

Overcome Construction Labor Shortages with Technology

Associated General Contractors of America reports almost 80% of construction companies can't find qualified skilled workers, yet the industry is expected to grow 69% by 2030.

The United States is one of the many places in the world facing the lowest rate of skilled workers in construction in the last ten plus years. In fact, an Associated General Contractors of America survey reported that almost 80% of construction companies can't find the qualified skilled workers they need. Labor shortages come as demand for construction continues to grow. The US construction spend in 2018 was \$1.6T and is expected to grow 69% to \$2.7T by 2030. To fill the gap, construction companies are turning to technology to overcome the labor shortage.

The Impact of Labor Shortage

Top Benefits That Encourage Contractors to Invest in Advanced Technologies



The construction industry's growth is stunted by the lack of skilled labor. Companies are challenged to complete projects on time and at budget but often lack the necessary crews. Project timelines are delayed, and contractors lose out on winning more jobs because they can't complete the work. This results in increased project and labor costs as companies compete for the same workers.

Today, more than ever, contractors must find ways to become more efficient. Many are turning to advanced technologies in their construction projects. The [USG corporation + US Chamber of Commerce Commercial construction index](#) reports two-thirds of contractors expect more change in this paper-based industry over the next 5 years than in the last 50 years combined and 74% of contractors plan to use advanced technology in the next three years.

Saving time with Mobile Technology

It is no secret that when project managers can accurately plan and adjust schedules passed on real-time project status, they can easily save time and turn that time into increased productivity.

Mobile technology helps projects stay on track by reporting to management what has been completed daily. This knowledge allows them to adjust schedules and meet project deadlines without needing to spend time on the job site or rely on outdated or inaccurate information. Data on labor productivity ensure trades and workers can perform the work they are contracted to do, resulting in an increase in production time.

1

Save Time: No conversion of data or having to rely on illegible or missing forms.

2

Enhances Workflow: Automatically share real-time data with the right people.

3

Open Communication & Accountability: Provide immediate status updates to project management and/or systems.

4

Accurate Reporting: Finally, data you can trust from the field.

Technology Helps Overcome the Labor Shortage

There are many reasons why contractors want to adopt smart technology for projects and the biggest is the need to combat the effects of the labor shortage. Smart tech makes job sites more efficient and streamlines project schedules.

Just how does utilizing smart mobile technologies enable contractors to efficiently utilize labor by streamlining processes on the job site? Mobile technology allows for improved communication between all the project stakeholders. Improved communication leads to more efficiency. More efficiency results in fewer change orders, effective scheduling and streamlined processes. All of these facilitate companies to significantly increase labor productivity.

"ICT Tracker allows us the ability to track a project in real time with accurate data. It is a game changer for general and sub-contractors! We are able to take this data and figure out where our bottle necks are and help develop better processes to make us more efficient and increase profits!"

*Don De Guzman
Silicon Valley Mechanical*

Innovative Construction Technology (ICT) is an Augmented Reality (AR) Mobile construction technology company. We provide solutions that automate manual workflows for project status reporting in the construction industry. The easy to use [ICT Tracker](#) tool is used by general and subcontractors to capture, using an iPad and ICT's AR technology, the actual progress of work against the Building Information Model (BIM) plan. By digitizing traditional paper reporting processes, ICT Tracker automates and accelerates the reporting of project status to enhance response time as project implementation challenges that arise. Overall, it provides construction management with efficiencies to enable them to more effectively manage labor execution on construction projects.

