

INTRODUCTION /

Construction productivity has been flat for decades. Despite being one of the largest industries in the world, its productivity record is lagging behind other industries, growing at just 1% compared with 2.8% for the total world economy and 3.6% for manufacturing. In fact, according to research from McKinsey Global, output from workers is much the same now as it was 20 years ago!

In an economy reliant on the built environment, construction is central to improving the nation's productivity. So, what's holding it back? Some of the major challenges facing the construction industry are controlling costs, meeting compliance, e.g. Health and Safety, and managing your workforce to make sure you have enough people with the right skills to get the job done. In an industry with an increasingly challenging shortage of skilled labour, it's even more important to make sure your people are as productive as possible in order to meet the productivity challenge.

Inefficiencies in processes, unplanned costs and an unproductive workforce are extremely common in the construction sector, with more than 90% of the world's infrastructure projects either late or over-budget.¹

HOW YOU'RE KILLING PRODUCTIVITY IN YOUR CONSTRUCTION BUSINESS



30% of construction sites say they waste time looking for tools and equipment



70% of companies report having at least one failed project in the last year



On average, **6** assets are lost every month on construction sites, potentially adding upto a loss of £7,000 a year to your business



Fewer than 1/3 of all projects are completed on time and on budget

Sound Familiar?

The good news is, there are ways to reduce these challenges and even eliminate these hidden costs.

In this guide, we look into the easy changes you can make to your business to improve productivity.

USING MODERN EQUIPMENT



Increase workforce productivity with modern equipment. As with technology, power tools are constantly evolving with new features that increase safety, user comfort and productivity.

The selection of the appropriate construction to suffer downtime due to unreliable tools. equipment and tools often affects the required amount of time and effort to complete a project Last but not least, smart tools offer performance and thus, the job-site productivity of a project.

and easier on the body, including vibration reducing technology and mechanisms to stop dangerous kick-back with rotary tools.

Using new ergonomic design allows users to ease-up on the grip and use equipment in a safer and more effective way.

New technology on the market is now bringing us tools that have unparalleled speed, comfort, reliability and now even connectivity compared to those manufactured only 10 years ago.

- Have your workers ever needed a tool repaire because they worked it too hard?
- Have you ever wasted time trying to work out answers to questions such as whose tool is this, who used it last or is it still in warranty?

Investing in modern equipment, or even better, a partner who can guarantee you the latest tools, means that your business will never have

reports that can have a significant impact on your jobsite productivity. These reports and the Tools are revamped to make them lighter, safer data within, help you and your teams to make more informed business decisions. hey also trigger automatic notifications sent to the right people in your company when immediate action is required to help avoid loss of productivity.

How do you ensure your team is using the right tools

UNDERSTANDING THE REAL COSTS OF YOUR TOOL PARK



Have you ever thought about how much your tools are really costing you? Identifying inefficiency is the first step towards reducing hidden costs.

processes of your business you can understand address them. the hidden issues and develop solutions to eliminate them. This will allow you to complete You may find that you: your projects faster, at a lower cost. To calculate the total cost of ownership, you'll first need to identify the direct and indirect costs.

Next, to understand the full cost of your tool • park it's important to consider all factors and processes that can add to the bottom line of • the costs of the tools.

As well as looking at the up-front cost of purchase, you could factor in further direct • costs such as for repairs, battery replacements and rental tools but also indirect costs such as process costs that are tool park related such From this analysis, you'll be in a better situation as time spend to organize replacement tools or time wasted waiting for batteries from different improve. For example, you may want to think platforms to charge, to just name a few. Also Health & Safety hazards are a crucial element to investigate.

While this may seem like a time-consuming task, exploring some of the hidden costs lurking in your tool park will help you calculate how much this is costing you over the lifetime of

By bringing transparency into the everyday your tools and more importantly how you can

- Have unsafe or damaged tools that increase the risk of work-related accidents
- Are working without appropriate dust control
- solutions, increasing the risk of illness
- Have issues with tool tracking (such as
- inaccurate spreadsheets)
- Have lost or stolen tools
- · Have many spare tools or infrequently used tools (most likely purchased last minute to replace missing or broken tools)
- Spend 30-60 minutes a day on the jobsite for cable pulling

to identify the areas in your business you can about introducing new technology to remove inaccurate spreadsheets or switch from corded to cordless tools to improve safety and increase productive time on site.

Read why construction companies are no longer using Excel spreadsheets.

Direct costs

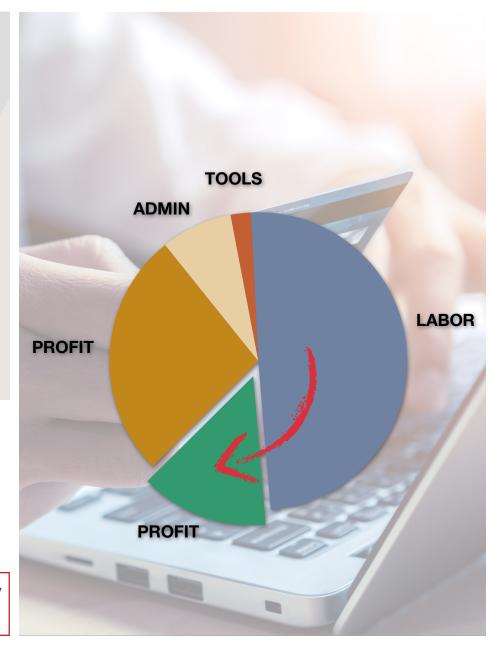
- Purchase price
- Repair costs
- Theft
- Replacing tools and batteries
- Rentals

Indirect costs

- Job site breakdowns
- Deliveries/logistics
- Purchasing process
- Administrative tasks
- Health and safety

At Hilti, we have experts ready to carry out this analysis for you to identify any inefficiencies in your business as part of our **Productivity Consultation service.**

Learn more about our Productivity Consultation service >



MANAGING SAFETY AND RISK



The construction sector is set to continue to grow into next year, so it can be a highly rewarding skills shortage, it's important to have a plan in place to help mitigate these challenges to your industry to work in, however, there are key risks that need to be managed. Whether you're business - all of which can have a big impact on your overall productivity. considering practical issues such as health, safety or theft, or broader risks such as the growing

In addition to the obvious impact on the injured worker, a poor health and safety record has consequences on several other levels: productivity, statutory regulations and reputational damage to the company.

Issues such as the absence of the injured worker, interruptions in production processes, re-organisation and/or renewal of work, replacement of damaged material/equipment, loss of orders/clients, administrative effort around accident case analysis, recruitment and Therefore, it's advisable to have a clear Health additional pay for temporary staff, increased insurance premiums, can all have a negative impact on your company's productivity and financial performance.

On top of all that, there are often intangible consequences of poor Health & Safety that affect injured workers, work colleagues and ultimately the company overall. For the victim, there's the personal impact of the injury but the incident can also have a negative impact on their colleagues such as distress, job dissatisfaction and worry, especially in case of frequent health and safety issues.

For the company involved, these cumulative issues can have a negative impact on reputation and hamper a productive and focussed working culture or environment.

& Safety risk Management plan in place and to work with your teams and suppliers to seek opportunities to minimise risk to as low as reasonably possible.

At Hilti, our purpose – to passionately create enthusiastic customers and build a better future - reflects our corporate strategy and is focused onsustainable value creation through leadership and differentiation.

This credo not only runs through our products, the environment (HSE) at Hilti and it reflects the great responsibility we feel towards our



Speak to one of our experts about how we can support you to improve Health and Safety onsite

services and operations, but also extends to the importance we place on health, safety and In addition to this, it's important to have a clear

employees, customers, partners and suppliers, society and the environment.

The construction industry is particularly vulnerable to theft because projects are usually carried out in remote locations with untested personnel milling around on site.

92% OF RESPONDENTS IN THE CONSTRUCTION INDUSTRY HAVE EXPERIENCED THEFT. WITH AS MANY AS 21% CLAIMING THAT THEFT IS A WEEKLY PROBLEM IN THE BUSINESS.

To reduce the risk of theft there are lots of sensible things you can do such as adding extra locks on vans, make sure you take your tools out of the van each night, and parking your van in secure parking.

record of all equipment and materials owned by short supply. One of the main reasons for this is your business and increase transparency in the due to the rising age profile of the construction handling of tools and machinery to help bring a workforce as many highly qualified construction sense of accountability for equipment amongst workers are retiring. your teams.

tools at the end of each day - and you can lock them up in a site container or in their vans.

Asset management software or asset tracking. To improve the skills of your already existing is a great solution to reduce the risk of theft workforce, it's important to first have a clear since, with the use of tagging and cloud-based picture of your overall situation, for example software, each item in your business can be what type of training and health and safety assigned to a location and a responsible person. This encourages workers to take more care of their tools, leading to fewer lost or stolen items. Asset management software can help you keep

But what happens if theft does occur? Are you covered if tools or equipment, crucial to completing a project on time, go missing? How much will this impact your downtime? How much money will be wasted replacing tools and how much admin time will you spend sourcing the right equipment and getting quotes?

If these questions resonate, it could be time to consider a solution which offers some support or cover in the case of theft.

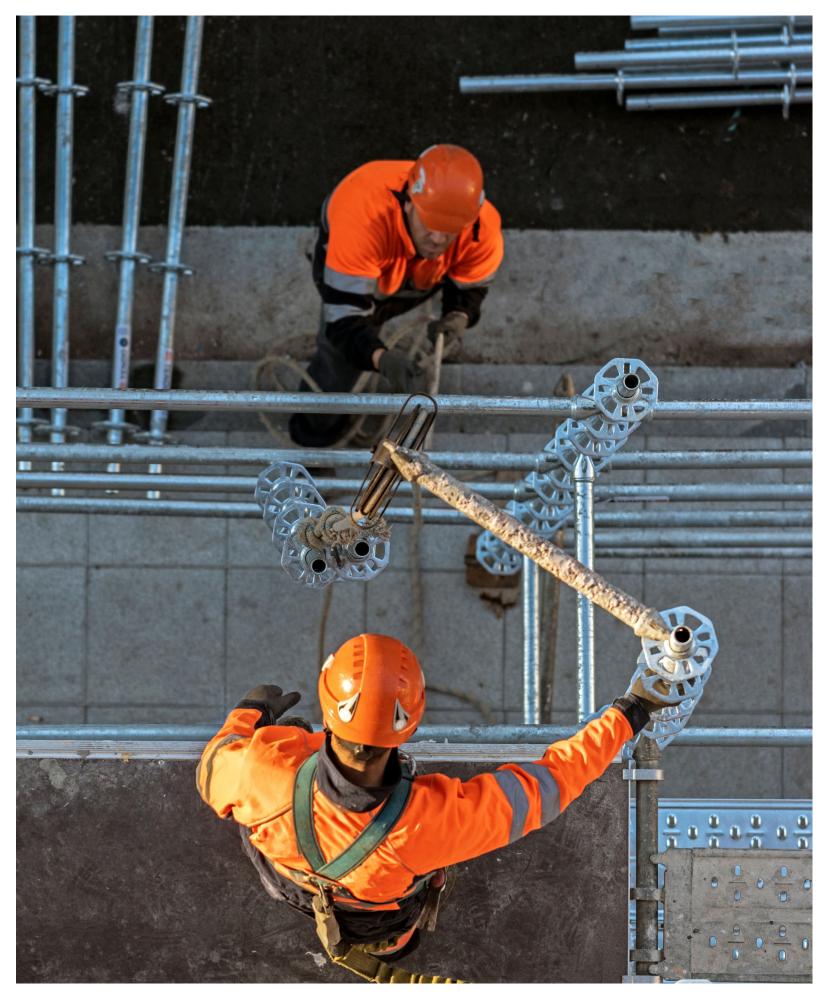
Many construction companies are facing a shortage of skilled workers, so it's becoming more and more important to improve the productivity of the team you already have.

Highly skilled trades, managers and professional workers across the industry are currently in

While fixing the labour shortage in the This will help to encourage them to return their construction industry is no easy task, your workers cannot be more productive without the right type of skills to do so.

certificates your staff currently hold.

track of employees' certificates and notify you of any gaps in your business. By allocating your teams and assets in a productive way, you can already make great improvements.



EMBRACING DIGITIZATION TO MANAGE YOUR **ASSETS**



When it comes to increasing productivity, adopting digital technology is the fastest path that brings the biggest payoff.

Even though research shows industries that digitize enjoy increased productivity of up to 1,500%, the construction industry is the second least digitized sector in the world.

A common problem within the construction sector is that very few companies go digital and digitize their assets, equipment or business processes. While every effort may be put into equipment management, a scenario seen all too often is businesses relying on pencil, paper and spreadsheets - all practices which are prone to costly errors.

Too much time and money is wasted on site due to delays looking for tools and equipment or buying duplicate items. Our research found that on average, companies are spending 90 hours a month searching for assets across construction sites.

Are you still managing your equipment using a patchwork of paper-based systems and spreadsheets?

Doing so eats employee time and puts you at risk of costly errors, which damages productivity and could cost your company a fortune.



To overcome this, it's important to have the ability to measure data on your construction sites and projects, such as where your equipment is, who is using it, how much it's costing you in repairs and maintenance and how well your tools are being utilised. This means you will be more informed on the areas in your business you need to make improvements to increase productivity and save money. When it comes to increasing productivity, adopting digital technology is the fastest path that brings the biggest payoff.

So, what's the solution?

Having the ability to track your tools and other

any time is key to improving productivity. Asset management software in its simplest terms is software that can track assets throughout warehouses, vehicles and job sites, providing you with their location at all times and their compliance status.

This is achieved by using smart tags, which are scanned into an asset management system using a smartphone and App or alternative more productive tasks by eliminating delays on connected technologies such as NFC (Near site. Field Communication) or Bluetooth which can offer essential insights in real time. Doing so means it is now possible to log into a system on a handheld device to see the location of each item you need, who is responsible for them and when they were last serviced.

Your employees will no longer need to spend hours tracking items using paper-based systems and phone calls, and there'll be no chance of tools arriving on site from the warehouse in unusable condition.

Asset management software also has the potential to be combined with new technology and methodologies to reduce down time and eliminate waste. For example, Asset

types of equipment, as well as their status at management software united with other software solutions will provide you with a highly efficient and profitable platform that can help you optimise the profitability and productivity of your projects.

> With the right choice of software and support, asset management software will more than pay for itself by cutting unnecessary costs on physical assets and freeing up staff time for



HOW HILTI CAN HELP YOU TO IMPROVE YOUR PRODUCTIVITY

All this considered, it can be a bit overwhelming to know where to begin. However, exploring these key ways to improve your jobsite productivity could help you identify areas which could have a big-pay-off in time saved. And the great news is, you don't have to do it on your own.

Our dedicated Solution Consultants can help you identify opportunities to optimise and streamline your tool park and digitalise the way your tools and other assets are managed, in order to keep hidden costs to a minimum and boost overall productivity. We can help you to make changes that will keep your productivity up, and your costs down.

With over 75 years of industry knowledge at Hilti, our Solution Consultants have helped thousands of Hilti customers identify opportunities to optimise and streamline their tool park and digitalise the way their tools and other assets are managed, in order to keep hidden costs to a minimum and boost overall productivity.

SEE HOW PRODUCTIVITY CONSULTATION WORKS



ASSET INVENTORY

We assess the number and condition of the tools you have onsite, in vehicles and in your warehouse

COST OF OWNERSHIP

We uncover the hidden costs caused by repairs, lost or stolen tools, administration, downtime etc.

PROCESS MAPPING

We identify opportunities to streamline your processes for managing materials, people, tools & certificates

TOOL UTILISATION ANALYSIS

We monitor tool productivity and compare with potential alternatives

PRODUCTIVITY REPORT

We give you transparency on productivity gains and cost savings with advice on the most effective way to manage your assests and compliance

Ready to get started? Talk to an expert.















