

# DIGITALISING THE CONSTRUCTION INDUSTRY



## In conclusion

Karl said: "I would advise other companies in the sector looking to invest in digital solutions to first, look at your standard processes and how you physically record information. Secondly, look at SitePro UK and see where it fits. For many, it will reduce paperwork and streamline processes or may introduce new processes you never had."

"As our industry continues to evolve, I intend to keep the software free to all users and I strongly believe this will only help to improve quality and processes to adhere to the new Building Safety Act and keep your operational costs to a minimum."

[www.msccontractors.co.uk](http://www.msccontractors.co.uk)

## Out with the paper documents, in with the digital revolution!

Following a chance conversation with a close friend in 2016, what is now Trappco's focus has been on providing productivity solutions that tackle the enormous problem of manually managed paper documents that still plague construction sites today, explained **Richard Hulbert**, Director at Trappco.

Richard said: "Slowly but surely since the incorporation of the company, we have developed a series of modules including Quality Assurance (QA), Health and Safety, and more recently Induction."

"All of this is done whilst sticking to our core unique proposition of using our customer's own documents, maintaining the integrity and familiarity of their paper system."

## The simple concept

Richard explained that the product is very simple in its concept, taking a customer's own documents such as handovers, QA check sheets and snagging forms etc, extracting those important and familiar

questions and then presenting them as a series of buttons and form fill fields with the ability to embed photos and signatures captured in real time.

He said: "In the case of the Induction module, we are now capturing personal details from contractors, subcontractors, sole traders etc in a secure and passcode protected environment."

"Again, driven by our customer's own documents, this can be anything from contact and medical details to training and competency data to site specific Risk Assessment Method Statement (RAMS), in fact, all you would expect from an induction

but instantly available from site and vital for maintaining that 'Golden Thread'.

C G Reynolds is a specialist contractor using the Trappco software apps. **Steve Upton**, its Operations Director said: "Our old method of paper documentation was time consuming and inaccurate with things often getting missed. By introducing the Trappco software apps we have reduced our time recording QA, by as much as 50%. With the automatic distribution of the information our clients receive accurate quality inspections in real time. In addition, without the need to photocopy or scan anything, the site management team has more time to focus on other responsibilities of the day to day running of a project".

## In conclusion

Richard said: "Making the transition from paper systems to digital solutions can be very daunting. They are perceived to come with a heavy financial and disruptive cost, companies will all too often decide it is easier to stick with what they know. My advice to companies would be to take a look at small areas of their business where a low cost tailored solution could have a big impact on the bottom line."

"Over the years I have learned to listen carefully to our customers to really understand how their current system works so we can deliver a solution that meets their specific requirements. Also, to believe in our product because it works!"

[www.trappco.co.uk](http://www.trappco.co.uk)

## The potential of technology to reduce error

The Get It Right Initiative (GIRI) has created a report that considers ways in which technology can help reduce errors in design and construction; to suggest some of the solutions that can have the most impact; and to address some of the barriers to their adoption.

The report assesses a wealth of new tools being adopted by the construction industry, identifying those with the greatest potential to reduce the errors that are estimated to collectively cost the UK construction industry up to £25 billion per year in lost time, wasted materials and rework.

The report singles out 10 types of construction technologies which, if implemented properly, GIRI argues can directly mitigate the root causes of error identified in GIRI's wider research. These include:

- 'Checking' technology
- Automated generation

- technology
- Workflow engines
- Visualisation software
- Collaboration and communication tools
- Computer vision
- IOT sensors
- Digital setting out
- Document management systems.

The research is based on in-depth interviews with contractors, consultants and technology providers. Full details on the technologies are available by visiting: <https://tinyurl.com/mr2tt559>

