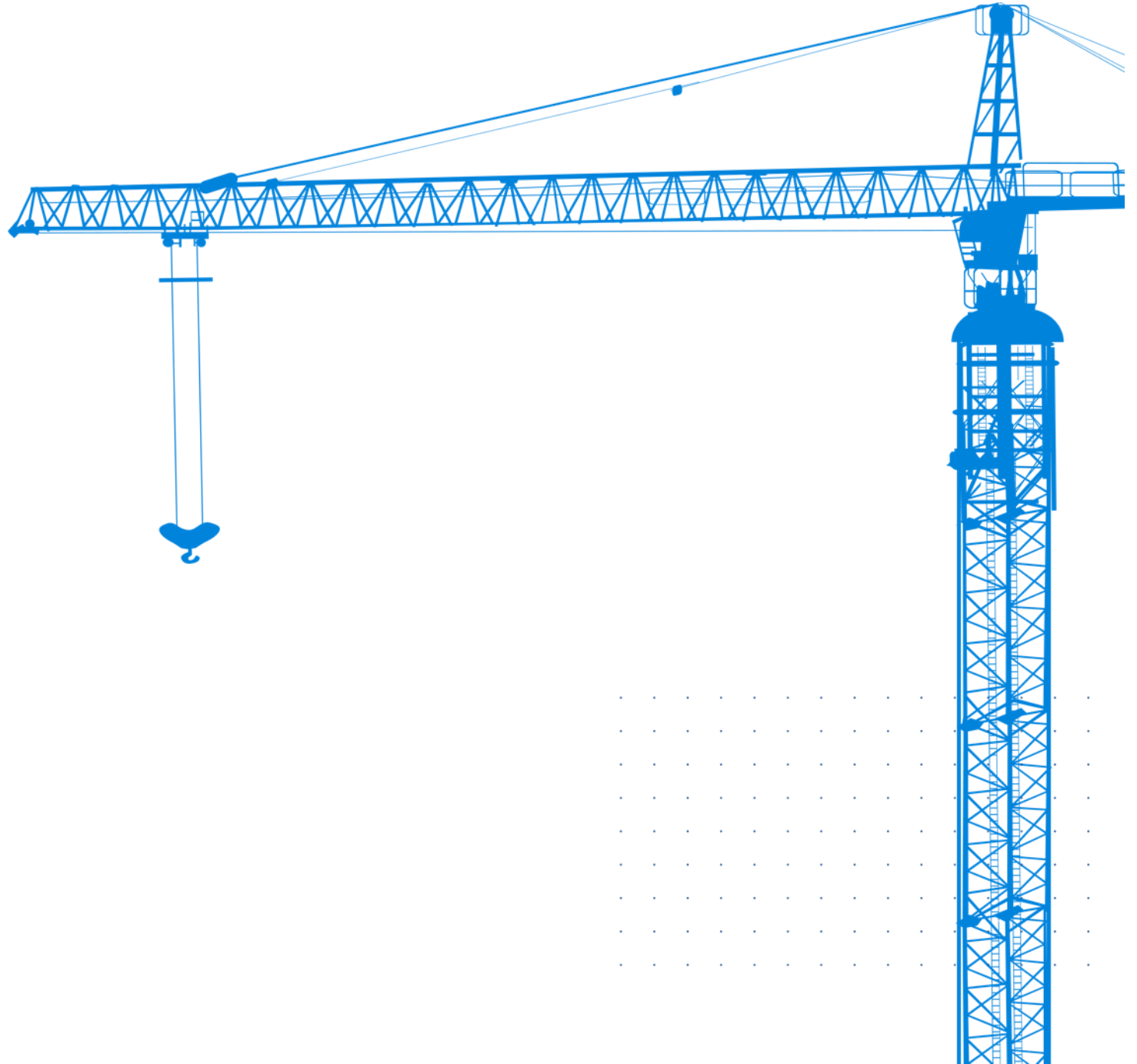
## Real-World Impact

Customer Stories

## What Now?

Implementing Digital-First

## Q&A





# Defining Our Focus

# Objectives

- Define Pain Points
- Digital Across Size, Phase, and Role
- Strategies for Success





# Problems with Paper



**mistakes**

**issues**

**expenditure**

**waste**

**out-of-date**

**challenges**

**communication**

**rework**

**risk**

**time-consuming**

**low productivity**

**manual cost**

**administrative**

# Today's AECO Challenges

## Effective Communication

- Version control
- Working across disciplines and project phases
- People working from multiple locations

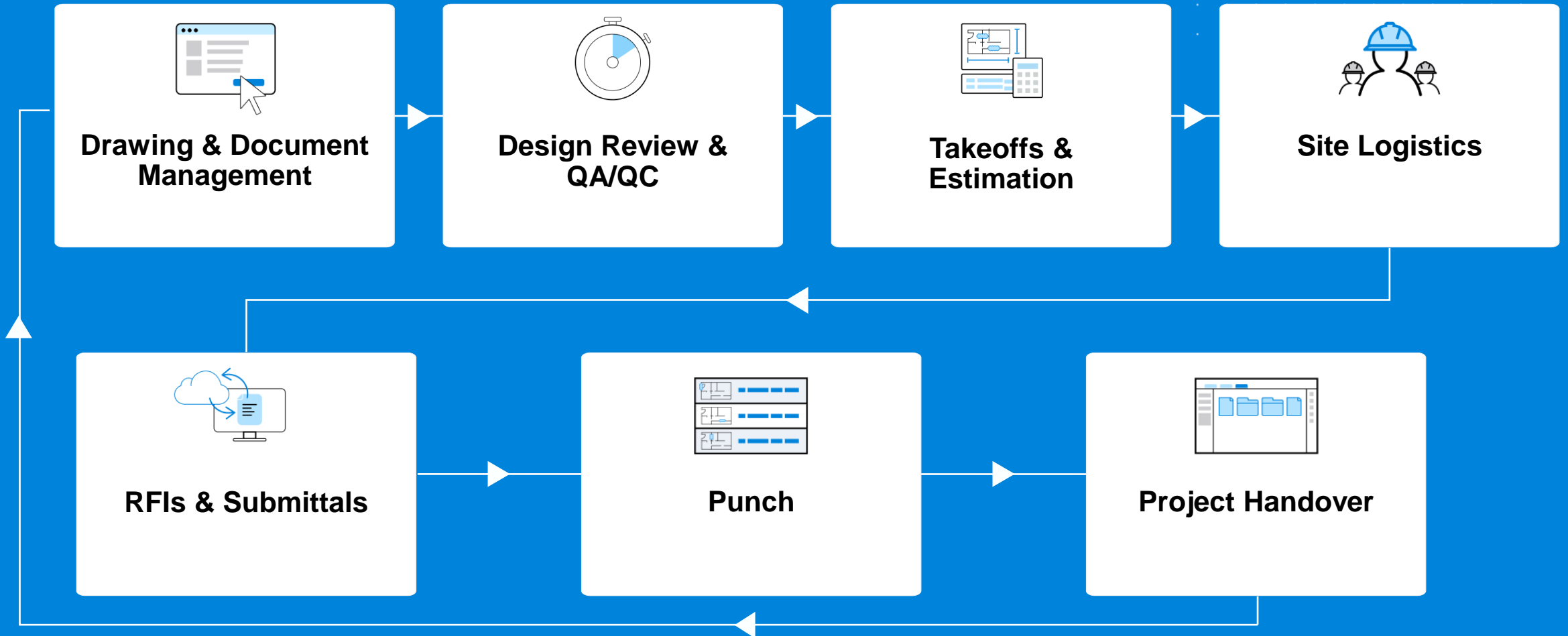
## Project Demands

- Bigger, more complex projects
- Aggressive timelines
- Changing teams and personnel

## Staying Competitive

- Economic pressures
- Cost overruns from inefficiencies and mistakes
- Margin pressures on winning new business

# AECO Workflows







**Real-World Impact**

# Shifted to Digital Workflows

AECOM

ARUP

BrandPlan  
BRANDSCHUTZ

CANNONDESIGN

COTTEEPARKER  $\Phi$

COWI

 Kiewit

RAMBOLL

SKANSKA

Turner

Wg waltgalmarini

NCC

SWINERTON 

Mortenson 

HILSON  
MORAN

ballymore.

 MTHøjgaard

HR | Hurley Palmer Flatt

WEITZ

  
SYSKA HENNESSY  
GROUP

 statix  
GmbH

HTL  
Rankweil

 SUNDT

RYAN

Balfour Beatty

# City of Las Vegas

~20,000 Permits/year

Avg. 8k Reviews/year



## Before:

- Volume
- Time Consuming
- Storage
- Multiple Locations



## After:

- Online Submittals
- Cost Savings
- COVID Remote Work



# Interstate Electrical

Commercial Electrical Contractor  
Offices Across Six States



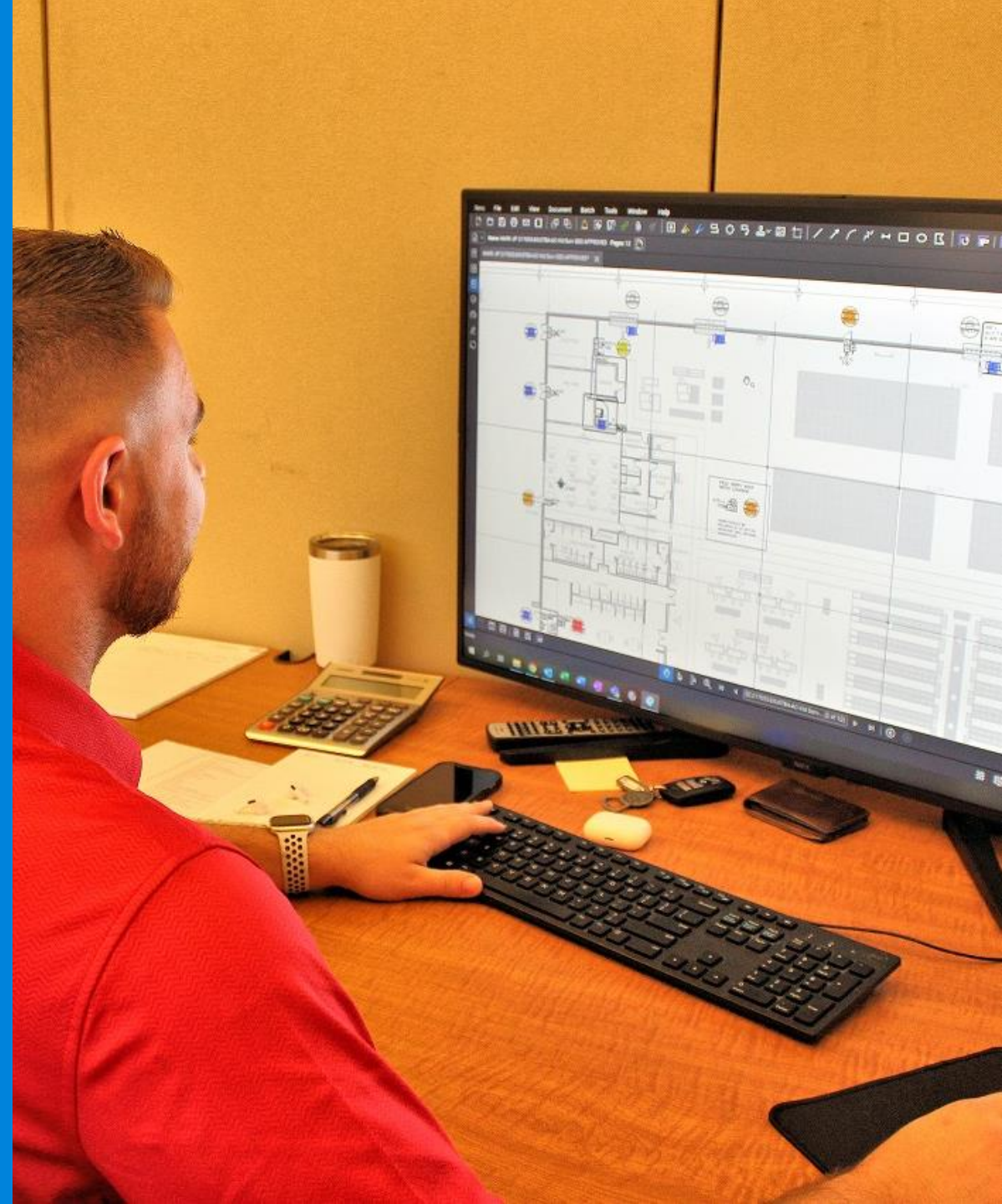
## Before:

- Wheel & Paper Estimation
- Manually Transfer Notes from Paper
- Combining Information w/Scissors, Tape, & Copier
- Missed Comments = Change Orders



## After:

- Lean Methodology
- Ability to Quickly Identify Changes
- Lower Human Error = Saving Time & Money



# Cottee Parker

Architecture & Design Firm in Australia

Lead on Queen's Wharf Brisbane



## Before:

- Distributed Marked Up Paper to Multiple Locations
- Legibility Issues
- Misplaced Documents
- Difficult to Find Comments on Old Versions



## After:

- ~50 Person Team Reviewing in Real-Time
- 5k Documents/month
- 50% Time Savings on Approving





**What Now?**

# Implementation

- Alignment
- Planning
- Messaging
- Training + Launch
- Iterating





Q & A





# Thank you!

**Booth #350**

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