We as an industry have reached a tipping point when it comes to technology and its value across the construction workflow and beyond.

In years past, construction and survey firms have invested in a tool or technique to improve a task with great success. For instance, many now use a total station because it's far more efficient than using string and tape. But today's technology-immersed environment dictates a broader perspective that requires a look beyond task-oriented improvements.

The sheer quantity of data gathered by office and field solutions creates a challenge — and an opportunity to reshape productivity, efficiency, and what it means to be collaborative in the construction environment.

FOUNDATIONAL SOLUTIONS

It might surprise some, but building information modeling (BIM) is more than a design and modeling tool in today's projects. BIM is fundamentally all about process and collaboration — and therefore a critical piece of digital workflows. It's a forum for how digital data will be exchanged and reviewed throughout the project lifecycle, from design

with a robotic total station to pinpoint locations from the 3D model and document existing conditions. Using the field

About the Author

Bryan Williams is segment manager, feld technology group, at Trimble. Williams has nearly 30 years of international experience working in the construction industry as a site engineer, construction surveyor, project supervisor, and consultant. He has spent the last 15 years developing and marketing intelligent positioning solutions for the construction industry as part of Trimble Buildings.

About the Article

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