



**INDEX**  
AR SOLUTIONS

[www.IndexARSolutions.com](http://www.IndexARSolutions.com)



## AUGMENTED REALITY FOR OPERATIONS AND MAINTENANCE

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.



### HOW AR HELPS WITH OPERATIONS AND MAINTENANCE

Utilizing Augmented Reality (AR) for ongoing operations and maintenance helps make workers safer and can improve inspection, work instruction, training and work flow management.

With properly implemented AR, operators can see the health of their facilities and equipment more clearly and concisely. Live and static data regarding the health of the operator's equipment is converted to visual overlays seen on mobile devices. For instance, an operator can point a mobile device with an Index AR based application at a row of pumps. Live data streaming from the pumps can be converted to simple visual overlays, with an intuitive stoplight color coding to showcase which pumps are in and out of parameter limits.

AR can also be vital for maintenance, especially in today's industrial environment where knowledge transfer is extremely important for continuity of operations. Currently, industrial organizations face lopsided demographics with many skilled tradespeople preparing for retirement with no clear means to transfer job knowledge to newly hired craftspeople. With AR, this challenge is addressed.

Index AR applications transfer knowledge from experienced workers, extract information from technical documents, and incorporate observations from procedure reviews. All of this is converted to simple, easy-to-use visual step-by-step instructions overlaid directly on the equipment being maintained, improving safety, quality, cost, and schedule in the process. AR fundamentally changes the efficiency of maintenance operations and the way people train to maintain, shortening the learning cycle by many multiples.

### 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.