The Business Value of Autodesk Construction Cloud

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Introduction

Today's construction leaders are constantly being asked to do more with less. Teams face pressure to deliver projects faster, with higher quality, and at lower cost—all while navigating economic uncertainty, labor shortages, and rising material prices.

It's a tall order, to say the least. That's why firms are increasingly turning to technology and digital transformation to simplify workflows, improve safety on the jobsite, and protect already-tight margins.
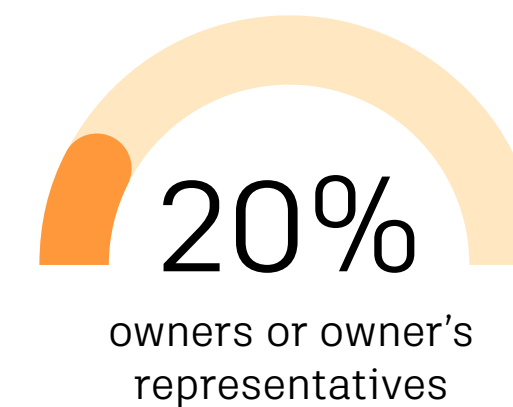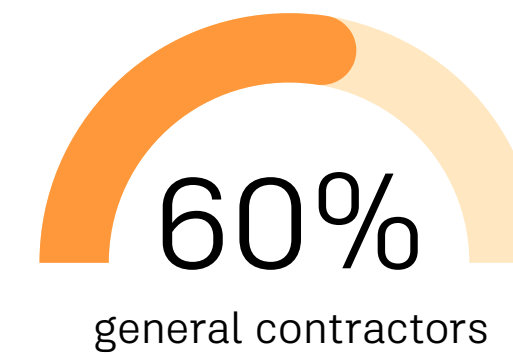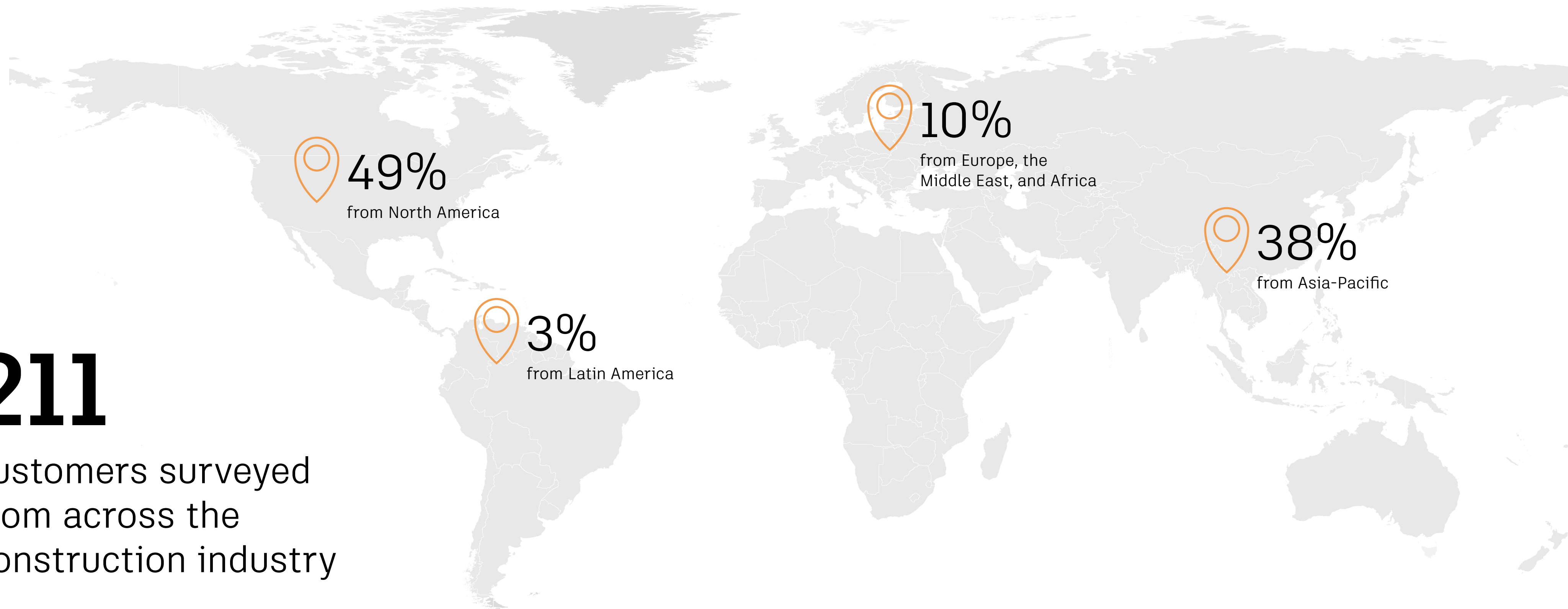
This is where it gets tricky. While adopting digital tools can certainly be a game changer, quantifying the return on investment (ROI) on your tech investments isn't always clear cut. Are your solutions really moving the needle? And how do you prove the business impact to your stakeholders?

At Autodesk, we believe technology shouldn't just connect your projects; *it should also demonstrate measurable value.*

49%
from North America

10%
from Europe, the
Middle East, and Africa

38%
from Asia-Pacific

3%
from Latin America

60%
general contractors

20%
owners or owner's
representatives

20%
specialty contractors

211

customers surveyed
from across the
construction industry

For more than a decade, Autodesk has invested in creating powerful technology made for construction teams. With the introduction of Autodesk Construction Cloud (ACC), Autodesk took a significant leap forward, providing an integrated suite of tools that help connect workflows, teams, and data across the stages of construction.

But beyond just providing technology, we want to make sure you're able to measure and achieve clear business outcomes.

The Business Value of Autodesk Construction Cloud report collates the tangible benefits of the connected construction platform. To create this report, Autodesk surveyed 211 current customers across the construction industry, including 60% general contractors, 20% owners or owner's representatives, and 20% specialty contractors. Forty-nine percent of respondents represented projects and teams from North America; 38% from Asia-Pacific; 10% from Europe, the Middle East and Africa; and 3% from Latin America.

In addition to survey findings, the report also includes vetted ROI metrics drawn from Autodesk customer case studies. Together, these insights paint a more complete picture of the measurable impact ACC delivers from operational efficiency and workforce productivity to quality, safety, and business growth.

It's also worth noting that all survey statistics reflect the average self-reported improvements among customers who saw gains in each outcome area, while case study metrics represent verified, real-world results achieved by Autodesk customers.

Key findings

To understand the specific areas of value Autodesk Construction Cloud provides to our customers, the survey asked customers to share the top outcomes that ACC helps deliver for their businesses. **We then ranked the top five outcomes that customers earned with ACC:**
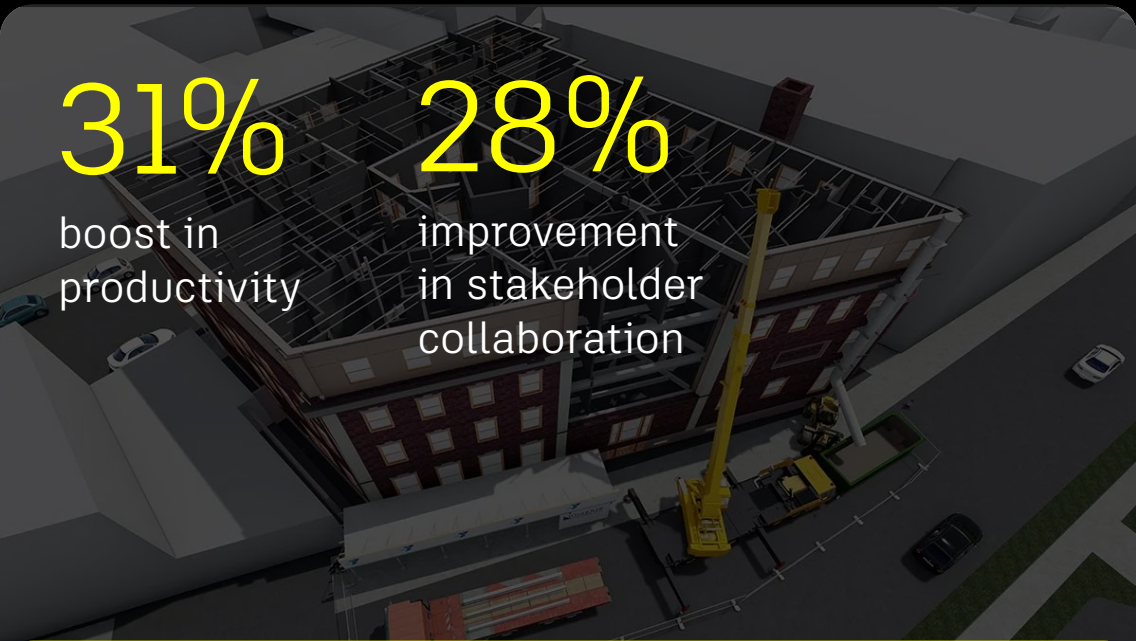
01   Workflow automation

02   Rework reduction

03   Request for information (RFI) response times

04   Stakeholder collaboration across project lifecycle

05   Change order reduction

Customers report considerable gains since implementing Autodesk Construction Cloud:
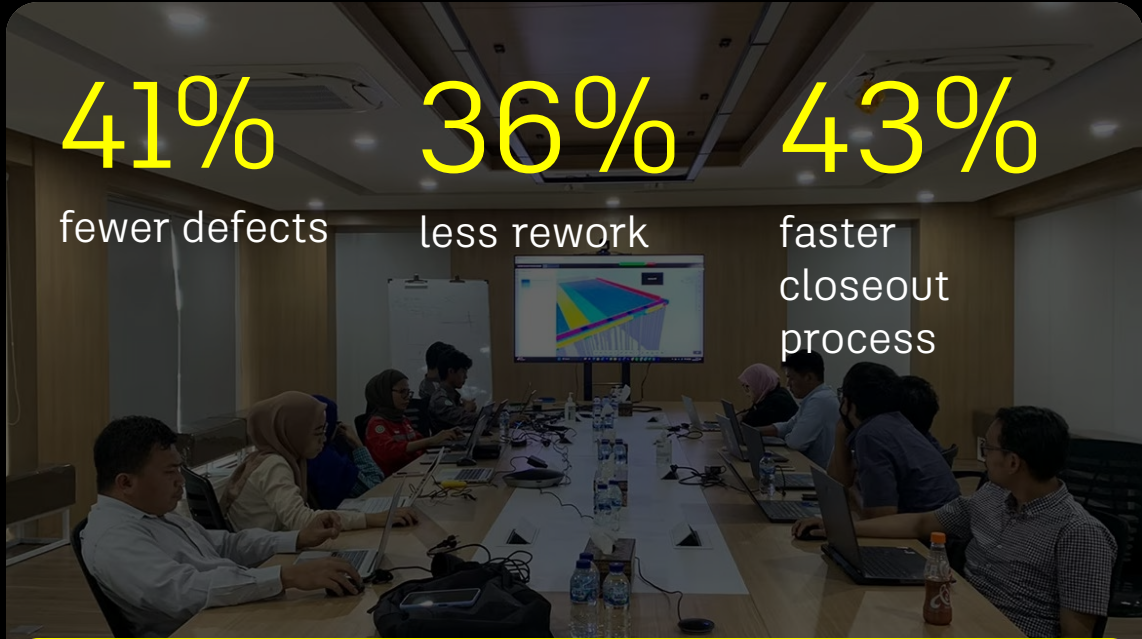
35%
improvement in cost control

CASE STUDY

With support from Autodesk Build, Charles Perry Partners, Inc. (CPPI) has **delivered 97.8% of projects on time and within budget.**

31%
boost in productivity

28%
improvement in stakeholder collaboration

CASE STUDY

With support from Autodesk Takeoff, Windover Construction, Inc. automated the quantity takeoff process on a project, **saving up to 30% estimating time.**

41%
fewer defects

36%
less rework

43%
faster closeout process

CASE STUDY

With help from Autodesk Construction Cloud, PT PP (Persero) Tbk estimates that the business has seen **an improvement in accuracy of around 20-25%,** depending on the project's complexity.

50%
increase in on-time completion rates

33%
improvement in resource planning

CASE STUDY

Brinkman Construction estimates that Autodesk helps the company **reduce project execution time by 50%** compared to its previous processes.

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These benefits were reflected across all customer types. From general contractors to specialty contractors to owners, the impact of Autodesk Construction Cloud was consistent and measurable.

Results also pointed to a clear link between digital maturity and stronger performance. Organizations that have fully adopted ACC's connected workflows and data environment reported higher efficiency gains, more accurate bids, and reduced carbon emissions.

Consider PENTA Building Group, which saw an 80%–90% drop in emissions through digitized scheduling.

The data underscores a key theme: firms that invest in integrated, cloud-based construction management tools are outperforming their peers in terms of speed, quality, and profitability. ACC enables unified teams, processes, and data, which helps lead to reduced risk, higher margins, and a stronger market position.

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Efficiency at scale

Autodesk Construction Cloud delivers measurable efficiency gains across the construction lifecycle, enabling teams to streamline workflows, reduce administrative burden, and complete more work with the same resources. According to construction teams who use ACC, our platform has helped them save time while improving accuracy.
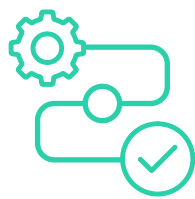
Our customer survey highlighted several key areas of efficiency and precision:

35%
improvement in cost control

Survey respondents report improvements in cost control with enhanced visibility and tracking of project costs that leads to more accurate budgeting and financial management.

34%
improvement in estimating workflows

With ACC, customers report estimating processes are faster and more reliable, providing greater confidence in project planning and execution.

34%
improvement in estimating accuracy

ACC solutions help increase precision of estimates, minimize cost overruns, and keep projects on track.

Case study highlights:

Windover Construction

Leveraged ACC to achieve a **30% faster estimating process**, significantly reducing the time required to develop accurate project estimates.

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"Autodesk Takeoff allows us, as estimators, to focus on what matters, providing a greater level of expertise to our clients."

Vice President of Preconstruction
and Head of the Estimating team,
Windover Construction

Pond & Company

Reported **30% time-savings across projects** due to enhanced permission settings for RFI and submittal workflows.

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"We had previously seen a 50% time reduction while using PlanGrid, but after transitioning to Autodesk Build, our RFIs are being answered 30% faster than they were even with PlanGrid."

Director of Project Controls,
Pond & Company

DPR Construction

The estimating team **saved 3-4 hours on project setup,** streamlining the initiation phase and accelerating the overall project timeline.

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"As we move to optimize our takeoff packages, having the ability to easily access and share takeoff data that has been categorized in a standard way company-wide will save an enormous amount of time and will add value for our clients."

Corporate Services - Preconstruction
Technology Integration,
DPR Construction

Collaboration and quality

Having all your project data and stakeholders in one place makes all the difference. Autodesk Construction Cloud makes this a reality by providing a common data environment where teams can collaborate.

By bringing everyone together and keeping all project data and communications in one place, ACC paves the way for more efficient workflows and higher-quality construction projects.

But don't just take our word for it. Let's look at the survey data and real-world results from ACC users.

ACC customers report significant quality and collaboration improvements:

28%
improvement in stakeholder collaboration

Collaborative features and workflows within ACC improve alignment among project stakeholders for better decision-making.

31%
improvement in productivity

Teams using ACC report a boost in productivity driven by reduced manual processes and more connected workflows.

36%
reduction in rework per project

With more accurate project data and improved communication, teams report that ACC helps reduce rework, supporting teams in keeping projects within budget and on schedule.

41%
reduction in defects per project

Better quality control measures in ACC helps teams reduce defects on projects.

43%
faster project closeout

ACC customers report getting to closeout sooner, leading to faster project handovers and happier clients.

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Case study highlights:

CPPI

Achieved remarkable results with **97.8% of projects delivered on time and within budget,** showcasing ACC's ability to help manage project changes.

"Combining our project and cost management workflows in Build creates greater visibility into project data. With our data in one environment, we can easily trace a change order back to an issue that was converted into an RFI, and so on. This visibility allows us to understand the genesis of a change order and how it will impact project scope."

Director of Technology,
CPPI

PENTA

Realized an impressive **80%–90% reduction in carbon emissions via digitized scheduling,** showcasing the environmental benefits and operational efficiencies ACC helps brings to the table.

"Autodesk Construction Cloud has been a tremendous tool to help us to collaborate with our trade and design partners in one environment."
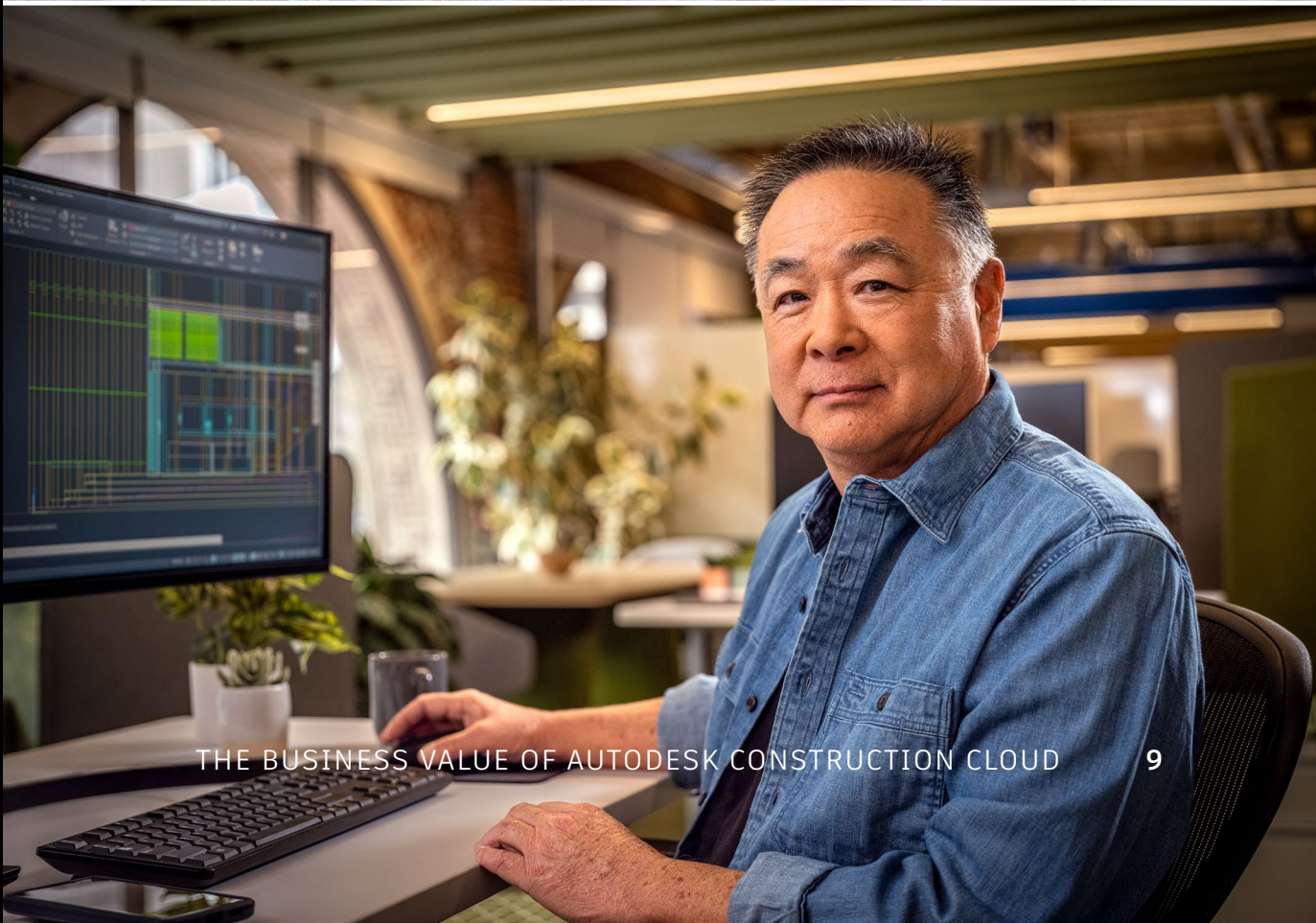
Director of Virtual Design and Construction,
PENTA

Indiana Department of Transportation (INDOT)

Improved inspector efficiency significantly, with **2.5 hours saved per inspector per week using ACC,** highlighting how ACC streamlines project inspection processes and boosts productivity.

"When you have a platform that elevates project issues and pinpoints their exact locations, there's greater accountability, and teams are more proactive in resolution."

Construction Digital Deliver Lead Engineer,
INDOT

Performance and competitiveness

Beyond efficiency and quality, with support from Autodesk Construction Cloud, firms report improving their market position and earn a stronger competitive advantage. Construction firms using ACC are reporting increased win rates and repeat business—all because they're delivering better projects for their clients.

ACC customers report some standout results when it comes to performance and positioning:
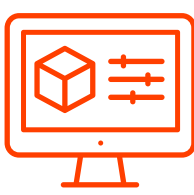
50%
increase in
on-time completion

Teams using ACC report finishing projects on schedule more often.

29%
improvement in
schedule control

With better oversight of project timelines and issues, teams are using ACC to help teams stay on track and adapt to changes quickly.
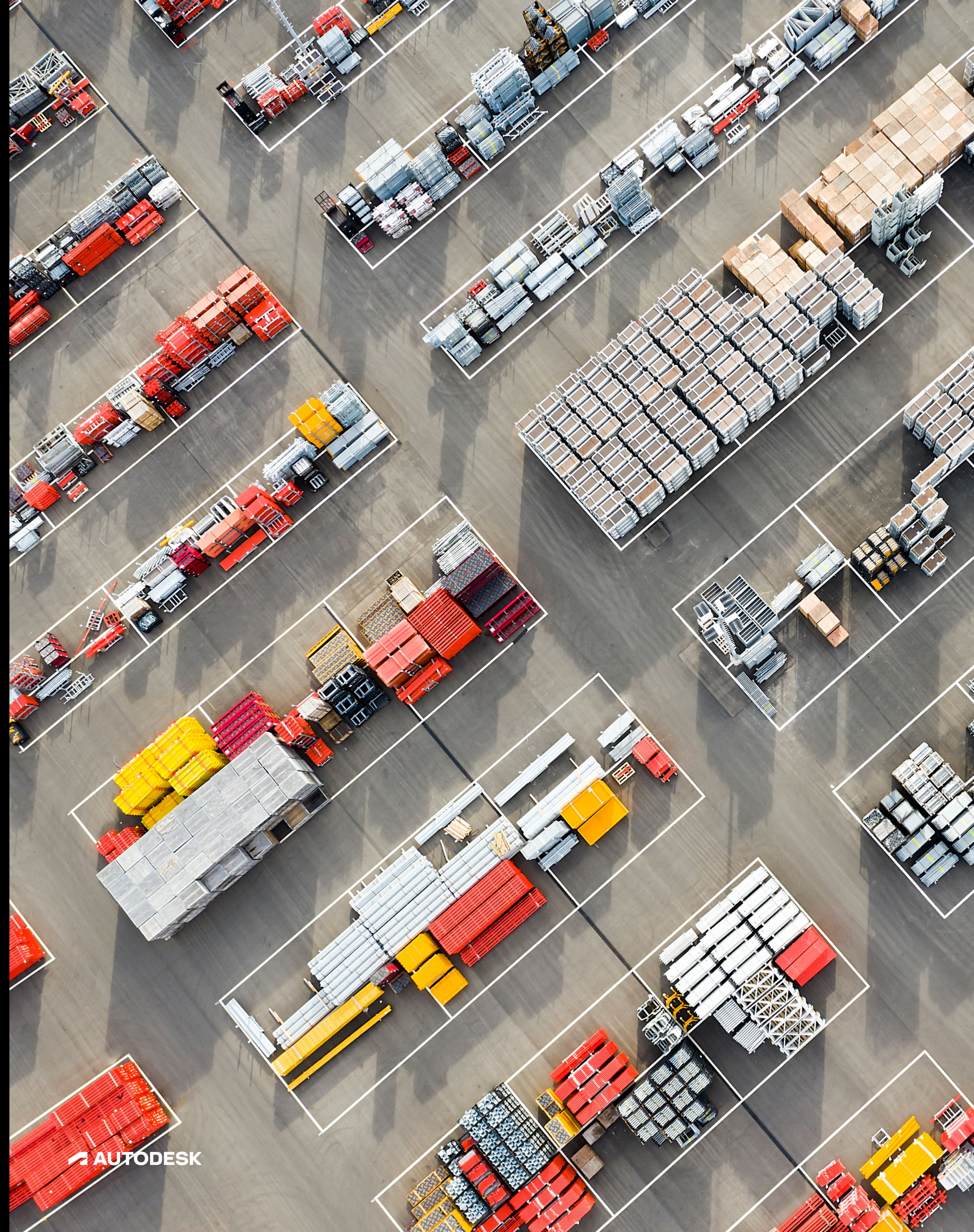
33%
improvement in
resource planning

Customers are using ACC to allocate resources more efficiently and, in turn, help projects run more smoothly.

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Case study highlights:

Bowman Flooring Contractor

Saw a 15% increase in their year-over-year win rate, securing more projects and growing their business.

"This year has been a record year for Bowman Flooring Contractor. We're $9 million over where we were last year, and we've increased our win rate by 25%. We normally average 300 restaurants per year, but this year we're already contracted to do 380."

Senior Project Manager,
Bowman Flooring Contractor

Saunders Construction

Experienced an 80% time savings in resolving RFIs, speeding up project timelines and enhancing productivity.

"Having all of the drawings at our team's fingertips saved hours a day going back to the trailer, which, of course, would be a trip down the mountain."

Continuous Improvement Manager,
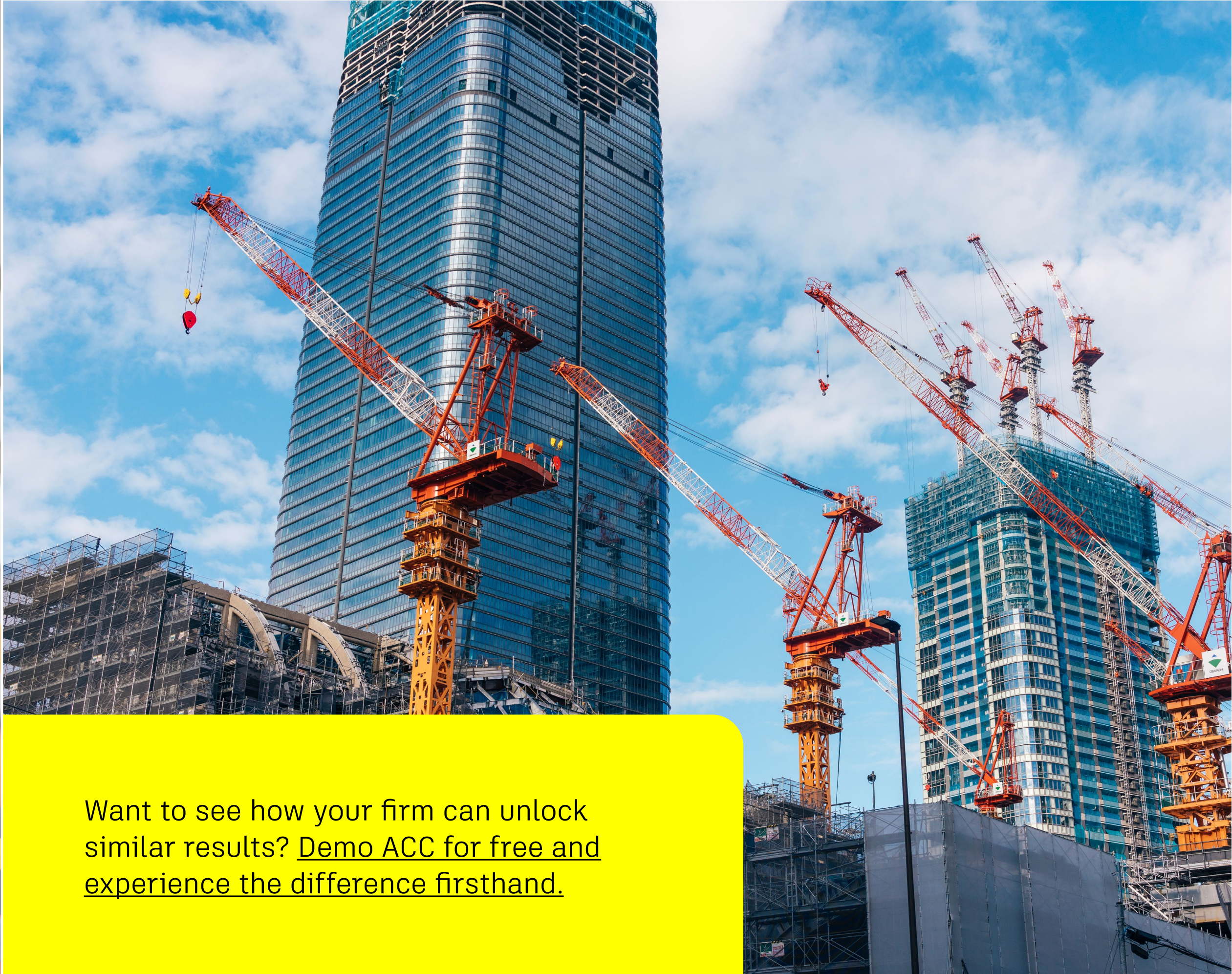Saunders Construction

Conclusion

Construction firms that want to stay competitive know that investing in technology isn't a question of "if" they should do it. Instead, *it's a question of what to invest in, and how those investments can drive measurable ROI.*

We must recognize that technology isn't just a tool—it's a strategic investment. But to continue adopting and accelerating digital transformation, firms need more than software. They need proof that their technology delivers real-world impact.

The business value of Autodesk Construction Cloud is clear: With support from ACC, construction firms don't just get connected workflows and streamlined collaboration. They report measurable time savings, reduced rework, improved quality, and stronger business outcomes.

Want to see how your firm can unlock similar results? Demo ACC for free and experience the difference firsthand.

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About Autodesk

Autodesk is changing how the world is designed and made. Its technology spans architecture, engineering, construction, product design, manufacturing, and media and entertainment, empowering innovators everywhere to solve challenges big and small. From greener buildings to smarter products to more mesmerizing blockbusters, Autodesk software helps customers design and make a better world for all. For more information, visit autodesk.com or follow @autodesk on social media.