

Safeguarding Project Success with Automated Project Controls



Michael Pink



SmartPM Technologies, Inc.
Founder and CEO

mpink@smartpmtech.com

- 20 years as a Construction Schedule & Delay Analyst (Deloitte, KPMG, FTI)
- Certified as PSP, CCE through the AACE
- BS in Industrial Engineering from Georgia Tech
- MBA from NYU University



Systemization/Transformation

Asked by a ENR top 50 company if SmartPM could assist with ensuring site teams would become proficient and consistent in scheduling to ensure projects outcomes would improve.

The Results:

- Project schedules submitted weekly by all PM's and Supers (instead of monthly) on 115 projects
- Average Schedule Quality grade went from "C" to "A-" across 115 projects in a 1 year span
- Average Project Health went from 75% to 91% in 1 year span across 115 projects
- Less than 20% are in a delayed state as compared to an industry average of 80%
- Full visibility of performance and risk was made visible to executive through API tie in between SmartPM and PowerBI dashboarding system

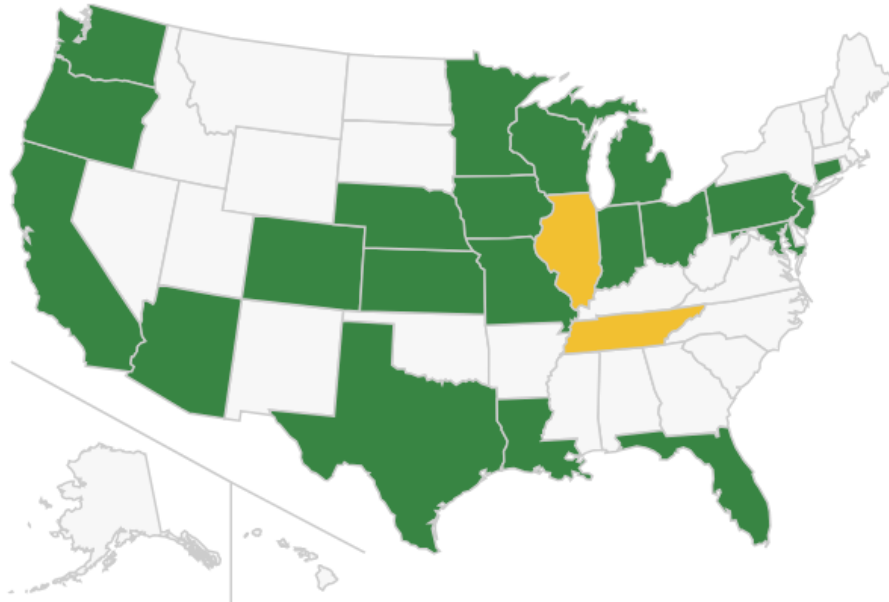


Systemization/Transformation

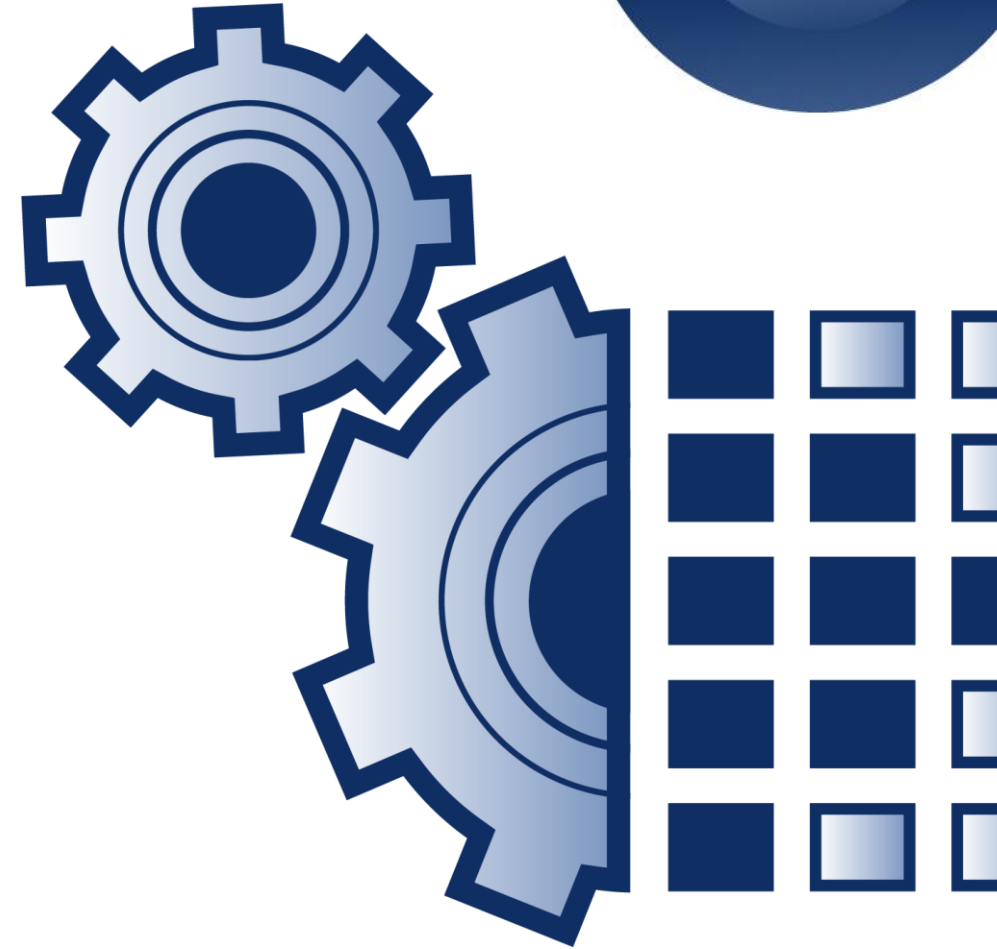
Executive Progress

SPI

< Reset



● High Risk ● Medium Risk ● Low Risk



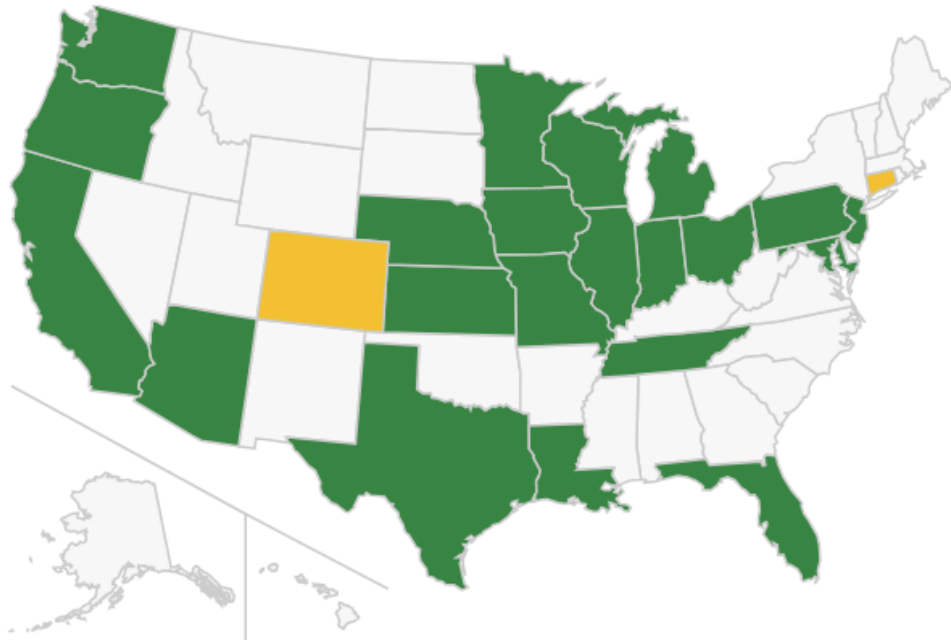
Systemization/Transformation

Executive Progress

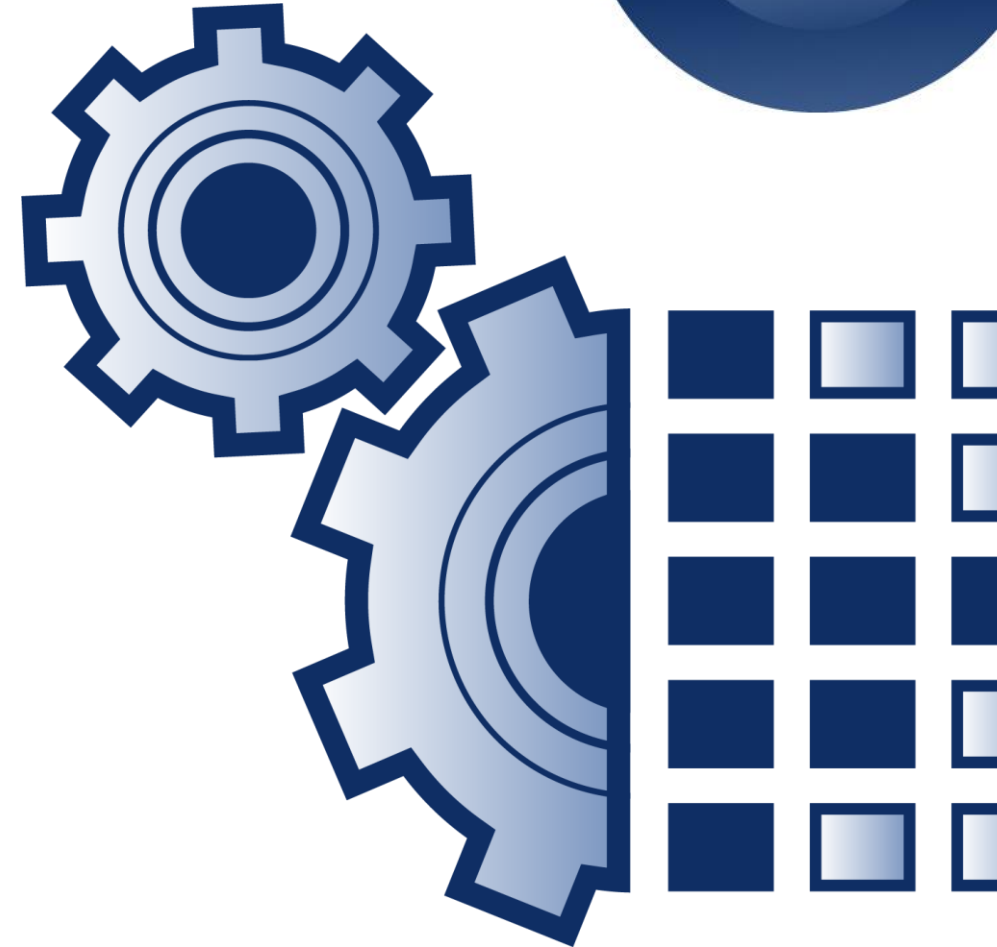
Quality



< Reset



● High Risk ● Medium Risk ● Low Risk



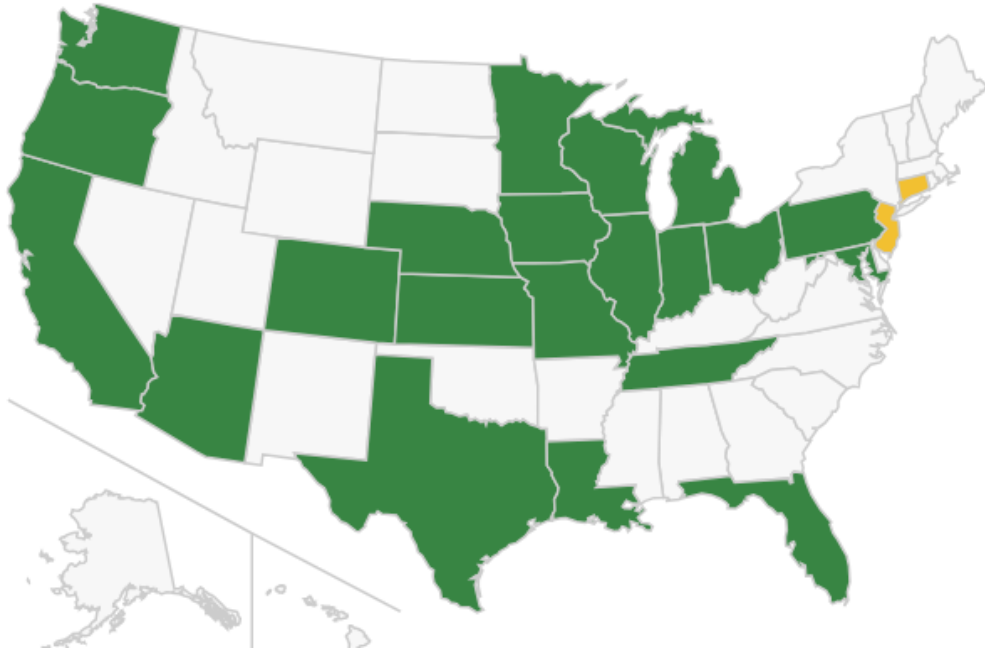
Systemization/Transformation

Executive Progress

Health

< Reset

+
-



Better Outcomes on Projects

SmartPM was the chosen solution by a mid market GC located in the Midwest to assist in helping them minimize the number of projects that were delayed.

The Result:

- Company went from averaging 2-3 months of delays across all projects to finishing most projects 4-6 weeks early on average
- Quantified an average savings of over \$2M in general conditions costs, annually, as compared to spending \$40K annually on SmartPM
- Drastically reduced the number of projects with claims as well as fees for outside consultants.



Better Outcomes on Projects

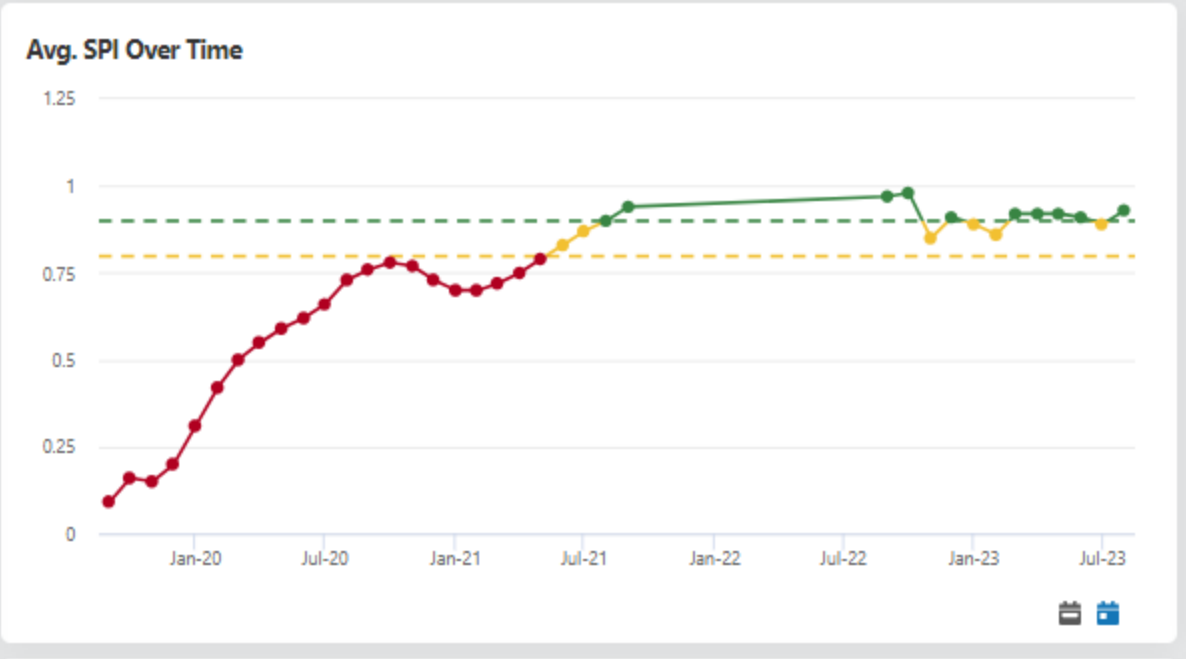
SmartPM was the chosen solution by an ENR top 200 firm to improve scheduling controls and decrease the amount of OT and weekend work as a result

The Result:

- Company went from 8 months of OT per project to about 2 weeks of OT per project.
- Shortened the schedule review process from 1-2 days per project to less than 1 hour per project.
- Drastically improved Project Health, Schedule Performance Index and compression across project portfolio

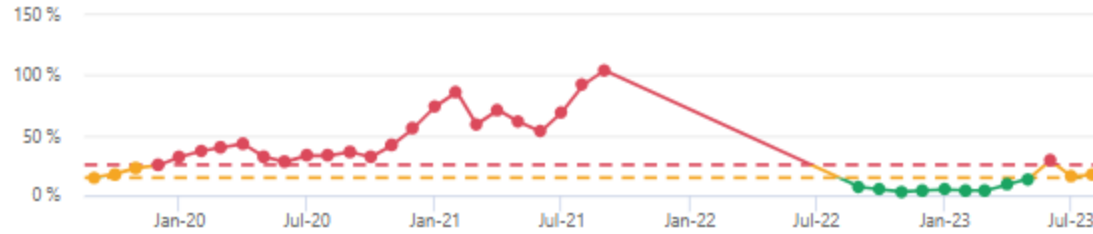


Better Outcomes on Projects

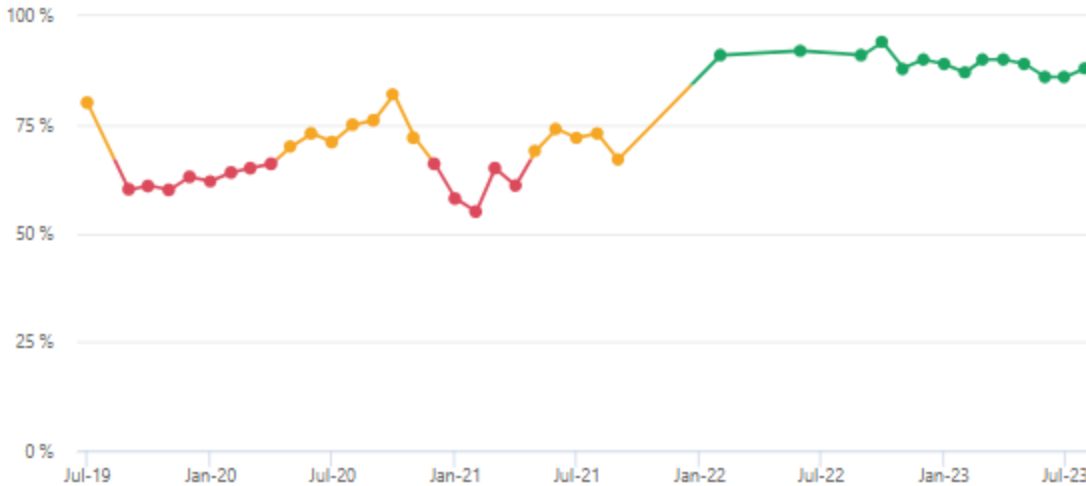


Better Outcomes on Projects

Avg. Schedule Compression Index™ Over Time



Avg. Project Health Index™ Over Time



Added Efficiencies

SmartPM was chosen by an ENR top 50 firm to replace its in-house schedule analytics system to speed up analysis time and make data visible in a consistent and easy to understand manner.

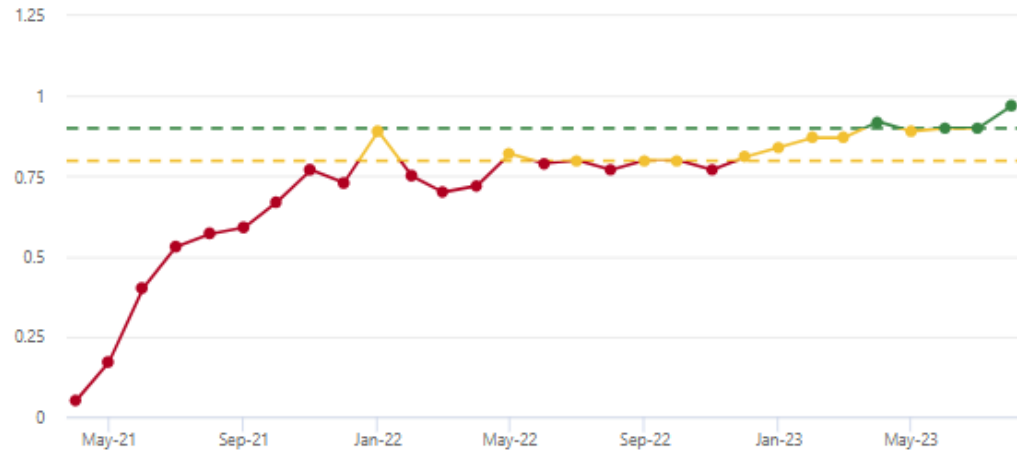
The Result:

- Reduced time to analyze project portfolios by 75%
- Reduced time to prepare reports by 75%
- Simplicity and consistency of analytics made it much easier to discuss project performance with site teams
- Performance and health of projects improved drastically over time
- Enabled team to track to different milestones and assess different subcontractors on every project (which wasn't available in previous in-house system)
- No need to maintain system internally

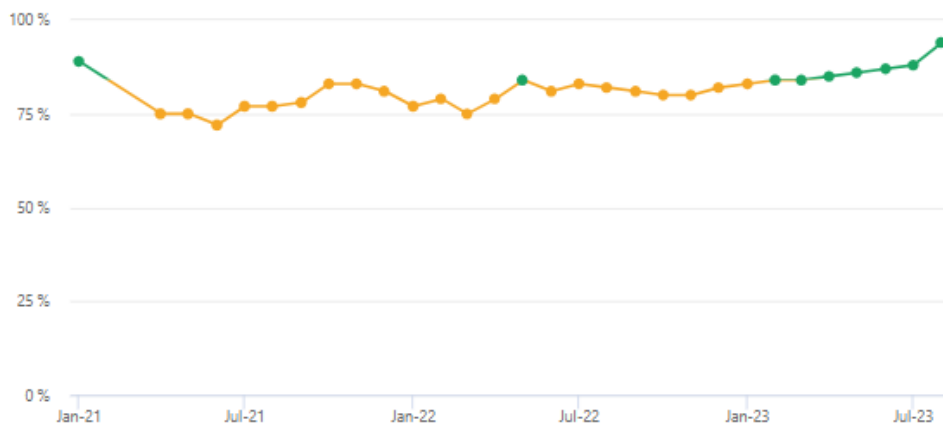


Added Efficiencies

Avg. SPI Over Time



Avg. Project Health Index™ Over Time



Reduced Consultant Fees

Hired by an Insurance company to analyze a project for delay on a high profile case as a comparison to what an outside consultant provided.

The Results:

- Analyzed 2 years of schedules and provided a report of findings in less than 24 hours of “billable time”
- Results were consistent with findings determined by consulting firm that billed 500 hours of time on 1.5 years of schedule updates (\$100K+ in billable fees for analysis only)
- SmartPM analysis identified items regarding manipulation in calendar data made to hide delay, which was critical in the case, which wasn’t picked up by consultants.
- Assisted in enabling client to settle claim without going to litigation



Reduced Consultant Fees

SmartPM chosen by Federal Agency to reduce the dependency on claims consultants on projects

The Results:

- SmartPM implementation team trained 2 in house worked on how to leverage SmartPM to analyze delays and subcontractor performance
- Team able to manage claims process on 50 projects at a time.
- Resulted in drastic reduction of disputes and their dependency on outside consultants (savings of over \$3M annually)





THANK YOU



Divider Slide
Option divider Slide 1



