

TAKING ADVANTAGE OF AI TO COMPETE WITH INDUSTRIALIZED CONSTRUCTION

STRUCTURED DATA PLATFORMS

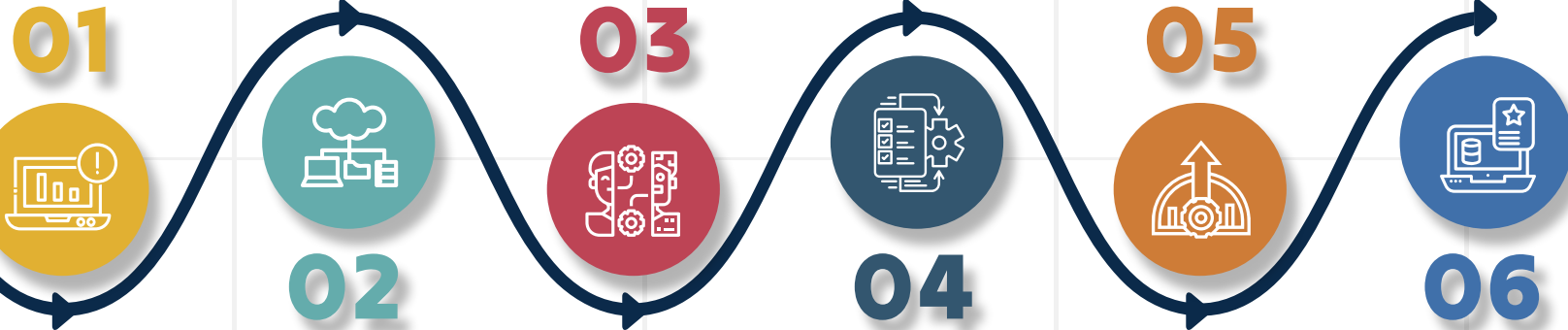
AI software and applications have allowed the members of the project to capture and track data across team members. The amount of unstructured information generated during construction planning and designing through paper drawings and inconsistent databases can be analysed by AI & data analytics. The machines can identify a structure on the basis of analysis and produce consistent and structured information that offer opportunities to expose insights to improve performance.

TASK AUTOMATION

The need of the hour is to reduce manpower hours where not required. In any industry especially the construction sector, there are menial task jobs that occupy the best of brains; the use of AI will open the opportunity of task automation of such jobs by augmenting, enhancing and replacing such tasks by digital machines and making it systematic.

APPLICATIONS BASED ON BUSINESS VALUE

AI technology is formed with the combination of machine learning and data science, capable of effectively solving business problems. Construction companies that standardize data capture and maintain high data quality standards can benefit in improving business value from implementing AI technology.



AI SYSTEMS TO REDUCE ERRORS & EXPOSE INSIGHTS

The construction industry is highly driven by data, insights and measurements; firms are focused on eliminating any error in the processes of building a site that is risk proof. The errors to be removed will help in boosting the productivity of the team and the process and also improve the outcomes.

HUMAN + MACHINE COLLABORATION

The construction industry requires both intuitive and non-intuitive action capabilities. AI can provide a structure to unstructured thoughts by being a digital advisor and a Human brain can process unstructured physical environments as it is. The collaboration of both can improve performance outcomes.

TRANSITION TO INCREASE CAPACITY

The adoption of AI will enable the teams to deliver profitable, sustainable and efficient projects that have lesser errors and are insightful. Transitioning from physical machine to digital machine will require educating oneself with the latest technology and trends which enabling the construction firms to become market leaders.