EBOOK

How Site-to-Office Connectivity Transforms Construction Management

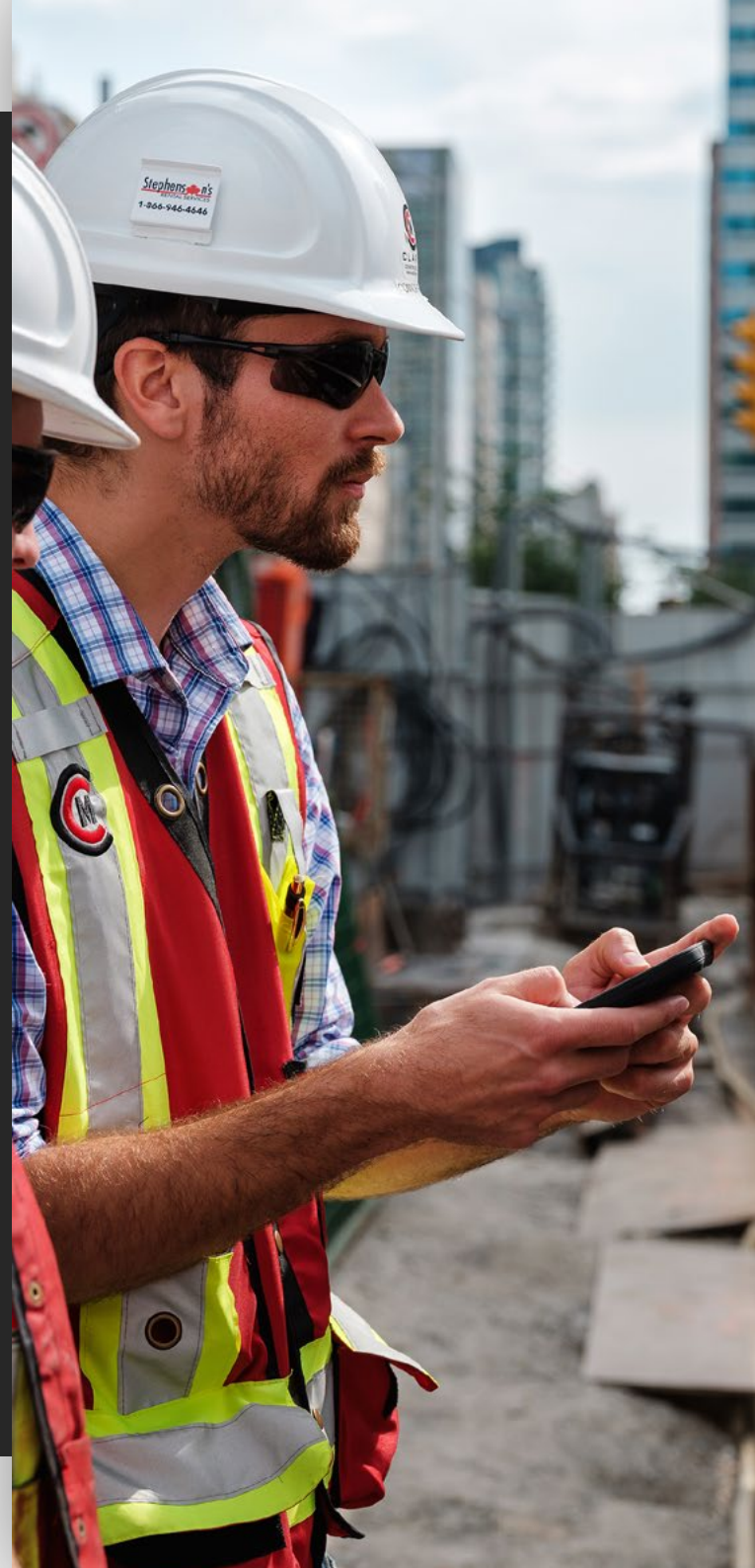**PROCORE®**

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Each year, about $10 trillion is spent on global construction-related goods and services.

This makes the construction industry one of the largest sectors of the world economy. Even more impressive, it employs about 7% of the world's working-age population. Despite this, the industry's global labour-productivity growth has been slow for decades. A recent McKinsey report found that if construction productivity were to catch up with that of the total economy, the sector's added value could rise by an estimated $1.6 trillion, boosting global GDP by 2%.

So what is causing this lag in construction labour-productivity, and what is preventing it from catching up to other industries? Experts suggest that a large part is due to suboptimal sharing of information between the construction site and the office. Project information that is delayed or not updated in real time—coupled with constantly evolving compliance regulations pertaining to accountability, health, and safety—easily create a productivity nightmare. As the industry moves away from manual paper processes, it is becoming more important than ever for companies to implement leading technology solutions to help improve this—ultimately saving both time and money.
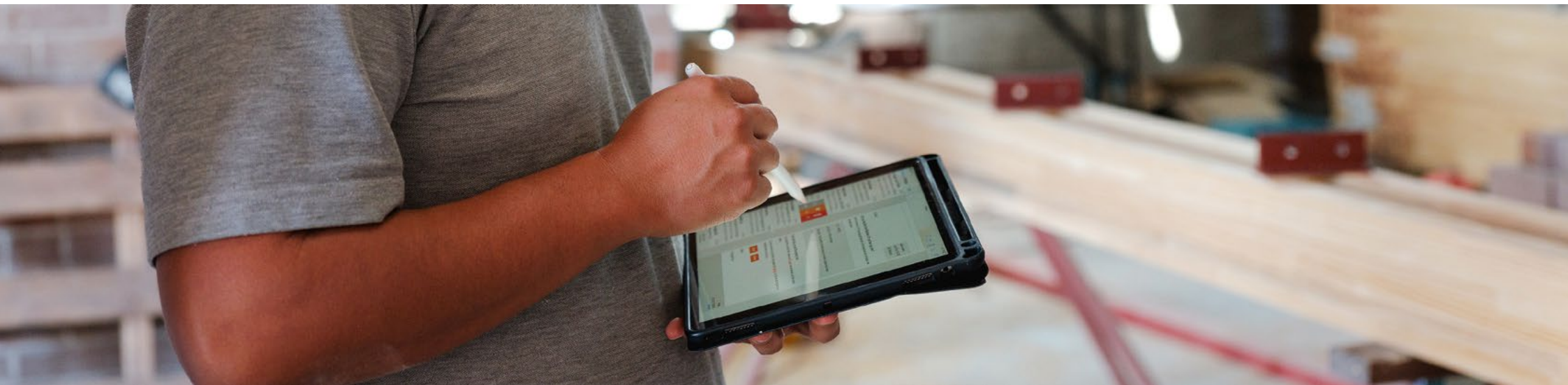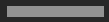
Where Has Productivity Gone?

In recent years, construction technology has made advances in areas such as mobile capability, robotics, AI, 3D printing, and even hand tools.

Many single-point solutions address individual issues such as document control, incident management, or financials, but this often results in disjointed systems and data silos. What's more, this approach not only hinders collaboration, but it also prevents companies from gaining a comprehensive picture of project health, thereby creating disparate information and making tools cumbersome to use.

In an effort to fill in the gaps left by these single-point solutions, companies are forced to implement additional software and workarounds. This usually involves a patchwork of internal servers, files, emails, and other programs that are not designed for the industry and lack the necessary structure or support to sustain a long-term solution. Consequently, employees use various manual methods to manage projects (depending on the program),

resulting in inconsistent data and lags in productivity. This often leads to:

+ Human error/manipulation

+ Loss of information or referencing documentation that is not up-to-date

+ Slow, manual administrative tasks, including managing paperwork and spending hours searching for information

+ Working longer hours to complete both onsite and offsite responsibilities including day-to-day field operations, data entry, and correcting mistakes

+ Fear of losing information, or a lack of confidence in the information available

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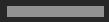
Bridging the Site-to-Office Gap

Over the past 20 years, labour productivity in construction has increased just 1%.

This is in stark contrast to other industries such as manufacturing which has grown 3.6% in the same time. Furthermore, the average worker in every other industry adds $37 worth of value for every hour worked. In contrast, the average construction worker only adds $25. This begs the question: how is it that other industries have managed to work smarter, not harder?

Yet despite these dire statistics, and with a potential $1.6 trillion that could be added to the global economy, the industry is presented with a unique opportunity. In order to boost its productivity, construction must follow suit of other industries and embrace new technology that will help energise and modernise the sector. By better connecting the site and the office, companies have the opportunity to dramatically improve workflows and streamline processes. The industry could greatly benefit from technology that consolidates information and integrates real-time data to help significantly increase visibility and collaboration—and ultimately, productivity.

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Boosting Productivity with One Software Solution

Experts suggest that in the coming years, huge growth is anticipated for the construction sector in Australia and New Zealand.

This means that the demand for construction technology is at an all-time high, and with companies under pressure to complete projects more efficiently, businesses are calling for technology that is both simple to use and scalable. What's more, such technology needs to offer robust mobile capabilities and be easily accessible.

Just as important is the implementation of solutions that work "for-purpose". This results in more of a "platform" type of technology that suits the many functions across a construction project's lifecycle - from project management to HSEQ to financials and more. An openly integrated technology with greater flexibility and better connectivity between the site and the office.

With centralised data, standardised processes, and streamlined workflows, all-in-one solutions lead to enhanced communication and greater consistency between project teams and clients. As a result, projects progress more efficiently, morale skyrockets, and most importantly, productivity dramatically improves.
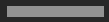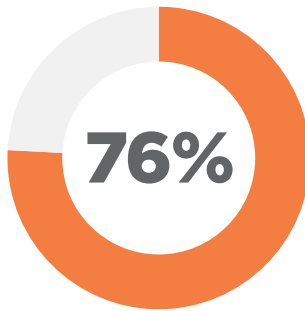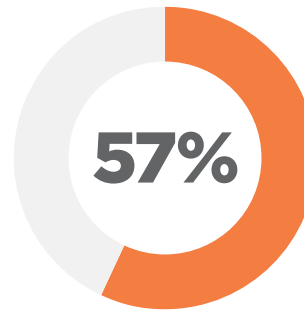
Quick Points

Procore gives you your time back and a good night's sleep.

76%

of users say that Procore reduces project duration by **at least 3 days**
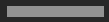
57%

say Procore reduces project duration by **an entire week** on a six month project

2HR

Procore users reduce **administrative work** on average by **two hours**

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Want to Learn More?

Watch our recent webinar replay, 'How Site-to-Office Connectivity Transforms Construction Management', to learn more about boosting site-to-office connectivity.

You will hear from Tom Karemacher, Vice President of APAC at Procore, in this interactive customer roundtable to:

+ Hear how project managers can use technology to enhance communication in construction management

+ Discover how site-to-office connectivity transforms the entire construction project lifecycle

+ Learn first-hand from onsite teams how Procore has driven efficient connectivity across construction sites

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