Revizto – Digital Coordination from Design to Construction
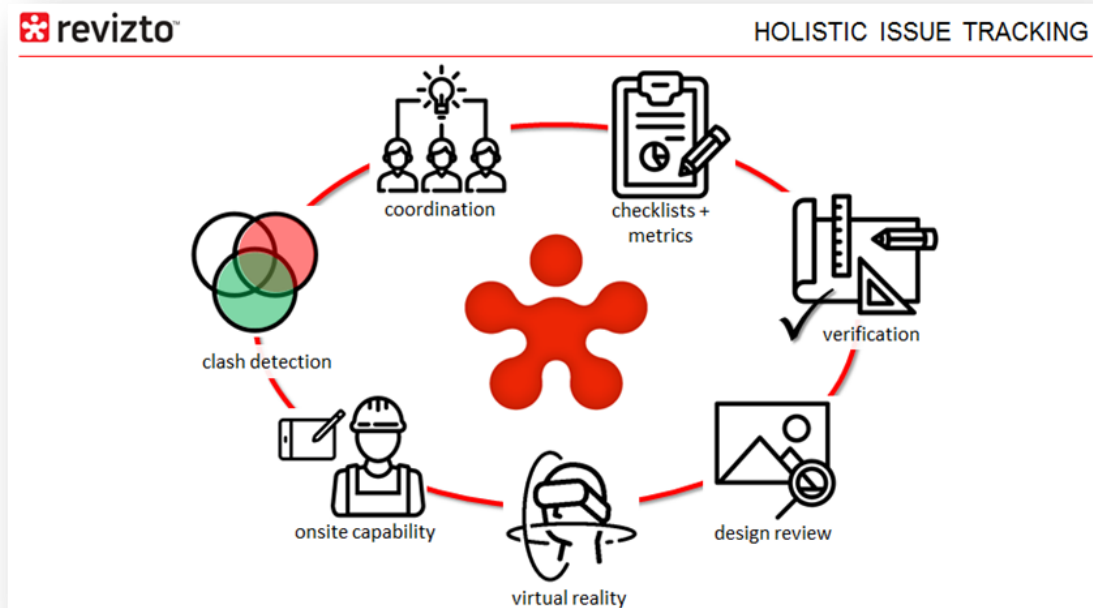
Building Information Modeling (BIM), and Virtual Design and Construction (VDC) practices have been widespread for more than 15 years now. During that time many software applications and workflows have been used to better access and leverage data rich geometry, and visualization.

Throughout this period, there have been gaps in the process that have resulted in key stakeholders being pushed aside. Traditionally the data from a model is separated and reviewed in silos, using manual and often untraceable communication methods.

Revizto provides complete transparency through the design review by leveraging an intelligent model and centralized communication. In addition, it enables users to extract the project data and relay it in ways that can alter critical decisions in real time.

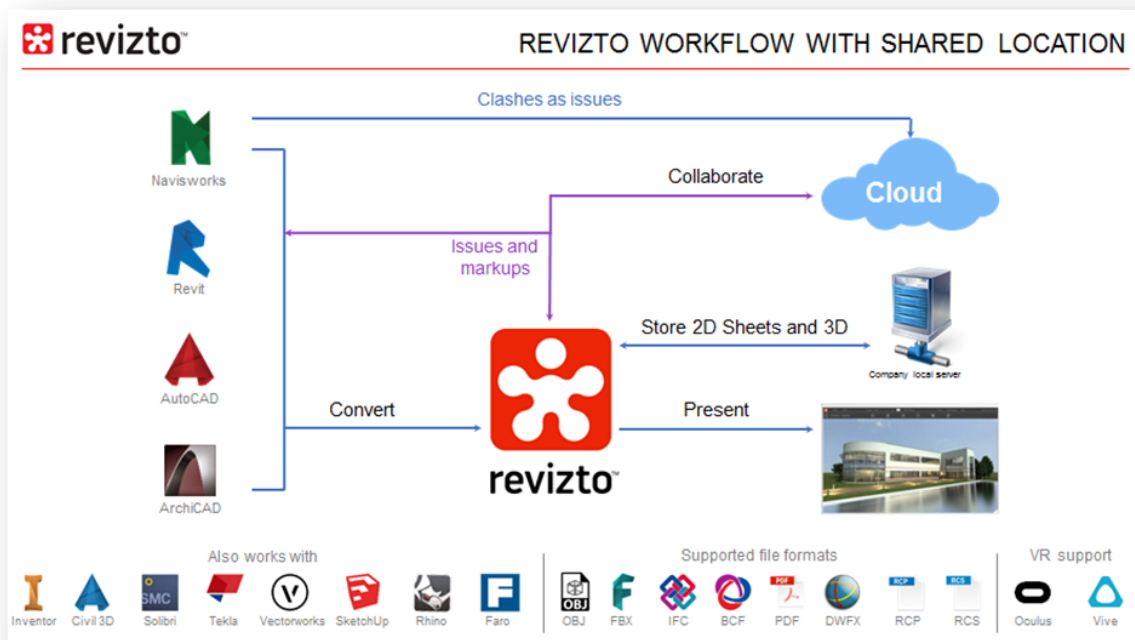Revizto is a real-time coordination tool that democratizes the access of BIM to address those issues.

One key driver in the adoption of Revizto as a coordination tool is the ease-of-use of the technology. Non-technical users such as executives or site coordinators that are not well versed in the use of a digital coordination workflow are able to interact with the BIM model data very quickly and intuitively. As a result, stakeholders who have been at an arm's length away from the BIM process can now interact with other members of the project team.

Unlike many other BIM applications, technical users and IT professionals can train their staff and implement the technology in a matter of hours instead of weeks or months.

Revizto completes complex tasks very easily. It also becomes indispensable to a company's workflow very quickly as more manual tasks are replaced by the powerful automation within the software.

Many firms choose Revizto because of interoperability of the application. Whether the project originates from Revit, Navisworks, AutoCAD, AutoCAD, Sketchup, Rhino, or a combination of file types, all users can access a non-destructive version of that project from the desktop or in the field from directly within Revizto.

Projects today are very complex and the ability to relay the information to non-technical personnel is key in accurately conveying intent in any context. The ability to quickly see model views based on a plan, sections and 2D review issues quickly resonates with important project participants that may not be expert software users. Add the ability to gather object data and you have a potent way to get this data to the masses.

Even non-technical project stakeholders can easily learn to jump from intelligent 2D sheets to a 3D model. Then they can markup issues that include photos or attachments and assign those issues to specific team members including deadlines and categories.

More technical users can sync clashes from Navisworks or Solibri as assignable issues and can switchback from an issue marked up in Revizto to the exact coordinate within the Revit model to make the necessary changes.
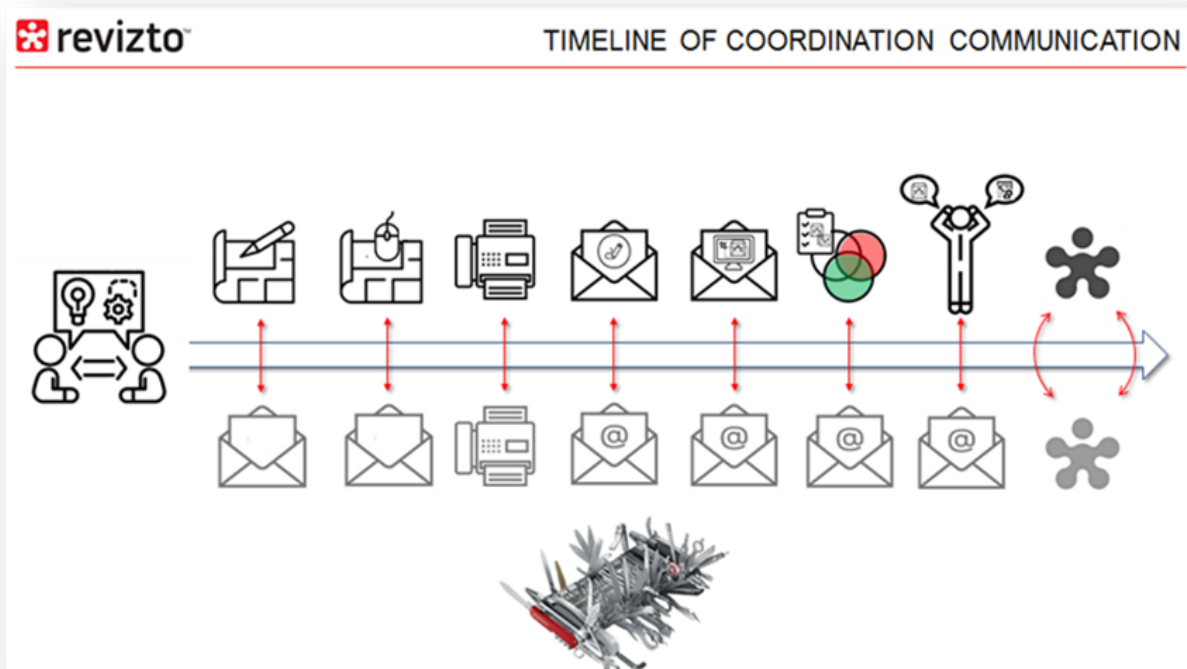
Project managers can view the bandwidth and bottlenecks on a project from the real-time dashboard, or schedule automated reports to be delivered to other stakeholders in minutes. Automated reporting not only adds a lot of value through saved man hours, but also ensures accuracy, and most importantly is always up to date.

Revizto is used for coordination during the schematic process, leveraged by partners as a sales and presentation tool, technical users rely on Revizto for coordination among disciplines during the design process, while Revizto provides a versatile platform for feedback in the field among the GC and trades. Revizto can be used as a true concept- to-completion BIM/VDC coordination platform, documenting the entire process along the way.

Revizto also has tools to incorporate reality-capture meshes as well, allowing it the ability to work with data captured from drone flights and scan data. This provides an additional workflow for tracking site issues, visualizing existing conditions during design coordination, and seeing as-built models across your user base as the project develops in concert with your design intent and fabrication models.

At any point in the project, project members rely on Revizto to provide them with an archival project that contains the 3D model, 2D sheets, Revisions, and all project communication. Having this history available at any time provides an instant but often overlooked form of return on investment. The key benefit relates to the time spent tracking down and explaining decisions and how they were formulated to solve an issue. As a result, a Revizto workflow often results in recovering those lost man hours over the course of a design or construction project. This project accessibility is key to organization and the ability to quickly recall key moments and significant events in a project.

Another thing that separates Revizto from many of the other BIM/VDC technologies in the market today is the commitment and speed by which the tool continues to develop. Contrary to other applications, where new releases are typically introduced on an annual basis, Revizto has consistently rolled out significant enhancements on a quarterly basis for the last several years. An important distinction is that these enhancements are in response to the requests of product users, Revizto's recent product updates have enabled AEC firms to further automate their entire review & coordination processes while reducing clicks, time, and errors along the way.

Revizto continues to progress towards the goal of becoming the industry standard for BIM coordination, allowing firms to reduce their technology stacks and leverage the tool for all phases of a building project lifecycle, aside from the actual design content itself.