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Here To Bring your dream house to life!

About us: Here at GB construction we take pride in making sure we produce the best results to ensure we can continuously achieve.We will now begin to outline what we do and some of the equipment and software we use for our jobs.

What we do: We use Digital technology, which includes a collection of tools that use and modify digital data to assist develop, deliver, and run the built environment has created a cultural shift in the construction industry. These tools consist of Collaboration between the building team and other stakeholders as well as within the team itself has improved thanks to digital technology.

Buildings that would have been extremely difficult to design and build before the dawn of the digital revolution are now possible thanks to new materials, methods, and innovation.
There is increasing implementation of digital technologies in construction. However, the transformation effects encompassing digital technology implementation are yet to be fully comprehended within the context of construction. Therefore, this study was aimed to provide a holistic understanding of digital transformation in construction(Olanipekun, 2021).

Examples of the digital technologies and software we use are:

3D Printing

Buildings can be "printed" in their entirety or construction components can be produced using 3D printing in the construction business. Construction is a good candidate for 3D printing since it has expertise with computer assisted manufacturing and produces a lot of the information needed to make an object.

This method of construction is very versatile and can help create specific components of a project and even various types of complex structures in its entirety such as houses or living spaces, offices, bridges, walls, modular structures, reinforcement molds, columns, urban furniture and even decorative elements (Irabar,2022).

Drones

Although drones are most recognised for their use in military activities, they have also been created for a variety of civil purposes, including filmmaking, surveying, crop spraying, and other things.
With a drone, that same manager can do a flyover and quickly assess whether the equipment is where it needs to be. They can also quickly recognise if a piece of equipment that should be terminated is still on-site, preventing expensive accidental extension charges(Rentz,2022).

BIM(Building Information Modelling)

The adoption of building information modelling (BIM) enables the automatic development of quantities, cost estimates, ordering, and tracking information in addition to further reducing errors and improving the quality of information.
Another benefit of BIM is its use on-site.
Contractors have access to BIM software on-the-go, so they're able to construct the building based on the most up-to-date plans and workflow. This also reduces clashes. It's easier to visualise problems before construction begins, so contractors don't have to waste time finding solutions on-site(Reyes,2020).

AI(Artificial Intelligence)

We have shown that AI is an essential part of contemporary engineering and building methods. Construction's biggest problems, such as cost and schedule overruns and safety concerns, are some of the ones that artificial intelligence in the sector helps to resolve.

In recent years, construction companies have increasingly started using AI in a range of ways to make construction more efficient and innovative. From optimising work schedules to improving workplace safety to keeping a secure watch on construction facilities, AI in the construction industry is already proving its value (Walch,2020).

Based off these examples of equipment and different types of software that we use, we definitely feel like the construction world Is being advanced and improved over time especially In the digital since which makes things easier manually for our workers.