



# Avvir understands General Contractors.

GCs use Avvir to take corrective action in the field, keep schedules up-to-date, verify subcontractors' payment applications, and have a BIM that reflects as-built conditions.



## Why General Contractors Trust Us

### Precision Production Tracking

Unlock better, more effective field coordination with deep insights to your subs' progress as compared to your target schedule.

### Financial Visibility

Streamline your pay app verification process with accurate capture of work-in-place quantities and a work breakdown structure modeled right within your BIM.

### Project Database

Avvir centralizes, structures, and links all of your project information, models and metadata into a coherent project database.

### Automate As-Built Models

Digital twin creation at 20% of the traditional cost.

### Identify Errors & Prevent Rework

Proactively identify installation errors and fix them in the field before they impact your schedule or budget.



# How General Contractors Use Us

Have complete knowledge of your build with the Avvir Reality Analysis Platform

## Create a Plan

### Avvir Accelerate

**Tomorrow's confidence, today.**

Avvir Accelerate is a consulting service that helps you streamline your entire project by providing you with the tools and practices for finding, communicating, and acting on project information more efficiently. You'll work side-by-side with our team of experts, allowing you to learn and master the practices and tools needed to become one of the best in the field.

By engaging our experts, your team will be empowered to:

- Facilitate office and field coordination by integrating all project information
- De-risk unforeseen project issues before they happen
- Instill unshakable confidence in owners

## Document the Site

COMING SOON

### Avvir Capture

**Contextualize reality and BIM.**

Use your preferred technology to capture live site conditions, including LiDAR scans and/or 360° photos.

- Visualization of photos
- Visualization of point clouds against a BIM

### Avvir Onsite

**Capture data with our team of experts.**

Don't have the time or ability to gather reality capture data? Avvir Onsite is a one-stop-shop for your construction reality capture needs. Our team of experts are dedicated to providing accurate and cost efficient onsite reality capture needs by employing the latest capture technology.

Onsite services include:

- Stationary and mobile LiDAR as well as 360° photo/video walks
- Post capture services that include Scan to BIM and Scan vs BIM analysis

## Track Production

### Avvir Progress 4D

**Track production and stay on the critical path.**

Avvir keeps you on the critical path by objectively quantifying your projects' progress compared to schedule. Our algorithm statuses each and every BIM element as built or non-built based on comparison of the point cloud data or 360° photos to your BIM models.

Our powerful visualizations of this analysis allow you to see the answer to questions like:

- What did my subcontractor install last month?
- What should my subcontractor have installed but hasn't yet?
- What areas require additional staffing?

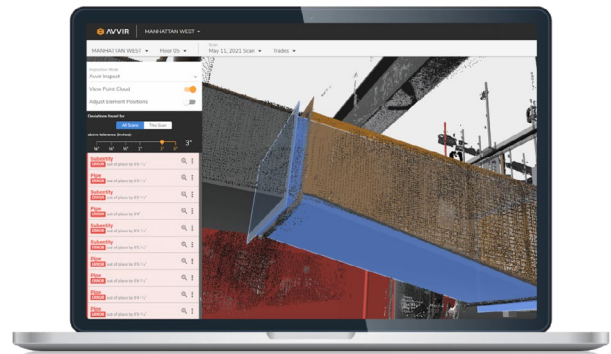
### Avvir Progress 5D

**Track earned value and cost in one place.**

Avvir tracks installed value against scheduled progress for each line item in your work breakdown structure or schedule of values. Use this insight to validate and expedite subcontractor billings/pay apps with reality capture data all within Avvir — no more back and forth emails or various copies of files across different systems.

With Progress 5D, you'll be able to:

- Enable fast and confident pay apps
- Track progress with the context of schedule and cost
- View schedules of values with earned value calculation



## Assess Quality

### Avvir Inspect

**Avoid schedule delays and costly rework.**

Identify discrepancies between design intent (BIM) and reality (point cloud) to uncover potential issues in the field. Combined with Avvir Progress 4D, impacts found during analysis can be tied directly to the schedule, so we can inform you whether a deviation may cause a delay.

With Inspect, you'll be able to:

- Proactively uncover issues and coordinate fixing them
- Get access to quality control reports that help you understand root causes and trends across your team and project
- Have an up to date model with automatic as-built creation

# Unify Project Data via BIM

COMING SOON

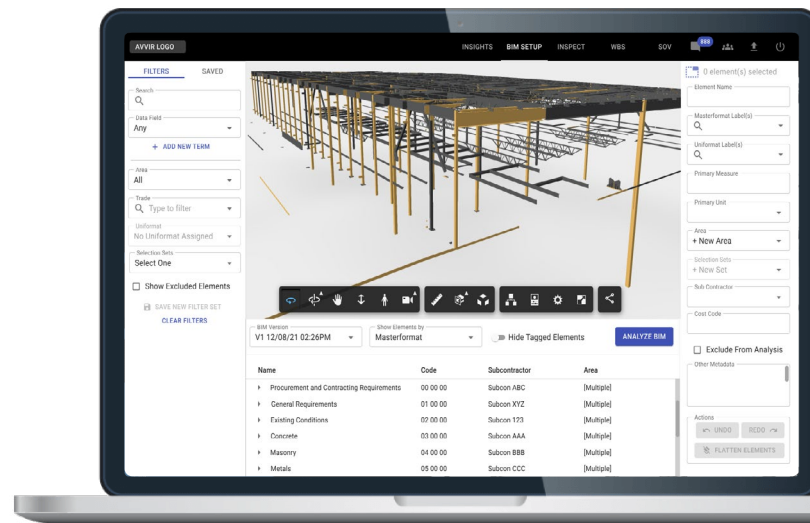
## Avvir BIMbase

**Build enriched BIMs that are available to anyone, anywhere.**

Avvir simplifies BIM takeoff to make it quick and painless. Our “SQL for BIM” enables you to powerfully filter and group BIM elements based on intelligent parameters. Find similar elements by metadata or geometric shape and quickly apply takeoffs.

With BIMbase, you'll have:

- **Mobile Flexibility:** Real-time cloud access to your BIM with no seat restrictions. Whether your metadata is enriched or not, your BIM and its information is available to everyone, anytime.
- **Permanent Metadata:** No more data loss when you update a model. Avvir automatically compares BIMs and carries forward metadata you've added from one version to the next.
- **Quick Coordination:** Ramp up the pace of field coordination via your BIM with mobile statusing and progress tracking.
- **Easy Estimation:** Our “SQL for BIM” enables you to powerfully filter and group BIM elements based on intelligent parameters.



**“Avvir proves the value of BIM and Reality Capture.”**

**John Niles**

Sr. Project Integrator

Gafcon