

Technology Corner Profile

Low productivity and a low digitization rate have sparked an influx of new technology being developed, which has the potential to make a profound impact on the risks involved on construction projects and within asset management such as safety risk and design risk. Aon understands that this trend may be of interest to our clients and has created the Technology Corner to profile different construction technology and asset management companies. Each profile gives an overview of the technology, addresses its risk treatment potential, and identifies what insurance policies its implementation could impact. Our goal is multi-faceted to raise awareness about leading construction and asset management technologies that could help reduce risk on site for the purposes of educating our clients and the insurance markets.

Product Description

Doxel is an artificial intelligence solution for construction productivity. It uses autonomous devices to monitor a site every day, both outdoors and indoors, with LIDAR and HD cameras. Their proprietary artificial intelligence algorithm then processes the data, inspects installation quality, and quantifies how much material has been installed correctly.

Their cloud-based dashboard then provides project managers with real-time feedback on productivity, as well as how actual costs and time spent are comparing to the original budget and schedule. As a result, managers can better control outcomes and keep their projects on time and on budget. Benefits include:



Budget

AI measures installed quantities and calculates earned value for thousands of line items, telling you exactly how much you owe for a day's work.



Schedule

Doxel keeps you updated with real-time progress reports, measured production rates and project completion forecasts.

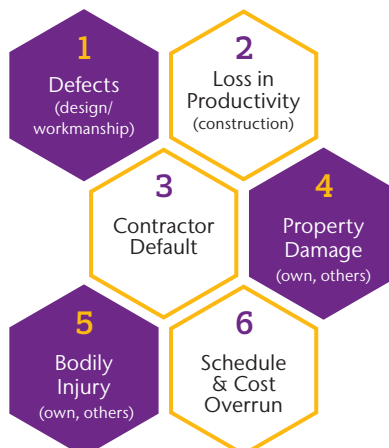


Quality

Doxel detects errors with superhuman accuracy through their AI engine, instantly letting you know if field installations are installed per the plan.

Risks Treated

Key risks mitigated by the Doxel system include:



Company Profile

Doxel
3250 Ash Street
Palo Alto, CA, USA

CEO:
Saurabah Ladha

Category:
Artificial Intelligence, Scanning/
Reality Capture

Website:
www.doxel.ai/

Location:
North America

Impacted Insurance Policies

Insurance policies that will be positively impacted by Doxel:



Comments from the Founder

“Doxel is the canary in the coal mine for construction risks. You can’t improve what you can’t measure. Without real-time visibility into quality and progress, managers simply can’t boost productivity. Our turnkey solution tracks progress for hundreds of thousands of line items in project budgets and schedules, comparing actual performance to original plans. With Doxel’s system in place, project managers can react in minutes, not months, increasing productivity by fifty percent and bringing in projects twenty-five percent under budget.” – **Saurabh Ladha, CEO, Doxel**

We're here to
empower results

David Bowcott CRM
Global Director,
Growth, Innovation & Insight
Global Construction &
Infrastructure Group
+1.416.868.5909
david.bowcott@aon.ca

aon.com

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