⬡ AVVIR®

Automated risk analysis for construction.

Give your team control with automated schedule tracking, cost and earned value analysis, installation issue detection, and an updated BIM with as-built conditions.

With Avvir, you can identify risks using your existing data.

We know that project teams have most of the data they need to prevent issues from arising on-site. We also know that most of that data is siloed.

To really unlock the potential of your jobsite, your data needs to be connected in a single place. Avvir connects all of these disparate, existing data sources into a single point for insights and context. We do this by connecting pre-construction design data (360 photos and LiDAR point clouds). Combined that with advanced Ai, and Avvir is able to give project teams control and insights with automated schedule tracking, cost and earned value analysis, installation issue detection, and an updated BIM with as-built conditions.

Track Production

Avvir Progress 4D
Automated Schedule Analysis.

With Avvir Progress 4D, you can automatically track and prevent delays by comparing your project's progress to its schedule on a trade-by-trade and area-by-area basis.

Our algorithms improve visibility into your project, accurately tracking work-in-place by utilizing reality capture data from the field. You can also easily share our interactive dashboards with all members of your team, so you have a deeper, shared understanding of your project's performance. Compare your current progress to your original schedule, allowing better communication on how and why your project plan has changed over time.

• Compare trade and area % complete to current and original schedules

• Identify delays that will impact your schedule

• Lookahead shows you projected completion and resources needed

Track Production

Avvir Progress 5D

Automated Cost Analysis.

Gain financial visibility and confidence into your actual earned value. With Progress 5D, you can uncover cash flow and budget risks by tracking installed value against your Subs' reported earned value for each line item in your SOV.

Progress 5D improves visibility into your projects' financial health by accurately tracking work-in-place with reality capture from the field. When combined with other project data, like Subcontractor scope, your BIM and project schedule, 5D gives you objective confidence when validating work completed, which simplifies and streamlines subcontractor Payment Applications.

Within Avvir, you can view earned value reports alongside the projects statused BIM, allowing your team to visualize and understand exactly what's been installed, how much it costs and how much you've been invoiced for.

- Track project and scope costs against your SOV

- Compare captured vs reported earned value

- Be confident in work completed and billed by visualizing progress in BIM with reality capture data

Assess Quality

Avvir Inspect

Automated Quality Analysis.

Fix mistakes, reduce costly rework, and keep your BIM up to date with as-built conditions. With Avvir Inspect, you can automatically review installation quality issues by finding discrepancies between design intent (BIM) and reality (Point Cloud).

Some issues are more costly and important than others, so Inspect highlights key issues that need immediate attention. These issues are published in a shareable report and sent to the field, while clashes in the model can be pushed to 3rd party issue management tools like BIM Track or Revizto, so your teams can take action and ensure all issues are closed.

- Find critical quality issues that require attention

- Download a PDF report of issues or push them to 3rd party PM tools

- Update your BIM to reflect as-built conditions

Deviations
Ducts out of place: 1"
No impacts
UPDATE AS BUILT