



www.IndexARSolutions.com



AUGMENTED REALITY FOR CONSTRUCTION

Index AR Solutions develops and deploys augmented reality (AR)-based solutions on mobile devices to solve client challenges. Our dedicated team of AR professionals uses its industrial experience, expertise and knowledge to create unique AR solutions.



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HOW AR HELPS THE CONSTRUCTION INDUSTRY

Utilizing Augmented Reality (AR) in the engineering, procurement and construction industry (EPC) helps make people safer and improves inspection, work instruction, training, work flow management, operations and safety.

But more than that, AR is utilized in the following ways on a construction site:

- **Marketing & Pre-Visualization.** AR can showcase a building that is planned for a future date. Users can stand on the road, for example, opposite of a corner lot to see what a building will look like in that space and even walk around and pre-visualize its placement.
- **Construction & Manufacturing.** AR can pre-visualize a project and then transition to helping crews sequence and progress their work. As an example, AR can be used to highlight specific work instructions for crews, color coding which elements of a job are to be done and in what order. Skilled crafts people, technicians, and supervisors can watch the progression of a job unfold without managing mounds of paper plans.
- **Inspection.** Inspection remains one of AR's top use cases with inspectors utilizing AR to see the alignment between as-designed models or drawings and the as-built conditions. With AR, inspectors can overlay as-designed drawings directly over the as-built conditions to uncover any discrepancies.
- **Decommissioning.** When facilities or buildings reach the end of their lives and have to be torn down, AR sequencing applications can be used to decommission the structures.
- **Ongoing Operations & Maintenance.** Once projects are complete, AR can be included for the client's long-term operations and maintenance of structures.

AR IS AN INVESTMENT IN PEOPLE

The approach Index takes with the AR it develops completely revolutionizes the way that work is performed in manufacturing, construction, operations, maintenance, and any place where skilled tradesmen, craftsmen and technicians work. This is because of the tremendous value of overlaying visual information on their real world.

Investing in AR with Index is an investment in people, helping to:

- make them more capable and productive, and thus more valuable;
- augment and enhance worker performance (it does NOT replace people); and
- create a sustainable competitive advantage for companies that adopt the technology early, resulting in a safer and more efficient environment.

HOW INDEX WORKS WITH CLIENTS

Index provides solutions to fit client needs, budgets and time frames. Solutions are deployed on off-the-shelf mobile devices that improve an organization's safety, quality, compliance and knowledge transfer with cost and schedule performance improvements as a bonus. Index offerings include prototypes, proofs of concept, pilots, and projects, as well as long-term programs and full production transformations. The Index team works collaboratively with entire teams to ensure AR solutions are tailored to the needs of your workforce.

CONTACT US

AR is ready now. An enterprise can deploy AR and immediately reap the benefits of this investment in their people. Visit the Index AR Solutions YouTube channel to see first-hand worker experiences with AR, as well as worker testimonials. There is no reason to wait. Potential clients can get an on-site, hands-on demonstration.

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