



How Mobile Technology Is Changing The Construction Industry

Accelerated Business Growth Using Advanced
Construction Management



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Introduction

Over the years, the construction world has gone through a massive change. Especially, the introduction of mobile technology and software solutions has shown a massive impact on the construction industry leading the contractors and construction firms towards better opportunities.

Either it comes to communication, project management practices, or field productivity goals, cloud-based construction management software and mobile technology have transformed the entire environment. Mobile tech has not only delivered a forward-thinking capacity to the contractors but has shown extensive business benefits to the companies in the form of improved cash flow and better profit margins.

But what exactly called for taking software technology and mobile solutions to the industry?

It was primarily the introduction of technologies like Cloud, Email, and Mobile Solutions. Let us dig into more detail before we begin with identifying the impression of technology in construction.

The Cloud

The concept of cloud data-enabled network-based computing in the 1960s. However, the idea of using cloud computing technology in business started in 2006 allowing users to access documents anywhere and on any device through shared storage. Cloud technology has grown so much that cloud computing's global market is estimated to have a compound annual growth of 14.9% reaching \$ 765.6 billion from 2020 to 2027.

Email Technology

Every single day, around 300 billion emails circulate the world. Made available on the internet in 1991, email technology has transformed the entire communication process. However, using email technology in construction needs effective planning of mailing lists since it is crucial to prevent any unwanted flow of information to a particular team on-field or inside the office.



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Mobile Technology

The first-ever smartphone was made in 1992 with limited features like access to little information, calendar, and messaging options. However, the true smartphone concept gets to live with the first-ever iPhone launch in 2007 giving way to touch screen technology and faster data access through 3G, 4G, and 5G network technology. All of this had a huge impact on the construction industry, especially the introduction of better data speeds completely changed the way things were done in the construction business allowing improved project control and better access management.

Higher Data Speed & Construction

When we talk about construction today, around 92 percent of the workers at the site use their smartphones to get the everyday work done. In other words, mobile technology has made the construction firms experience a transition that needs no manual efforts and paperwork leading to higher productivity and precision.

Now if we jump back on the time when 1G was the only network source available with construction workers using analog systems with a data speed of around 2.4kb per second. However, the situation improved with the introduction of 3G technology in the 2000s and 4G in the year 2009 offering 10x more speed than 3G systems. At present, the contractors have access to advanced technology like 5G which is 100x faster in terms of traffic capacity and network performance.

Thus, taking this technology into construction along with the present-day construction accounting and project management technology has made contractors have a competitive advantage with exposure to endless opportunities.

Overall, it is crucial for construction firms, contractors, and subcontractors to understand that mobile technology is not going anywhere, and adopting the right construction software has become a mandate for business success.



Adopting The Technology In Construction

Though the construction industry has always stayed to be slow in adopting technology and software solutions, the belief is partially true in reality. Especially, after all the downtime, contractors faced during the COVID-19 pandemic, the limited access to information sharing has pushed the industry towards advanced construction management solutions.

With the added ease of access to data and rapid sharing options, all the field teams and project managers have developed the ease of access with information and project data control. Moreover, it has opened the doors for affordable construction providing greater accuracy with the project lifecycle goals.

But most construction enthusiasts would still have a question that how mobile technology is changing the construction industry? The answer could be easily found in the way modern construction sites are working. Whether it is making entry at the job site for the productivity hours or sharing change orders and review plans with the teams, mobile technology has enabled project managers, site supervisors, contractors, and project owners to always stay in sync. Moreover, they save on time, contractors get to achieve with the mobile solutions has made the construction industry understand the significance of the integrated construction software technology offering a mobile advantage.

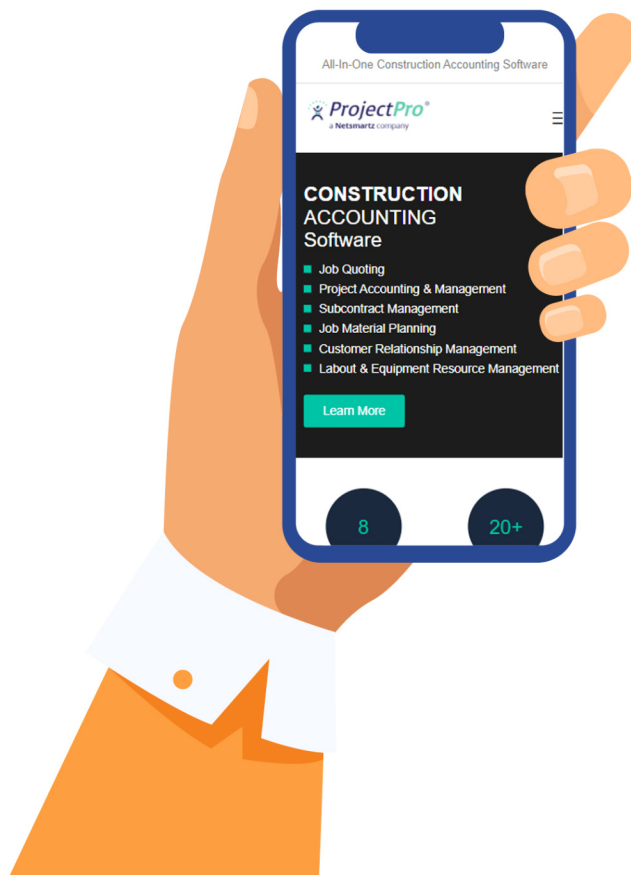
ProjectPro As A Mobile Solution

Originally designed as a construction accounting software, ProjectPro offers dynamic integration capabilities simplifying all the tasks on a construction site. It offers extensive accounting and finance capabilities made to improve the expense management with the project.

Either it is business development through bids and estimation, or anything related to project management, field management, financial features, ProjectPro is designed to deliver peace of mind to the users.

Made for the experts, ProjectPro allows contractors to avoid any waste of resources at the site allowing resource planning and CRM capabilities that can help with seamless management of the projects.

ProjectPro is a perfect tool for those who need access to progress reports, construction documents, and other data through a mobile device, simplifying the task of field management. Moreover, the ease of tracking employee time, progress reporting, planning, and collaboration features delivers the best of workflow benefits through mobile access.



ProjectPro is a cloud-based Construction Accounting Software Solution integrated with Microsoft Dynamics 365 Business Central. It is designed to help construction companies manage tasks and requirements related to Project Accounting, Resource Management, and Project Management.

Streamlining business processes for construction firms, real estate developers, and contractors, ProjectPro can be used to work on integrating data, transaction processing, and robust reporting. Moreover, features like Cloud and Power BI help construction companies for improved Business Decision Making.

Some of the other features include Project Management, AIA Contract Billing with Retention, Advanced Job Labor, Change Order Tracking, and Material Planning. Moreover, ProjectPro includes Subcontract Management, RFQs, TimeSheets, and keeps users updated with real-time Notifications and Alerts. It also comes with a dedicated mobile technician app that can help with field service operations.


At ProjectPro, we help construction companies with customized software solutions to make their construction business sustain and grow in this digitally growing world. We help you turn your vision into a value with promising services and a pleasant customer experience.

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Take Care! Stay Safe!