Measuring the
Impact of Scaffolding Technology

As businesses are constantly asked to deliver greater value more quickly and at lower cost than ever, professionals in every industry are realizing the importance of constant innovation and technology adoption. The scaffolding industry is [no exception](#). More and more scaffolding companies are deploying software on their path to digital transformation.

We've found that scaffolding companies that adopt technology [see improvements in several key areas](#), which also aligns with our return-on-investment (ROI) survey results.
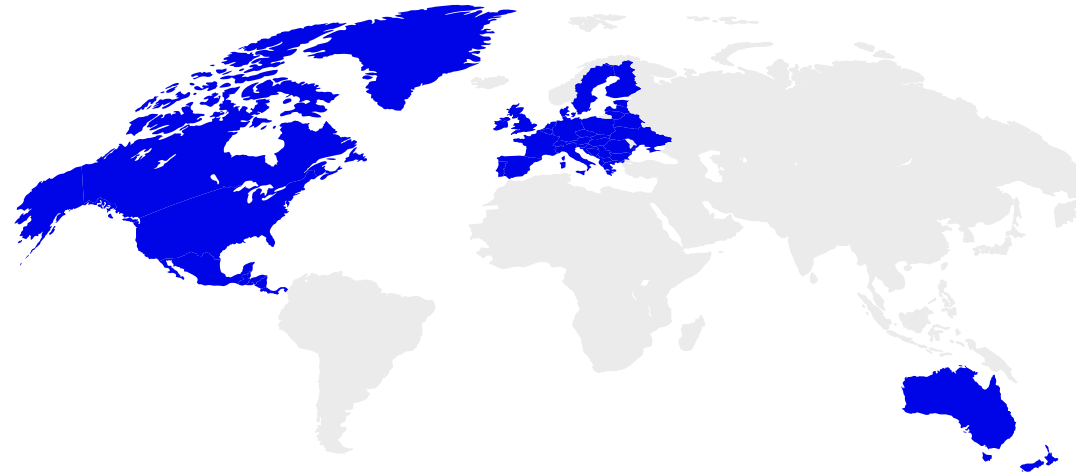
It is always challenging to ensure that any investment is a good one, and technology investments are no different. Not only do scaffolding company owners and managers need to determine if the software meets their needs, but they also need to know if their investment will ultimately pay off.

Scaffolding companies like yours may already be armed with the necessary tools and solutions, but are you truly optimizing them to your company's advantage? Making the most out of technology will not only set you apart from the competition, but also deliver positive ROI.

We recently asked [Avontus](#)® users about the improvements they've seen since adopting scaffolding solutions. In this report, we dive deep into the findings to reveal how scaffolding leaders are maximizing the ROI of the software - particularly Avontus Quantify® and Designer™ - and transforming their scaffolding businesses.

We surveyed 118 Avontus Software users from various sectors in scaffolding – including industrial, commercial, residential, infrastructure - in North America, New Zealand, Australia, and Europe to gain insights into their customer experiences.

We analyzed responses from users who have adopted both Avontus Designer and Avontus Quantify, as well as those who use either one. Some questions were replicated for all users while some were product-specific. Here is what our analysis found.

Key
Takeaways

01

Scaffolding companies experience smoother operations with technology.

Scaffold management software should allow for [frictionless collaboration](#) between the back office and on-site teams. As software replaces manual requests and estimates with a collaborative platform, everyone benefits from smoother workflows, reduced downtime, and improved safety.

Scaffold inventory management solutions like Quantify help scaffolding companies increase efficiency by automatically monitoring all the moving parts of the project, from inventory levels to invoicing and equipment tracking.

Design software like Designer helps companies boost overall productivity and decrease pricing turnaround time, since they can produce designs much quicker than pen and paper.

The results revealed that the vast majority of respondents are finding success in **improving communications, optimising processes, and improving inventory management** when adopting industry-specific software such as Quantify and Designer.

"Overall I am happy to use Quantify to track and manage multiple facets of our sites and it's an excellent tool to report our site-specific metrics."

Ashley Ash, Brock Enterprises LLC, USA

"There's a trail now, where there wasn't before. Quantify takes the guesswork out."
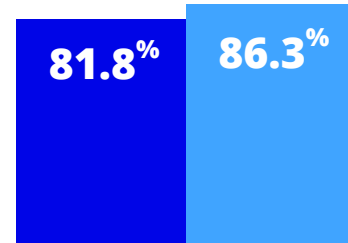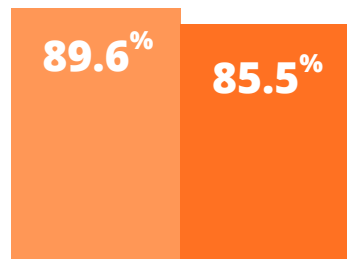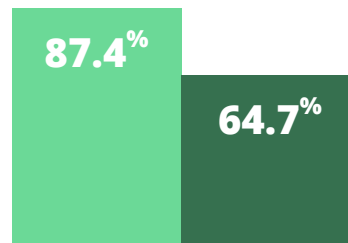
Doug Shearer, Alltask Ltd, United Kingdom

Case Study: Alltask Ltd

Communicating better

[Lack of communications](#) - both internal and external - often leads to misunderstandings and missed information, leading to costly rework and project delays.

Poor communication is a major factor for poor productivity and cost overruns in the construction industry. Inconsistent reporting often leads to a lack of common understanding of how a project should be executed or is progressing at any given time.

Across the board, whether they were using both Quantify and Designer or either one, most Avontus users agree that they find a significant improvement in their communications. This includes communications with engineers, vendors, partners, and customers, as well as internal and jobsite communications.

AVONTUS QUANTIFY®

87.4% **64.7%**

AVONTUS DESIGNER™

89.6% **85.5%**

AVONTUS QUANTIFY® + AVONTUS DESIGNER™

81.8% **86.3%**

said communications with **engineers, vendors, partners, and customers** have improved

said **internal and jobsite communications** have improved

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"Avontus Designer works very well and is very useful to our company on a regular basis. Our clients like that we can provide preliminary drawings that show great detail prior to starting the projects."

Joe Heimbecker,
THAT Group, Canada

"On fairly complex or unique projects, Designer helps us build more efficiently. It gives the foremen a good concept overall of how the equipment will go together."

Jeremy Trask, Director of Safety, Commercial Scaffolding Companies Inc, USA

Case study: CSI

Improving processes and saving cost

Cost overruns are a major problem for the construction industry. In fact, 98 percent of megaprojects suffer cost overruns of more than 30 percent.

Saving time and cost is another major priority for scaffolding companies, and they are often employing software to help them do so. Project delays can inflate the costs of all work that depends on the scaffold, so rapid, accurate delivery of access solutions is critical to reducing those overruns.

Having a digital record of materials needs and scaffolding activities facilitates the timely response to requests and efficient utilization of equipment, leading to cost and time savings. Plus, virtual handovers and digital designs eliminate unplanned modifications, safety issues, and other drivers of overruns.

The ROI survey found that close to half of the surveyed respondents agree that Quantify and Designer improve processes and reduce costly delays.

When we asked Avontus® users why they adopted the software in the first place, more than half of Quantify and Quantify + Designer users said they wanted to optimize their processes.

AVONTUS QUANTIFY®

68.8%
want to optimize processes

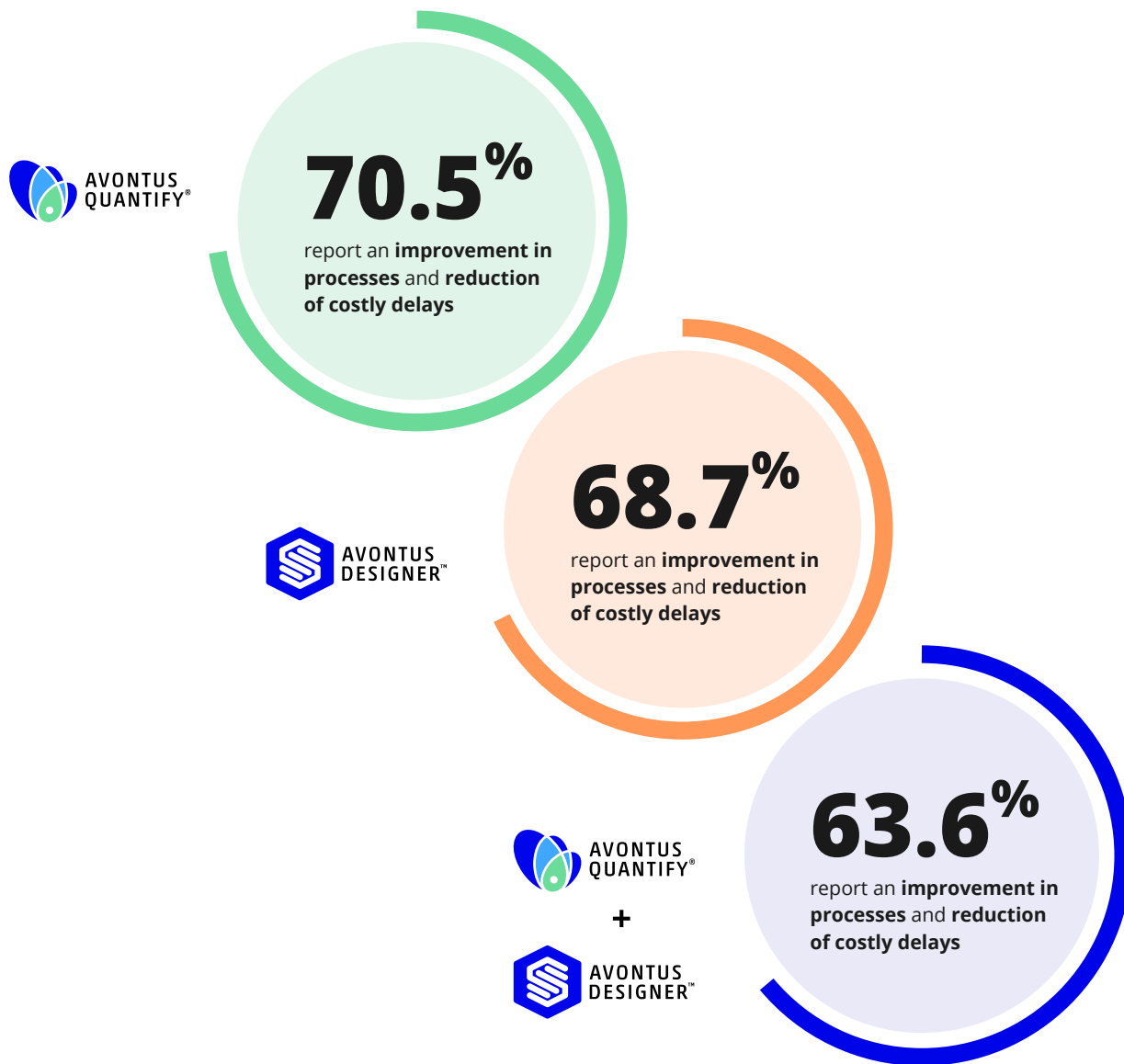**AVONTUS QUANTIFY®** + **AVONTUS DESIGNER™**

86.4%
want to optimize processes

Upon adoption of the software, the majority of users found that they've seen an improvement in processes, while reducing costly delays.

AVONTUS QUANTIFY®

70.5%

report an **improvement in processes** and **reduction of costly delays**

AVONTUS DESIGNER™

68.7%

report an **improvement in processes** and **reduction of costly delays**

AVONTUS QUANTIFY®

+

AVONTUS DESIGNER™

63.6%

report an **improvement in processes** and **reduction of costly delays**

"**Adopting Avontus software allowed us to streamline our processes, deliver a better quality overall product to our client, and win back several million dollars worth of work over the past two years.**"

Jason Nardiello,
APTIM, USA

"**It's a real step forward in the scaffolding community. Gone are the days of blocks of wood sitting on desks with sketches on them. Now the scaffolders can see real time what they are building without the need for costly onsite meetings. Thanks Team Avontus!**"
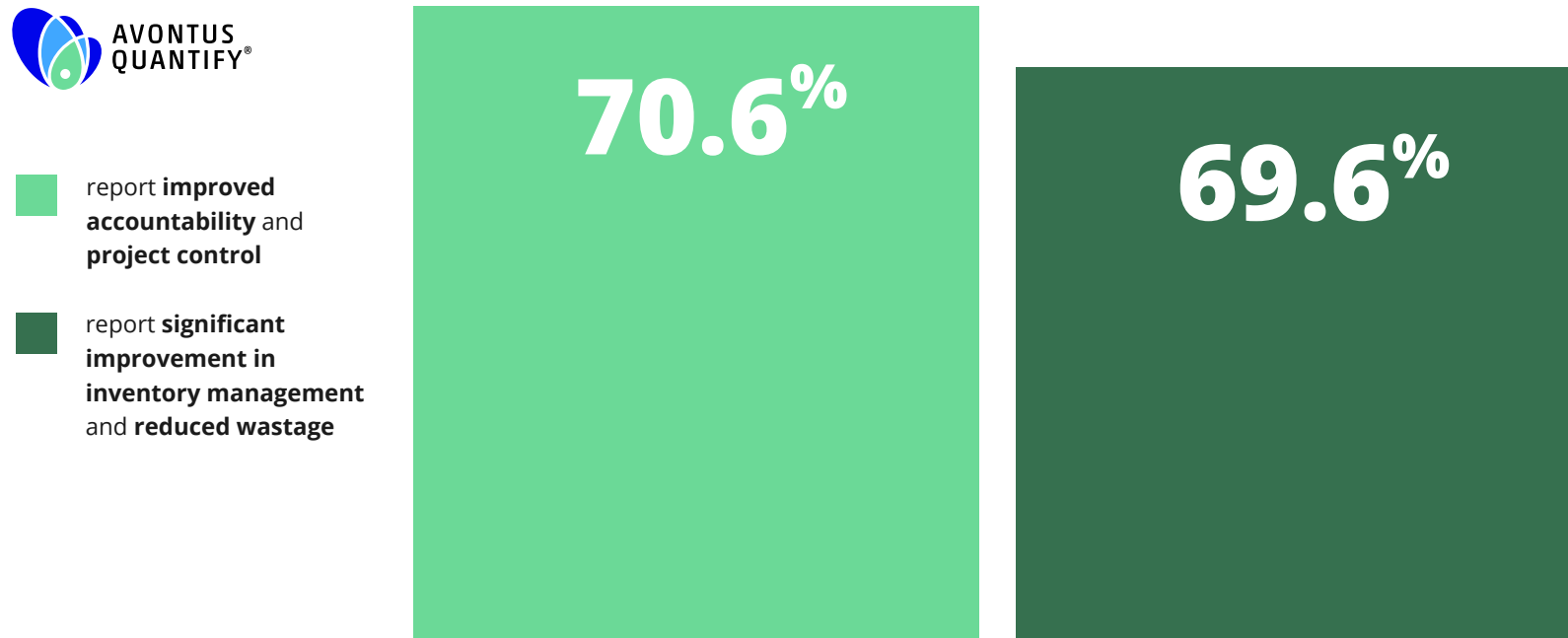
Donald Fah, Tana Group Ltd, New Zealand

Better project and inventory management

Another major problem in the construction industry is a lack of accountability and control over projects. This is unsurprising given the many moving parts of a large-scale construction project.

For the scaffolding industry, these issues can be avoided with industry-specific scaffolding solutions like Quantify and Designer. The survey showed that more than half of respondents believe that scaffolding solutions improve accountability and project control.

Plus, inventory management can be tedious when tracking is done manually. This is where technology plays a big role in keeping things organized. Software can also reduce wastage by managing re-rentals for scaffolding companies, which was previously time-consuming work when tracked on paper or Excel sheets (or not at all).

AVONTUS QUANTIFY®

report **improved accountability** and **project control**

70.6%

report **significant improvement in inventory management** and **reduced wastage**

69.6%

02

Quality of scaffolding services is improving with technology.

When it comes to quality of services, we found that approximately half of the surveyed respondents in all categories saw an improvement.

This is significant as having improved quality of services helps scaffolding companies become more competitive in the industry. Having higher service quality—such as providing better visualization through AR/VR capabilities attracts more clients and gives companies a better chance of winning bids.

AVONTUS QUANTIFY®

AVONTUS DESIGNER™

AVONTUS QUANTIFY® + AVONTUS DESIGNER™

53% said that quality of services have improved

89.6% said that quality of services have improved

81.8% said that quality of services have improved

"Designer is a very good tool for our Industry from Bids to design to communication with customers and field guys. It allows you to actually perform the project before you ever set foot on the job site."

Jason Martin, Direct Scaffold, USA

"Quantify has been very helpful to us by providing a means to create and track rental billings."

Lynn Sullivan, Carolina Form & Shoring Supply, USA

"I have been using Avontus for quite a few years now, and really like that I am able to put together bids faster than I ever have. In our industry, customers love seeing their product before purchasing."

Kirk Stevens, Niles Plant Services, USA

03
Scaffolding design software enables companies to be more agile.

Hand-drawn sketches are becoming a thing of the past, as more and more scaffolding companies see the benefits of 3D and automatic drawings. Requirements are confirmed and changes made more quickly and in advance of execution when the client has a clear and detailed visual of a scaffold design, reducing delays and unnecessary rework.

Successful contractors rely on design software to speed up the planning process. They can communicate the critical construction components with high precision for safe erection, ensure accurate material counting for competitive quotes, and reduce rework with better as-built drawings.

This is why specialized design software is rising in popularity, offering ease of use and more purpose-built features for scaffolding teams.

For those who use Designer, most respondents reported that the software gives them more versatility when it comes to scaffolding design.

AVONTUS DESIGNER™

75%
said Designer makes them more versatile with easier scaffolding design changes.

"We have been using Designer for many years now and we absolutely love it. Customer service is excellent and the product is amazing!"

Mike Westhaver,
Peak Scaffold Ltd, Canada

"With the help of Avontus Designer and Quantify, our people are spending less time counting gear from drawings and chasing reports. They can be out there in the field doing what they're best at more effectively."

James Bush, SMS Group Services, Australia

Case Study: SMS Group Services
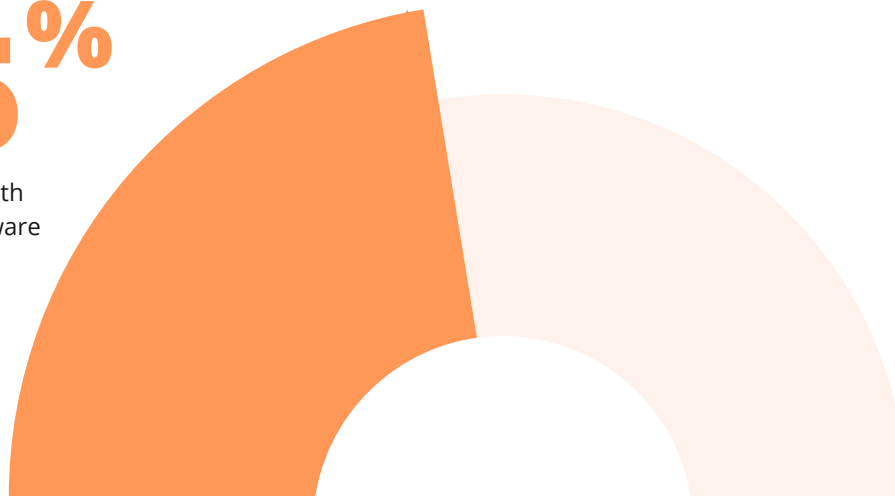
04
Safety is improving with scaffolding solutions.

Being overly reliant on pen and paper causes a disconnect between scaffold erectors and users, as crews don't have clear visibility into new requirements or other key considerations when changes happen. Plus, changes in scope may impact hazard awareness, fall-protection plans, and other critical safety aspects when they're done at the last minute. Without a readily adaptable, easily understood scaffold model, workers may miss these important updates.

This is why safety has become a priority for many scaffolding companies when employing new technologies such as design software with new and more detailed visualization capabilities.

AVONTUS DESIGNER™

43.5%

said it's easier to comply with safety standards with software

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"Overall our experience as a company is much better with Avontus Designer. Having these programs improves our speed, accuracy & communication throughout our company and even with clients."

Scott Drover,
Sancton Access, Canada

"Scaffold Designer covers us for safety reasons and cuts our engineering costs down."

Draftsman and estimator,
Total Access Ltd,
New Zealand

Case Study: Total Access Ltd

Taking steps in the right direction

The ROI survey results provide valuable insights into how scaffolding companies are making headway in adopting technology and finding success in solving some of their most challenging problems.

It's become clear that adopting specialized software positively impacts scaffolding businesses by improving processes, communication, safety, and project management, while reducing cost and time wastage.

Designs are also improving with more detail and better visualizations. In turn, scaffolding companies like yours are become more competitive and reliable in the industry -- improving your ability to win more work while executing it more profitably.

With proper training and support, scaffolding companies are well on their way to higher ROI by adopting industry-specific software. Many of our surveyed respondents highlighted the importance of customer service and support in deploying the software.

While it's still early days for many companies to fully achieve digital transformation, the results from our latest Avontus ROI survey shed light on the immense potential of industry-specific software. They also show that the reasons behind adopting software are aligned with the end goal of ultimately achieving digital transformation.

Scaffolding software is empowering businesses to solve age-old industry problems and improve profitability. For many, the next step is maximizing the potential of the software by expanding adoption and leveraging its full capabilities, supporting their ongoing success and competitive edge through continuous improvement.

Find out more about how Avontus scaffolding solutions can help you achieve success here.

"Our experience with your product has been great so far, I have personally dealt with your customer service and found them extremely obliging and helpful."

Victor Randalls, All Access Solutions, Australia

"Fantastic customer service. The few times we required, it was very fast and effective."

Neil Brousseau, J.Y. Moreau Electrique, Canada

"I don't feel that we have taken complete advantage of what your product can do for us. We will dig deeper into this next year."

Matt Sancton, Sancton Access Inc, Canada

Avontus®
SOFTWARE