



AUTODESK  
CONSTRUCTION  
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# Understanding Data Standards & Processes in Construction

Discover research-driven insights on how data capture is standardized to better inform decision making across the construction industry.

**DODGE** DATA & ANALYTICS



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# Introduction

2020 was a pivotal year that changed how construction companies utilize technology. In fact, [according to a McKinsey Global Survey of executives<sup>1</sup>](#), companies have accelerated the digitization of their customer and supply-chain interactions and of their internal operations by **three to four years**. At the same time, the share of digital or digitally enabled products in their portfolios has been accelerated by **seven years**.

While most contractors today are using digital tools and technologies to collect and track project information, many lack consistent and reliable processes for collecting and documenting it. This affects their ability to analyze and identify issues, improve processes, and positively impact outcomes.

The question is no longer whether contractors are using technology, but rather, how they are using it, and if it is positively impacting data standards and processes.

Autodesk recently partnered with [Dodge Data and Analytics<sup>2</sup>](#) to survey 239 U.S. contractors to better understand data standards and processes in the construction industry. The goal of the survey was to identify:

- How many contractors are using software to track key processes, and the drivers and challenges associated with the adoption process
- How those contractors who have established data standards are using them to improve the quality of the information being collected, and what factors were involved in developing and implementing processes
- What types of data analysis are being conducted, and how those analysis are impacting contractors' ability to improve processes and outcomes
- What plans contractors have to expand their data standards initiatives

The findings in the report will benchmark how technology is being used, what data standards are present, and what processes are in place. The findings also identify how successful practitioners are deploying standardized data inputs to improve their project performance.

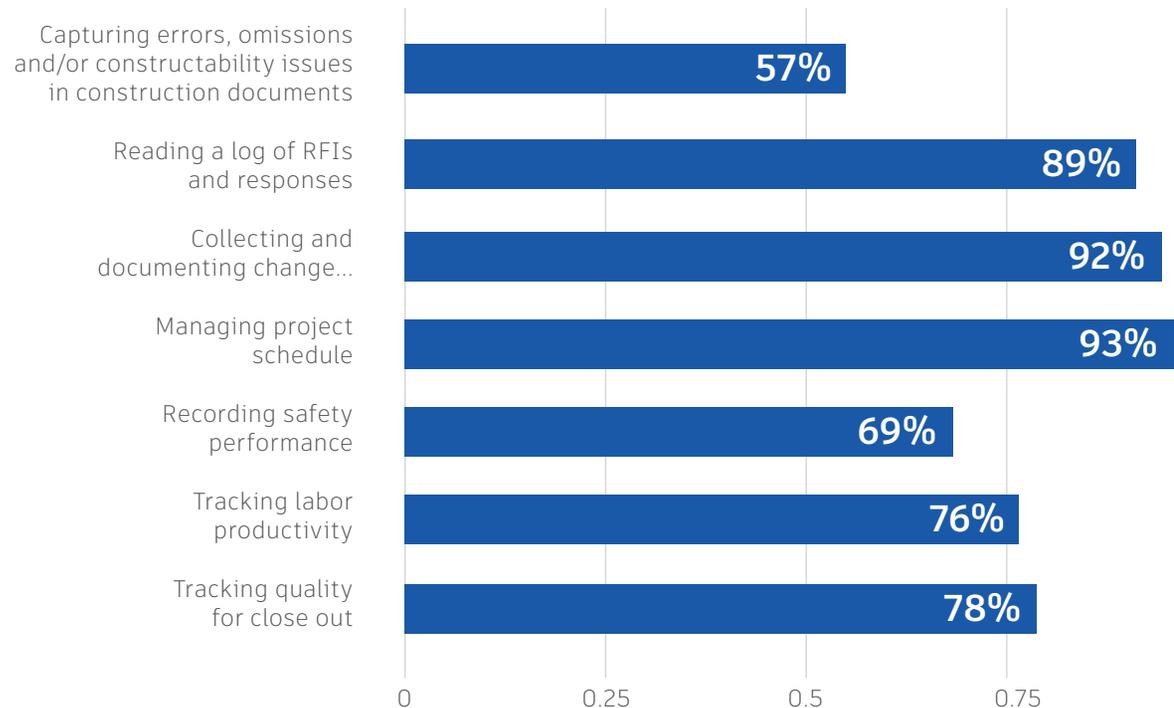
The report will also provide key takeaways for construction professionals to implement in order to create a more cohesive approach to data standards and processes.

## Section 1

# USING SOFTWARE TO TRACK KEY PROCESSES

With the rise of software geared toward tracking key processes in construction, the question becomes, how are contractors utilizing this software and how effective are they at tracking processes?

**Contractors Using Software for Seven Key Processes**





Starting with how software is being utilized, the results show that the majority of contractors, with a total average of 79%, are using software to track the following processes:

- Capturing errors, omissions and/or constructability issues discovered in the “bid set” of construction documents
- Creating a log of RFIs and responses
- Collecting and documenting change orders
- Managing project schedules
- Recording safety performance
- Tracking labor productivity

Overall, implementation is strong: almost 50% of contractors are using software on all their projects, and only 17% are using it on only a quarter or less of their projects.

Usage is especially frequent for RFIs, change orders, and schedule management. Also interesting to note is that trade contractors typically lag behind general contractors in their software use with one major exception – tracking labor productivity, where 83% report doing it compared with just 70% of general contractors.

This finding is in line with the fact that more employees working for general contractors are salaried, while more subcontractors are hourly employees, which makes tracking time against specific jobs a necessity.

“Data will validate rationale on decision-making, bidding, solicitations, safety, everything. It will provide a good litmus for our organization to make better, more meaningful decisions.”

– **Construction Industry Leader, United States**

## Opportunities

On the lower end of use, only around one-fourth of contractors are using software to capture errors, omissions, and/or constructability issues in construction documents on over 75% of their projects. Harnessing the power of capturing this data is an incredible opportunity for contractors seeking to have a competitive edge.

Similarly, although 69% of contractors report 'sometimes' using software to track safety performance, while only 37% of them are using software 75% of the time or more on their projects. Given the importance of analyzing safety in the construction industry to reduce incidents, this finding points to an area prime for adoption growth.

## Number of Software Tools Being Used

The majority of contractors are tracking key processes using technology. But are they mapping their data and processes across one tool set, or are they pairing multiple systems?

Among the contractors surveyed, more than half of contractors use one primary software tool for each of the seven activities.

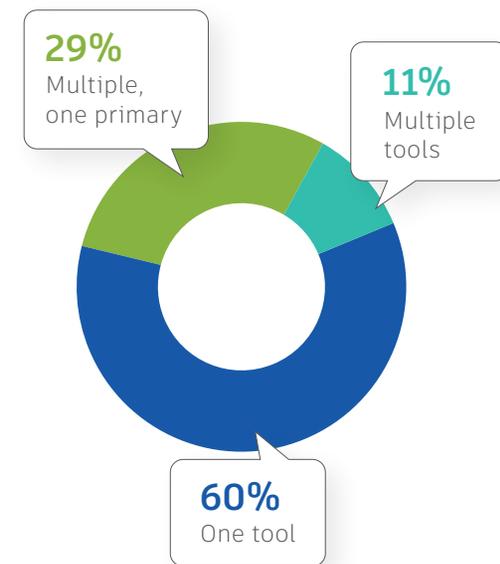
For the other 40% of contractors that report using multiple tools, about two-thirds only use two tools, and just 11% of them use four or more.

Regardless of the total number of tools contractors are using, 74% of all the multi-tool contractors stated that they end up relying on one primary tool to track key processes.

This demonstrates a meaningful trend. Increasingly, contractors are seeking out a single solution to streamline workflows and manage their data in a central location. This points to a future of connected construction, where all project data will reside in once place, creating a single source of truth. seeking to have a competitive edge.

Similarly, although 69% of contractors report 'sometimes' using software to track safety performance, while only 37% of them are using software 75% of the time or more on their projects. Given the importance of analyzing safety in the construction industry to reduce incidents, this finding points to an area prime for adoption growth.

## Average Number of Software Tools Being Used



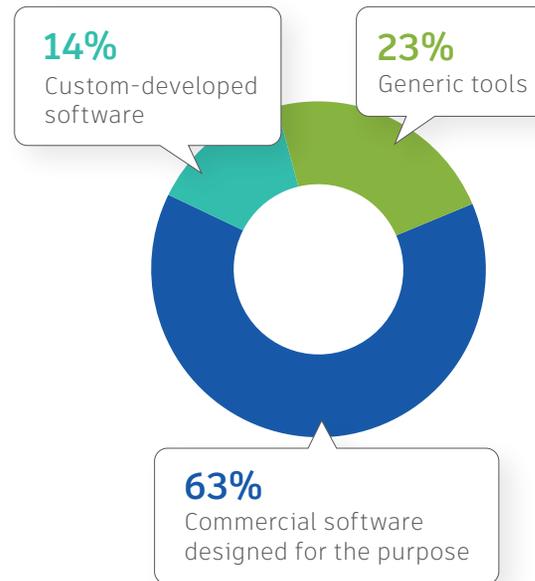


## Types of Software Tools Being Used

Most companies use a commercially available software tool for each of the seven processes surveyed. Among those, about half of the respondents report they are taking advantage of mobile capabilities, especially for safety and close-out.

For all the activities studied, the use of analog tools, such as spreadsheets and manual technological solutions, is more common among trade contractors. This is particularly true with schedule management, where 38% of trade contractors are using a generic tool compared with only 9% of general contractors. For those operating in the specialty trades, adoption of a single solution platform could be a key differentiator, leading to better efficiencies and an easier workflow for all parties.

## Average Types of Software Used



“Being able to get the mobile toolset, it became pretty easy to digitize a lot of our processes... It gave us that ability to integrate the data from those surveys and bring it back into and compare it against [key performance indicators] within our own dashboards.”

– Construction Industry Leader, United States

## Importance of Analytics Capability

When considering what tools to implement, over half of contractors say that how data generated from a technology will be used for analysis is either highly or very highly important when developing or choosing software.

“I think data is already ruling the world. The more data you have, the better decisions you can make. The people who are on the leading edge of this are going to get so far out ahead of people who aren’t using it. We’re trying to get ourselves in a position where we’re able to make the best decisions possible and hopefully get out in front of our competition enough that we’re not passed by somebody doing this better than we are.”

– **Construction Industry Leader, United States**





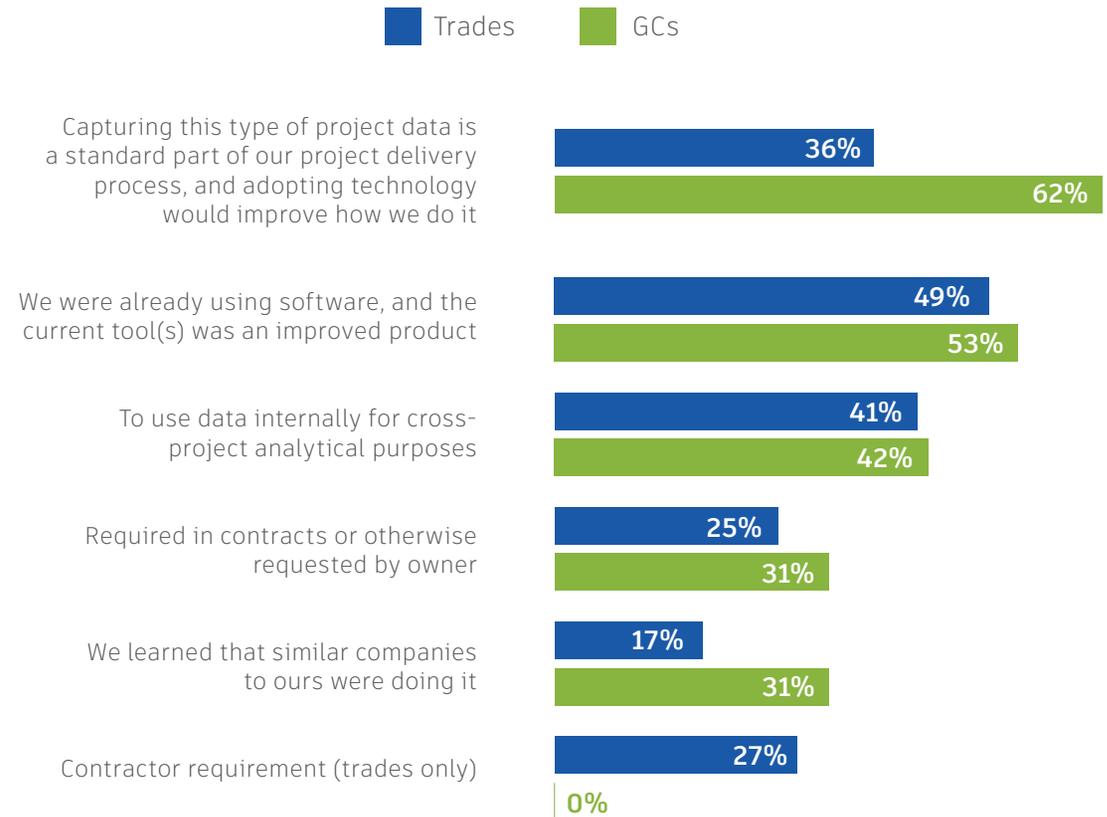
## Drivers for Adoption

Contractors were also asked to identify the three factors most influential in driving them to adopt.

Interestingly, the top three drivers are focused on process improvement rather than requirements. This suggests that most contractors were drawn to these tools rather than feeling as if the tools were forced upon them.

Many software decisions are still being made at the project level and are not linking up to a larger corporate technology strategy. The pitfall here is that this unlinks many technology solutions from where standards for capturing data and information are mandated. This is one reason why capturing data is difficult when the technology strategy is set at a project or practitioner level.

## Top Reasons Contractors Adopted the Primary Software Tool(s) They Currently Use



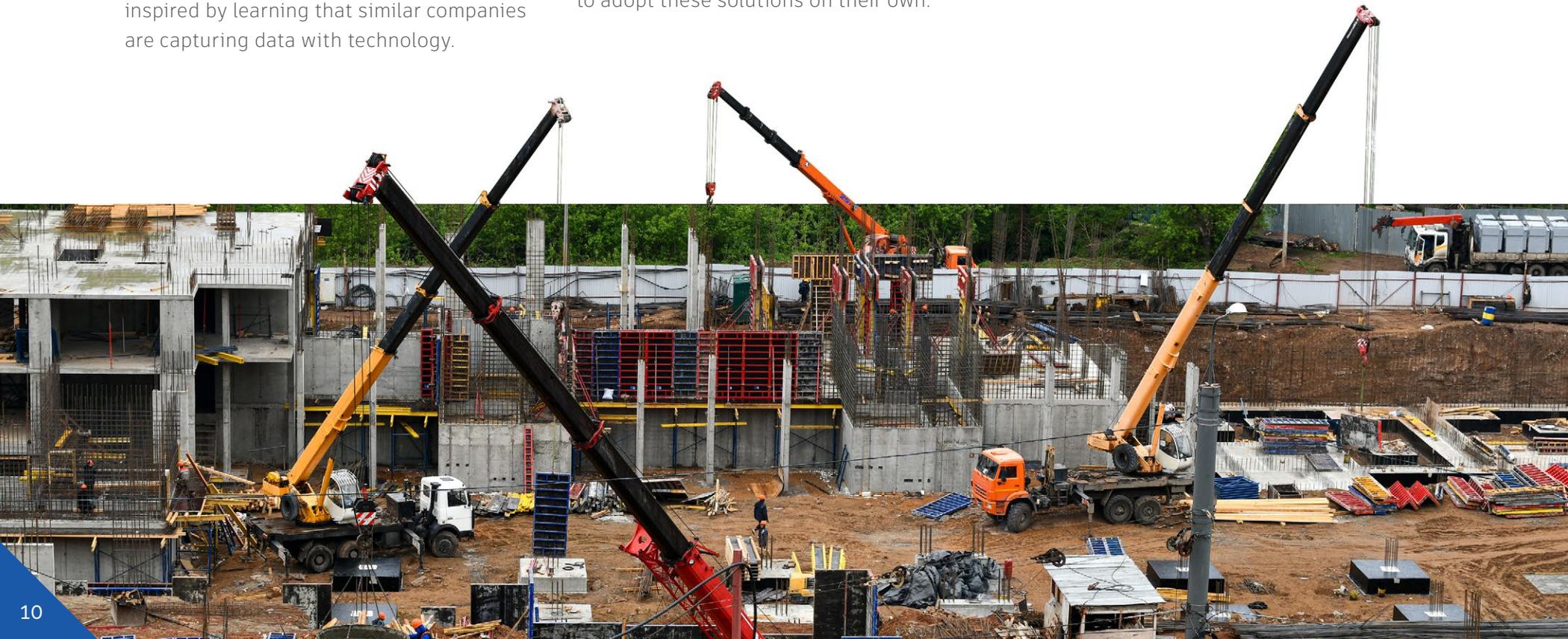
### An Old Process Reimagined

Interestingly, almost twice as many general contractors (62%) as trades (36%) say that capturing data was already part of their standard practice. They simply saw that using technology was a better way to do it. A positive longer-term benefit for the industry could be that more trade contractors will now institutionalize these data-driven processes.

Notably, more general contractors (31%) than trade contractors (17%) cite being inspired by learning that similar companies are capturing data with technology.

The reason for this may lie in the fact that, regarding software selection, it is usually the general contractor mandating the tool, while the subcontractor may often be along for the ride.

The result is that when projects conclude, the trade contractor typically loses access to that data. Subsequently, they are not able to take actionable insights from it as they move to their next project. When they don't have an opportunity to observe the value long-term, they may be less inclined to adopt these solutions on their own.





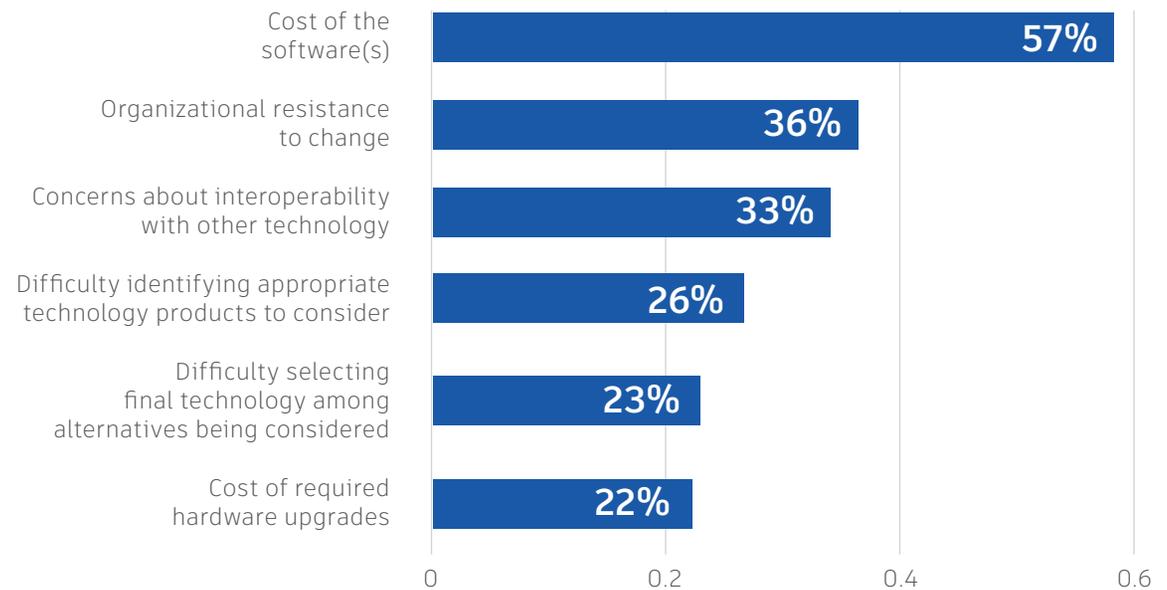
## Challenges to Adoption

Change is never simple, especially as it relates to technology in construction. To identify the challenges that they face in making decisions about using software, contractors were asked to select the three most troublesome obstacles in adopting the primary software tool(s) they are currently using.

Leading the way was the cost of the software. However, this bucket was much lower ranked as it relates to hardware upgrades. Seeing organizational resistance to change was the second most-ranked choice, which is unsurprising, given that the construction industry has historically been resistant to change. This identifies the need for construction professionals to present hard evidence of the tangible benefits of technology when asking for adoption.

Technology selection and interoperability rank about equally as hurdles, suggesting the need for independent evaluations and experienced guidance, perhaps from trusted industry associations or other objective sources.

## Top Adoption Challenges (for GCs and Trades)



“Culture within construction prevents technology adoption, but ... that barrier is disappearing. Millennials now represent 48% of our company, someone who knows how to use the new technology now [in contrast to] eight years ago.”

– Construction Industry Leader, United States

### Challenges to Implementation

Identifying the right software is just the first step. To determine the extent of challenges in implementing software across their projects, contractors were asked to select the three factors they found the most difficult to manage.

Developing consistent methods and standards is cited as the top challenge to effectively implementing software, followed closely by training and by modifying workflows to optimize the technology. This is an important acknowledgment of these interdependent activities, which together create the environment for success of an implementation initiative.

The recurring challenge of resistance to change is not far behind in being identified among the top three challenges. Again, if tangible benefits can be demonstrated, resistance should give way to engagement.

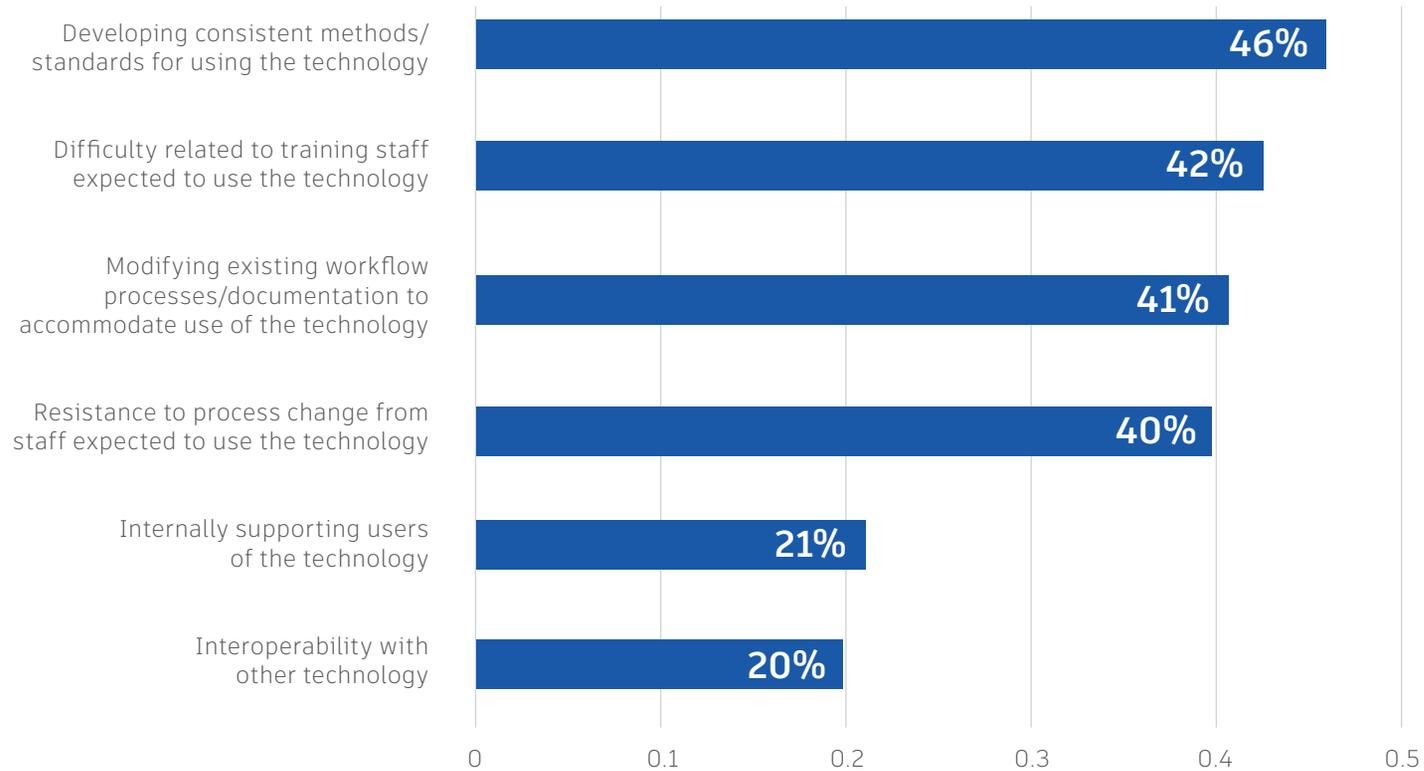
Proper support and interoperability round out the list. Both of these common challenges may be successfully managed with proper guidance from a technology partner, paired with robust training for your team when implementing new technologies and processes.

“We assemble a group of subject matter experts [and] get their input on how they’re doing something or how they think something should be done or their lessons learned. We use that information to put together a process that will then be communicated out to the company .... At some point, the person spearheading the new data standard will do some follow-up assessing [its success] ... That person will update the process or, maybe, finalize the documentation around it and roll it out company wide. So it’s a plan, track, improve process.”

– **Construction Industry Leader, United States**



### Top Implementation Challenges (for GCs and Trades)



## Section 2

# USING DATA STANDARDS

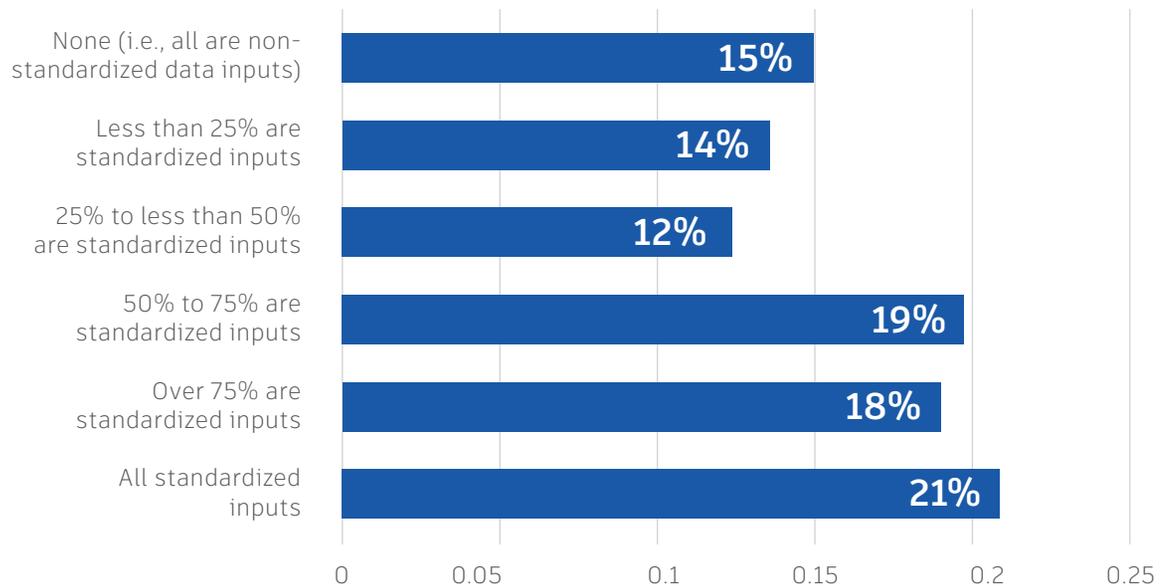
“The biggest challenge that we’re overcoming, and we’re working through it right now, is aggregation of all the different data sets and data models.”

– Construction Industry Leader, United States

### Percentage of Data Entered Using a Standard

Contractors reported that development of consistent methods and standards is the most challenging aspect of implementing software in their organizations. Therefore, those using software for each of the seven activities studied were asked what percentage of data is being entered using some type of standard process. The chart shows the averages across all seven activities.

Percentage of Data Entered Using Some Type of a Standardized Data Input





“We limit the number of selections that users have, and we don’t allow users to type in an answer. We want them to select from a list of options that we give them. We’ll create custom attributes, but only if there’s a reason for doing it. Usually that reason comes from reporting, when we need to get a certain bit of data so we can report on it.”

–Construction Industry Leader, United States

There is a relatively even distribution across the six ranges, spanning from 15% reporting that they have no standardized processes for capturing data to 21% saying all their inputs are standardized.

Most encouragingly, **58% are using standardized inputs on at least half of their projects.**

Although findings are similar across all seven activities studied, the following two had the highest usage of standardized inputs:

- Tracking safety performance
- Tracking labor productivity

Conversely, the following had the lowest usage levels of standardized inputs:

- Capturing errors
- Capturing omissions and/or constructability issues in construction documents
- Tracking quality for close-out (i.e., punch listing).

When Autodesk conducted research separate to this project focusing on requests for information or RFIs, our data scientists discovered that roughly 70% of RFIs stem from design and documentation errors and omissions.

Implementing a technology solution that promotes tracking design and documentation errors and omissions becomes key. A more robust design review creates an opportunity to identify and mitigate a majority of these problems early and prevent them from reaching the field.

### Impact of Standardized Inputs on Data Quality

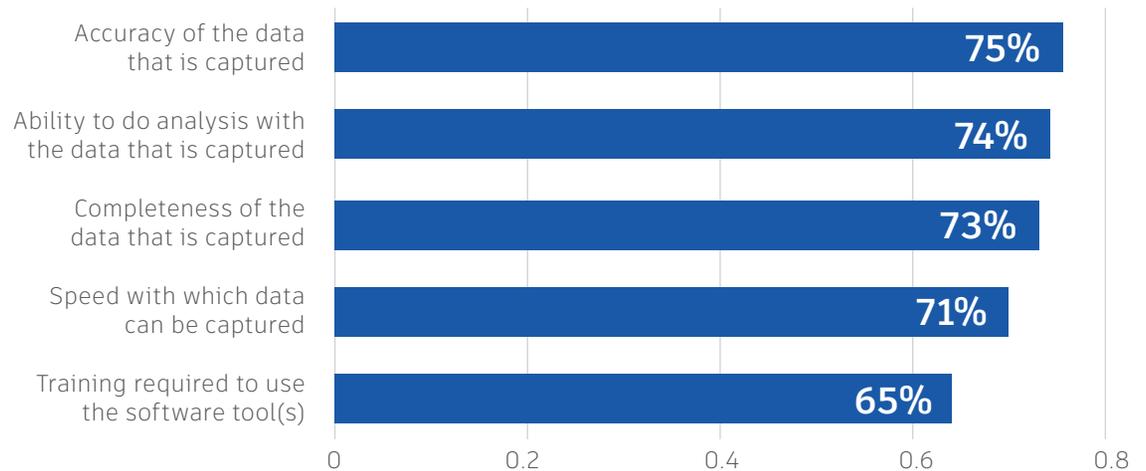
Effective analytics require the best possible data. To explore the benefits of standardized inputs on the quality of data collected, those using them were asked to rate the degree they are receiving each of the five benefits shown in the chart above.

The percentages reflect how many contractors rate the value as either high or very high on a five-point scale (none, low, medium, high, very high).

While all benefits score strongly, the top three are closely aligned because accuracy and completeness fundamentally support the ability to conduct useful analysis downstream.

Speeding up the capture is another high-scoring benefit that positively impacts field personnel and is also closely aligned with the benefit of improved ability to train those users.

Value of Standardized Inputs on Data Quality



“We try to be as grass roots as possible through the superintendents and foremen and then up into the project engineer, project manager ranks... We didn’t totally disregard the data that our team leaders needed for audits and things of that nature, [but it was] easier to treat those as secondary wins as we looked at the data needed to inform our field folks first and foremost. [We spent] time in project trailers in the field creating those relationships and got them to understand what data was and how we could potentially use it.”

– Construction Industry Leader, United States



“Our daily reports are all standardized. Our... checklists are all standardized... Our document management system is pretty standardized at this point.”

– Construction Industry Leader, United States

Contractors were also asked to rate both the level of positive impact of standardized inputs and the negative impact of non-standardized inputs on the quality of data they are receiving for analysis.

Two-thirds say that information captured using standardized data inputs in their technology tool(s) enables better quality analysis, with about a quarter of those strongly agreeing.

Forty-one percent agree that information captured using non-standardized data inputs in their technology tool(s) tends to be inconsistent, inaccurate and incomplete; that is, it is not useful for analysis. This proved to be especially true for general contractors, at 45%.

“We try to get data for analytics, so it’s very important that we standardize everything that we have.”

– Construction Industry Leader, United States

The results highlight that applying standards against how data is captured within any tool to ensure it is consistent from person to person, project to project, and across the entire organization is key. This involves intentional training, documented processes, and the use of a technological solution that improves consistency.



“You have to figure out what’s your output. Then we tried to connect in the most efficient way of getting the input for that.”

– **Construction Industry Leader, United States**

### Issues with Standardized Data Inputs

The art and science of developing effective data inputs within technology tools and workflows is still evolving.

Currently:

- 56% of contractors feel they have an insufficient ability to fully explain or capture data
- 47% of contractors cite a lack of clarity of captured data for later analysis
- 32% of contractors don’t adequately understand the options in standardized data inputs

These issues stem primarily from the growing use of pull-down menus, standard naming conventions, and other data input standardization needs.

Many of these pain points are likely to be resolved as more contractors use standardized data inputs.

Additionally, demonstrating to key stakeholders the impact that having good data can have on a project will unlock a new world of standardized data.

If everyone can see the value, they will be more willing to follow or create standards for capturing data.





“There is a demand... from the architects... contractors... and trade contractors saying, ‘We’re fed up with all this duplicate entry between our systems’... We’re going through this ‘three-steps-forward-two-steps-back’ challenge with how do we solve this interoperability dilemma? ...We don’t know what process or requirements we really want. We don’t know what to tell technology to solve. Even though technology has the capability, it’s more of a language barrier.”

– **Construction Industry Leader, United States**

### **Managing Non-Standardized Data Inputs**

Contractors were asked what processes they have in place to help manage the quality of data that is being captured with non-standardized inputs.

The majority at 62% say they rely on experienced staff to make complete data entries and use consistent terminology. This is concerning, as it is highly dependent on individuals and is difficult to scale effectively across an organization.

Only 17% of contractors say they have standardized terminology that enables consistency and accuracy in the capture of project information.

The remaining contractors surveyed say they simply let each person enter whatever they believe is accurate and complete. This, of course, opens the information up to problems of completeness, consistency, accuracy, and interpretation, and greatly hampers effective downstream analysis.

The construction industry is ripe for adopting a solution that ensures standardized data inputs, leading to the ability to use this data for improved analytics.

## Section 3

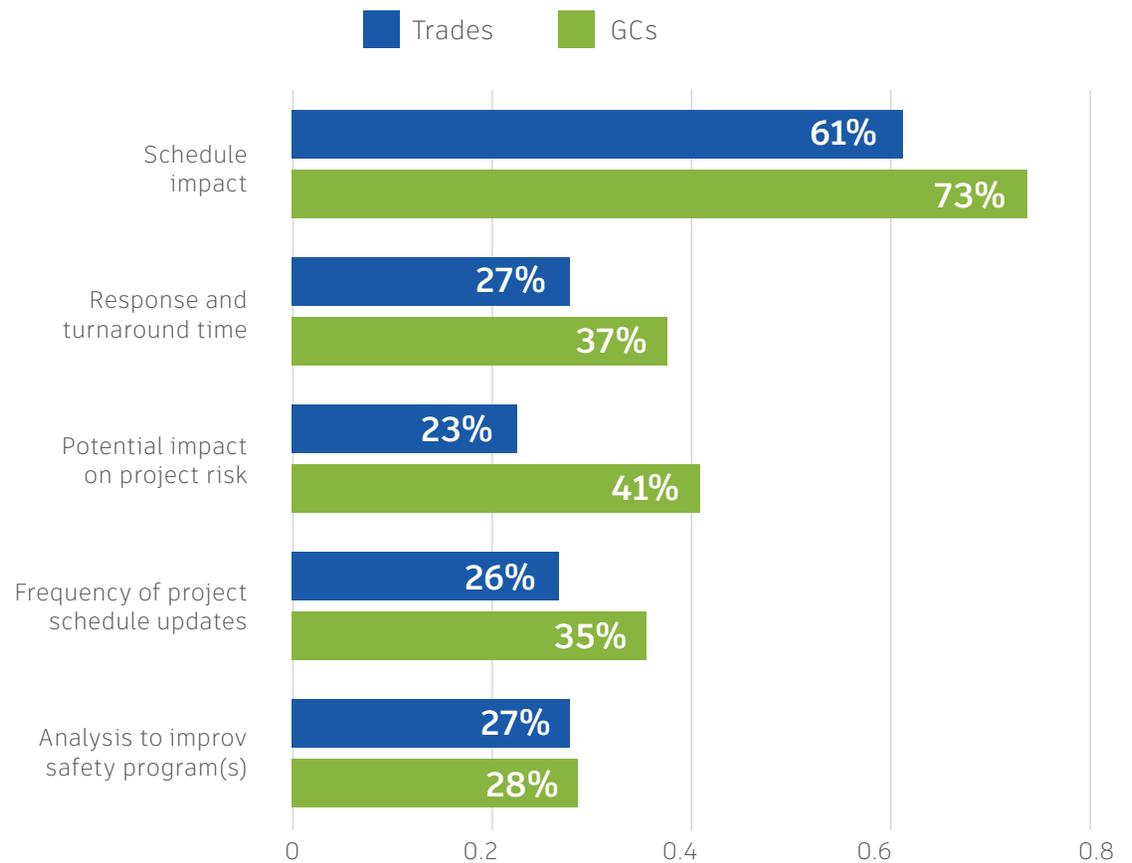
# DATA ANALYTICS

### Frequent Analytics Being Generated From Data

Data is only as good as the analysis that comes out of it. In this regard, contractors were asked what types of analytics they are performing on the information they are capturing with technology. The chart above shows the five most frequent analyses performed.

In each case, a higher percentage of general contractors than trade contractors report conducting these analytical processes. Due to the relative responsibilities on projects, this differentiation is logical.

Top Five Analytics Conducted From Data





## Root Cause Analysis

At the core of any data collected is the desire to identify underlying or systemic causes of project issues – a root cause analysis. This allows construction professionals to create better predictive planning and mitigation.

Contractors were asked if they use data to conduct any of seven types of root cause analysis:

- RFIs
- Quality issues
- Constructability issues
- Change orders
- Productivity problems
- Schedule issues
- Safety incidents

On average, only 23% of contractors report conducting root cause analysis related to these issues. The highest response, at 31%, comes from general contractors in regards to both safety and schedule issues. On the flip side, the least frequent are trades analyzing the root cause of RFIs at 15%, and quality issues at 12%.

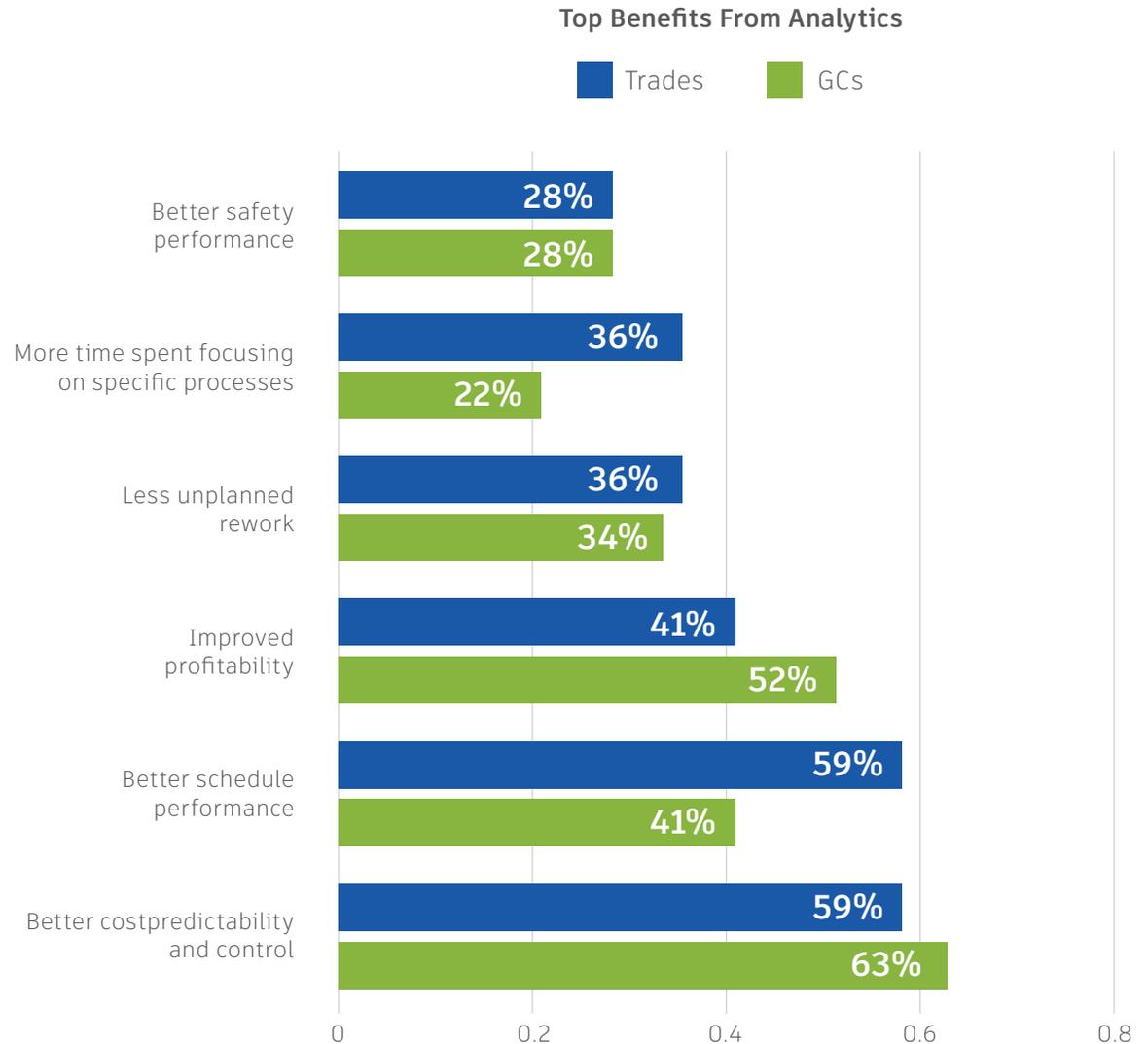
Although root cause analysis is critical, this finding is not surprising because of the more subjective nature of these types of analyses. Companies could benefit from at least developing standard terminology to apply across their data capture processes, so that some degree of consistent root cause analysis can be conducted.



### Beneficial Impacts of Analytics

From a list of eight possible benefits, contractors identified which ones their companies are receiving as a direct result of the analytics produced from data captured through the software tool(s) they use. The chart shows the top six benefits.

- Several of the benefits are related: For example, less unplanned rework certainly contributes to the top three improvements of cost control, schedule performance, and profitability.
- The benefit of a reduction in RFIs is cited by fewer than 20% of contractors, so it is not included among the top benefits in the chart. Since RFIs are often more related to the quality of construction documents, they will be more difficult to reduce by analysis. However, they can be more effectively handled through analyzing turnaround times and conducting risk-related evaluation based on past similar experiences.
- Fewer claims is the other benefit – currently garnering less than 20%, but its frequency can certainly be expected to increase as cost and schedule performance both improve.



“We’re able to track project status and team member workloads really well at a department level.”

– Construction Industry Leader, United States



Clearly companies are using and thinking about data in different ways. Some are using it to look at lagging indicators, such as tracking project status and team member workloads, looking at change orders after a project is complete, etc., and others are using data to look at more leading indicators, such as identifying potential trends, then trying to fix gaps in processes where needed.

“As the industry expanded after the 2013 recession... everybody was struggling with getting enough project engineers and project managers. Because of that, you might have project managers that are maybe not as experienced as they once were. That insight into that data started to help them fill in gaps in their experience ... I think we were able to elevate some of the mentoring that occurred within the company for our younger folks and give them better insight into what was happening on their projects, where in years past they might have had to experience failure a few times before they saw that data for what it was.”

– **Construction Industry Leader, United States**

“It’s giving the people who look across projects a broader sense of how all the projects are performing as one unit. Trying to identify potential trends—and potential negative trends especially—and then stop them before they become bigger.”

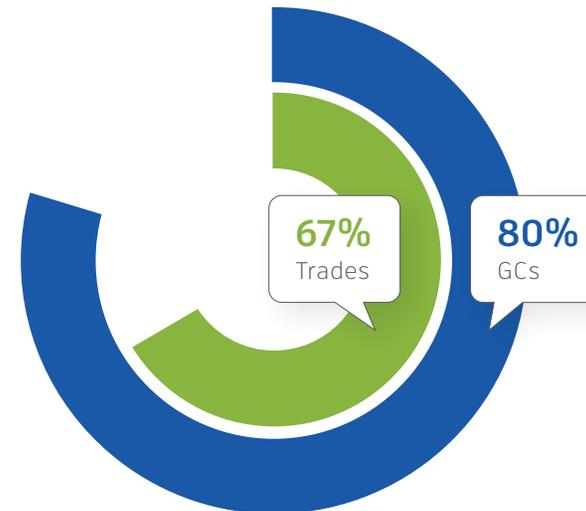
– **Construction Industry Leader, United States**

### Contractors' Future Plans for Data Analytics

Among survey participants, 80% of general contractors and 67% of trade contractors say they are planning to increase their use of data captured from software tools for analysis.

This bodes well for the continued development of standardized data inputs and an overall increase in the industry's willingness and ability to improve processes and outcomes through analysis of project data. This is in line with the 2021 trend toward digital transformation [becoming an increasingly standard pillar of all work](#)<sup>3</sup>.

### Contractors Planning to Increase the Amount of Analytics They Perform From Data Gathered in Software



“We are evolving with the times and with the tools available to us. There are still pockets that are in Excel spreadsheets. The vast majority of our information resides in a single technology. We continue to identify more things that we want to collect and how to make those more efficient through standards.”

– Construction Industry Leader, United States



## Section 4

# Key Findings

Distilling down these key findings, there are a few notable takeaways.

### **Using Software to Track Key Processes**

Software usage is widespread. Most contractors (79%) are currently using software for all seven of the key processes studied in this report.

Implementation is also strong across contractors' projects, with almost half saying they use software on every project. And about 90% either use a single software product for each activity or they primarily use one even if they sometimes use others.

Additionally, 77% of contractors are using software specifically designed for the construction industry rather than adapting generic technology. Among these, eight out of ten are using commercially available software rather than custom-developed tools.

Over half of contractors assign high priority to the ability to analyze data produced by software when evaluating products for adoption. In addition, over 40% say they chose their primary tool for its contribution to cross-project data analytics.

Thus, analyzing data produced by software is clearly a critical function for contractors. Reinforcing that conclusion is the finding that developing consistent methods and standards is cited as the top challenge that contractors face in effectively implementing software.

### Using Data Standards

Many contractors (58%) are using standardized data inputs at least half the time. Safety performance and labor productivity are the most frequent applications. Capturing errors, omissions, and/or constructability issues in construction documents and tracking quality for close-out (i.e., punch listing) are least frequent, most likely because they are the most subjective.

It is reasonable to expect that contractors who use standardized data input will experience benefits both to field staff and for downstream analysis because data is more reliably complete and accurate.

Most (67%) say that information captured using standardized data inputs in their technology tool(s) enables better quality analysis, and a large percentage (41%) say that information captured using non-standardized data inputs in their technology tool(s) tends to be inconsistent, inaccurate and incomplete; that is, it is not as useful for analysis as standardized data.

Objections to using standardized data inputs are mostly about a perception of limited ability to fully explain or capture data. Some contractors do not adequately understand the options in standardized data inputs. This has an impact downstream, where some cite lack of clarity of the data captured through standardized input for analysis.

Contractors' methods of dealing with the potential for inconsistency of unstructured data inputs largely focus on expecting that experienced staff will know what to input. Relatively few have put standard terminology in place so that a broader set of staff can effectively contribute to data capture.





## Analyzing Data

The most frequent analytical use for data captured through software is managing schedule impact at 67%. The four other uses, which are moderately frequent, include:

- Analysis to improve safety program
- Frequency of project schedule updates
- Potential impact on project risk
- Response and turnaround time

Very few contractors are currently using data to analyze root causes, probably because such analysis requires more subjective judgment by the individuals capturing the data. This could benefit from standardized terminology.

Over half of contractors cite both better cost predictability and control (61%) and better schedule performance (51%) as a result of using data captured through its software tools for analysis. Other important benefits reported by significant numbers of contractors include:

- Improved profitability (46%)
- Less unplanned rework (36%)
- More time spent focusing on specific processes (30%)
- Better safety performance (30%).

Looking ahead, a large majority of GCs (80%) and trades (67%) say they plan to increase the use of data captured from software tools for analysis.

“Having these platforms where better communication and collaboration can go on has really improved the way in which our relationships with our subcontractors play out, but also how the subcontractors collaborate with each other.”

– **Construction Industry Leader, United States**

## Section 5

# What Comes Next?

In summation, what is next for the construction industry in regard to the tools used to capture data and track processes? The above research provides a few key insights, pointing to a future of connected construction.

### **Room for Improvements in Safety**

First, there is room for a substantial improvement around safety and measuring performance in this critical area. Although 69% of contractors report using software to track safety performance some of the time, only 37% are using it on all their projects. Given the critical importance of analyzing safety in the construction industry to reduce incidents, this finding points to an area that most teams could benefit from. It is no secret that the construction industry as a whole considers safety on the jobsite to be paramount. For construction professionals who choose to implement the right safety tools and technology, this could be a key to mitigating this risk.

### **What's in It for Me? (WIIFM) = Necessity**

Next, in an industry known to be resistant to change, it is no surprise that one of the top hurdles for technology adoption is this lack of desire to change. This identifies the need for hard evidence around the tangible benefits of technology. A clearly defined WIIFM must be provided in order to push late adopters over the hurdle. In addition, product selection and interoperability rank about equally as hurdles, suggesting the need for independent evaluations and experienced guidance, perhaps from trusted industry associations or other objective sources.

“Another benefit is the trust created between us and the client.”

– Construction Industry Leader, United States



## Data-Driven Trust

Trust is a critical component of a successful construction business. This is true both internally and externally. The good news is that implementing the right technological solution can build data-driven trust between internal and external stakeholders.

Tracking processes and providing access to this data ensures transparency. Transparency is central to trust in construction, where, historically, projects have been shrouded in darkness due to siloed information and lack of real-time communication. Access to a steady flow of standardized, real-time data across functions leads to a team that trusts one another and in turn, clients that trust that team.

“Because we’ve standardized on a technology platform that we can report on, we can understand the issues at large that happen across our company. We can see patterns. We can see where we may need to shift personnel. We can see where we need to reassess what subcontractors we’re using. Because all of that data now lives in a way that we can learn from it.”

– Construction Industry Leader, United States

## Standardization Is Becoming Task Critical

While finding the right tool to gather data is helpful, construction professionals need to be standardizing how that data is captured. Not only that, but how they will leverage the data must be considered before building standardization practices.

Data for data’s sake is not useful. There must be a way to turn that data into actionable insights and leverage it when making decisions both during the project and after the fact.

## A Unified Solution

Finally, it is worth noting that regardless of the total number of tools a construction professional was using, teams ended up relying on one primary tool. This points toward the necessity of a single connected construction platform, rather than the use of siloed systems.

A single unified platform makes it easier to standardize data, to track key metrics, and to share this information across stakeholders. When it is no longer necessary to repeatedly input data into multiple systems, efficiency is enhanced. In addition, errors in data collection are reduced, creating a more robust data set ripe for analysis.

The construction industry is prime for data-rich change. However, in order for this change to be meaningful and lasting, the change must be driven by a true benefit for all parties involved. From subcontractors to designers to owners, everyone must benefit from using digital tools and technologies to collect and track a wide variety of project information.

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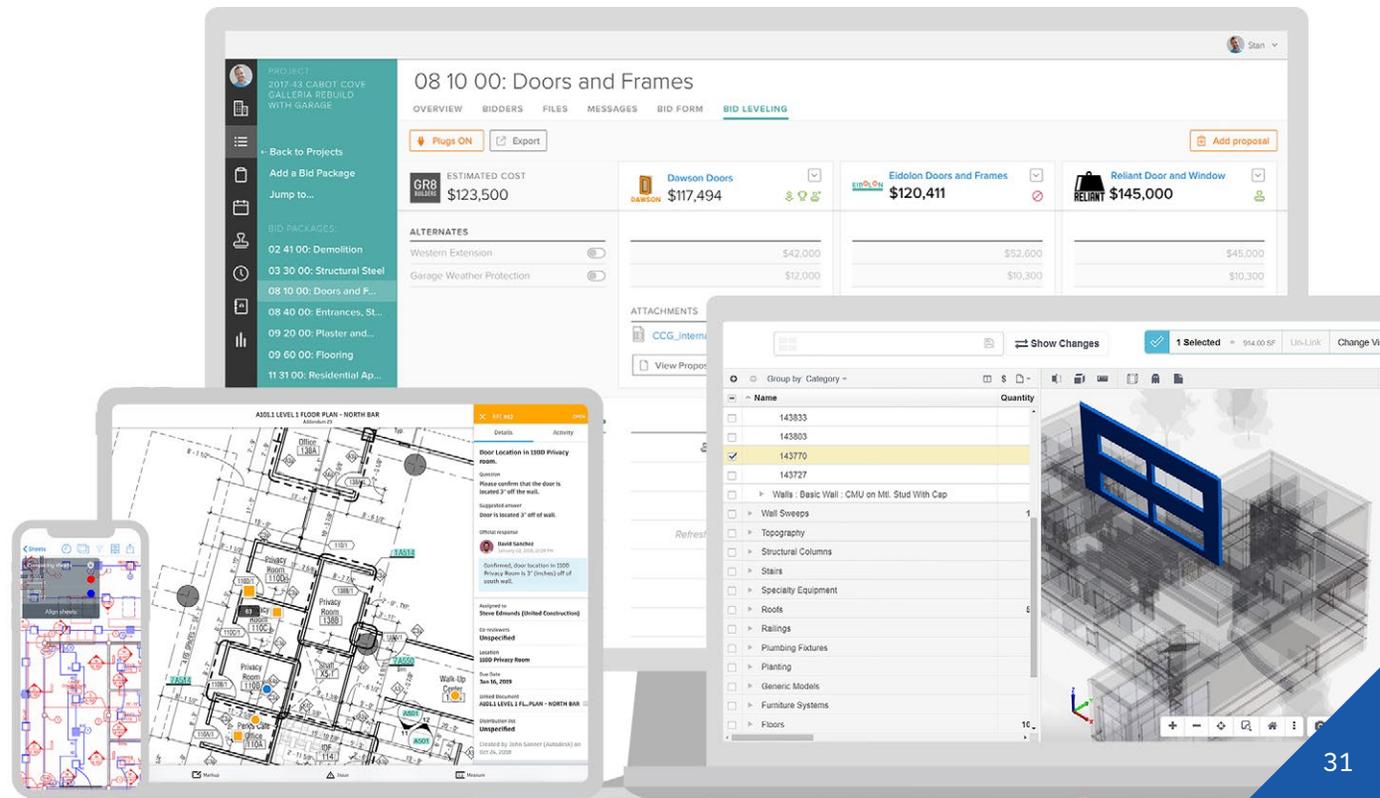
# See the Future of Connected Construction

[construction.autodesk.com](https://construction.autodesk.com)

Our industry requires solutions that connect their information, teams, and technology –breaking down data silos and disconnected processes that hinder true transformation. As we navigate the ever-present push to do more with less, we need to uncover new ways of working, enhance connected digital workflows, and incorporate advanced analytics. To support us on this journey of transformation, we must lean into tools that connect construction – from design to plan, build, handover, and operations.

Built on a unified platform and common data environment, Autodesk Construction Cloud is a powerful and complete portfolio of construction management products that empowers general contractors, specialty trades, designers and owners to drive better business outcomes. Autodesk Construction Cloud combines advanced technology, a unique builders network and predictive insights to connect teams, workflows and data across the entire building lifecycle.

While the industry experiences unprecedented transformation, our mission remains the same: to help construction teams meet the world's rapidly expanding building and infrastructure needs while making construction more predictable, safe, and sustainable. And we've remained steadfast in our promise to deliver the industry's most compelling solutions, connecting data, teams and workflows from the field. This is our commitment to connected construction.





With Autodesk software, you have the power to Make Anything. The future of making is here, bringing with it radical changes in the way things are designed, made, and used. It's disrupting every industry: architecture, engineering, and construction; manufacturing; and media and entertainment. With the right knowledge and tools, this disruption is your opportunity. Our software is used by everyone - from design professionals, engineers and architects to digital artists, students and hobbyists. We constantly explore new ways to integrate all dimensions of diversity across our employees, customers, partners, and communities. Our ultimate goal is to expand opportunities for anyone to imagine, design, and make a better world.

Connect with ACS



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