

Construction is on the fast track to digital transformation

Analysis of digital collaboration trends between 2019-2022 shows progress and growth areas for construction's digital transformation.

The road to a completed construction project is more complex than ever. From design to plan to build to operate, success requires that everyone stays on the same page at every stage.

The construction industry is embracing cloud collaboration to speed up progress; by connecting more people, more processes, and entire project lifecycles, the industry is building faster, better, and with fewer mistakes.



Digital collaboration is accelerating

Analysis of digital collaboration metrics* shows a steady increase in cloud-based activities with more users communicating in a central environment. Centralization offers a digital record of critical coordination and change management activities, making it easier to track issues and patterns over time.

Aggregated industry-wide insights from Autodesk Construction Cloud

80,000 users 2,200 projects

More collaboration activity on issues

Total comments:

1.5X more
(2021 to 2022)

2.5X more
(2020 to 2022)

With more collaborators

Commenters per project:

121%
(2020-2022)

Multiple commenters per issue:

46%
(2019-2022)

Resolving tasks efficiently

Time to close issues:

6 days faster
(2021-2022)

12% time savings

*Aggregated, anonymized data from a segment of 80,000 users across 2,200 projects in Autodesk Construction Cloud

Shifting into a new gear with external collaboration

The industry is revving up digital collaboration, especially among internal stakeholders within companies. But it's time to share the road with external collaborators, starting in the planning and coordination phases. Early collaboration helps avoid miscommunication and rework, which can make the biggest impact on the bottom line.



Collaboration today

Largely internal

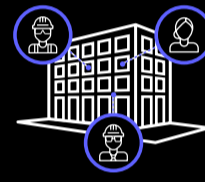
2.5 to 1
internal external
collaborators on documents



Missed opportunity

Early-stage collaboration is critical to profitability

Unprofitable projects show **50% more RFIs** than profitable ones due to coordination problems



Collaboration of the future

Multi-discipline project teams collaborate in a single environment

Today's roadblocks are tomorrow's opportunities

Teams slow to a crawl when they're hunting down data, resolving conflicts, and fixing errors. By embracing cloud collaboration, the industry is poised to overcome the roadblocks of miscommunication and missed data.

Estimated annual industry cost of poor communication

\$17B

Each construction project team member loses

14 hours
per week to non-optimal activities

Industry rework due to poor project data, miscommunication

48%

Source: 2018 PlanGrid/FMI Corporation

Rounding the corner on digital transformation

The next step in digital adoption is different for everyone. From engaging more collaborators to leveraging artificial intelligence and automation, it's time to ask:

Where should we head next?

Step 01

Start your engines by digitizing data

Make the move from analog to digital, bringing your data into the cloud.

How to drive success: Define a common data environment.

Many of you are here



Step 02

Go faster by connecting more data

Reshape processes and streamline communication, moving your data across more teams and workflows to achieve gains.

How to drive efficiencies: Focus on your integrations with other solutions like ERP software.

Some of you are here



Step 03

Full speed ahead by optimizing data

Transform systems, ways of working, and business models, leveraging emerging technologies to power predictive insights and data-driven decision-making.

How to drive transformation: Bring on automation, artificial intelligence (AI) & machine learning (ML) capabilities, virtual reality (VR), and digital twins.

Few are here



Reach your destination



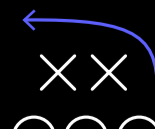
Better insights



Leaner operations



More transparency



Smarter decisions



A more sustainable, resilient workforce

Begin investing in the systems, integrations, and contracts that bring more teams and data together for end-to-end digital project delivery.

Be on the same page at every stage.

Get started