Digitizing construction processes
The construction industry is at a crossroads. The sector has the potential to unlock unprecedented levels of productivity and efficiency through digital transformation, yet its uptake remains slow.

Digitization has become increasingly important in today’s competitive market environment for businesses within the construction industry who want to stay ahead of the curve and remain competitive against larger competitors with deeper pockets or more established networks than their own. Companies within this sector can reduce costs associated with traditional manual labor tasks while increasing productivity and efficiency across all aspects of their operations through digitization.

To fully realize this transformation, companies must embrace new technologies that can drive operational efficiencies while also addressing the labor shortage problem in the industry. By leveraging these advancements, construction companies can reduce costs, improve safety and deliver projects more quickly — all while realizing greater profitability from their investments in digitization.

According to McKinsey’s Digitization report, if construction companies invest in digitization while also continuing to embrace new materials and advanced automation, they are likely to see a 50-60 percent increase in their overall productivity. This paper will explore both the promise and challenges of embracing digitalization in the construction industry so that companies can make informed decisions about investments in digitization.
Time management is critical for successful project completion but often overlooked in the construction industry due to a lack of resources or proper planning strategies. Managing projects within the construction industry is an incredibly complex and challenging endeavor, due to its inherently large scope. Effective project time management requires considerable planning and strategy before beginning, in order to determine all of the necessary components and tasks that must be completed to reach the desired outcome. Additionally, staying on track with timeline goals is essential for successful project completion within the construction industry, not only due to tight deadlines, but because there are many potential workflows that must be taken into consideration. It can be difficult to anticipate any unexpected issues or delays that may arise during a construction project, but good organization and time management skills can minimize the negative impact of these unforeseen hindrances. Ultimately, taking control of project time management is absolutely necessary for achieving success throughout any level of construction.

Labor Shortages

Labor shortages are a major problem for many industries today but especially for those within the construction sector - where skilled labor is often difficult to find at short notice. Labor productivity is paramount to the success of projects. Although the demand for workers has increased, there still isn't enough qualified labor available to meet this need. This shortage can have serious implications, including delaying projects and driving up the cost of labor. Since construction companies rely on skilled workers to staff their jobsites and complete the projects they are responsible for, it is essential that they identify ways to acquire more workers or look into other solutions such as automation.
Benefits of Digitization

Subcontractor onboarding and management

In the construction industry, digitizing the onboarding and management of subcontractors can bring a number of benefits. By digitizing onboarding, contractors can reliably track compliance while saving both time and money that would have been spent on laborious paper gathering. It can streamline the whole process, making it easier to track timesheets, project milestones, and other details relating to subcontracted workers.

Furthermore, digitizing this process makes managing multiple subcontractors easier, increases accountability among subcontractors, and reduces paperwork - both saving time on administration and reducing costs associated with manual record-keeping. Additionally, by having an easily accessible log of project documentation it becomes much simpler for contractors to satisfy any audit requirements quickly and accurately - again resulting in cost savings. In addition to task automation, digital onboarding offers document reliability, as all records are available securely online and easily accessible. By taking advantage of digital solutions for onboarding and managing subcontractor activity, construction companies will be able to experience efficiency gains and expense savings across their organization as well as benefit from greater oversight over all aspects of subcontractor-related activities.
**Permit and Design Review**

Digitizing the design review and permit planning process in the construction industry makes workflow dramatically more efficient, saving money and streamlining timelines. Digital interaction workspaces dramatically reduce the need for physical meetings and provide easy access to documents and design plans from anywhere; project teams benefit from improved communication and can easily share progress updates with all stakeholders. Electronic sign-offs and design reviews also speed up the process. By digitizing this part of the design-build process, it is easier to improve consistency across multiple locations.

**Client Communication**

Client communication is an important part of any successful construction project, and there are certain best practices that anyone in the industry should be aware of. It's crucial to build a strong foundation of communication from the start so there are no surprises or misunderstandings throughout the process. That means keeping in regular contact with clients and staying on top of notifications and building commission responses. Being detailed-oriented in all conversations and keeping clients updated at every stage of construction ensures that the project is done according to the client's expectations. A good practice for any construction company is to document all projects clearly, ensuring that all guidelines and safety protocols are met without fail. When it comes to client communication, scrupulous attention to detail and transparency can pay off big dividends in both labor costs and customer satisfaction.
Project Management

By streamlining interactions between customers and vendors, the entire project process becomes more efficient and straightforward. Companies can easily access documents and records without having to search through physical storage units as well, making it much easier to stay in line with every detail throughout a project’s duration. Further, project milestone tracking helps streamline things further by providing an automated process that tracks each step of a job, ensuring tasks are getting completed on time.
Conclusion

The construction industry continues to evolve as new technologies become available that enable businesses to streamline their operations while improving accuracy at the same time. Digitization has been a game changer in this regard; it not only reduces manual paperwork but also increases visibility into projects so businesses can track progress more easily while providing better insights into ways they can improve efficiency over time.

Moxo's external project workspaces bring structure to construction projects by blending automation with human engagement. With its easy-to-use interface, customers and subcontractors are able to access project details quickly without having to sift through piles of paperwork or search through emails or other documents. Moxo's integrated interaction capabilities make it easy for contractors and customers alike to communicate with each other in real-time about projects and tasks needed for completion. Finally, Moxo helps keep all stakeholders organized by allowing everyone involved in the project—from architects and engineers to contractors—to organize documents and milestones in a single centralized location that is accessible anytime, anywhere. Users can access project details quickly without having to sort through paperwork or emails while keeping everyone in the loop.

Digitizing your construction processes has several distinct advantages, including reducing manual paperwork and streamlining workflows across the full project lifecycle, from vendor onboarding to architectural planning. Blending human interaction with automation allows you to focus on higher-value activities such as customer engagement and execution.

Finally, streamlining your operations can allow you to increase visibility into your projects—from budgeting and scheduling to tracking progress—and provides better insights into ways to improve efficiency over time.