SmartPM™ Technologies

Project Analytics Built for the Construction Industry

When it comes to Construction projects, there is only one thing you can count on – it won't go as planned. The potential pitfalls are numerous, risk is high and claims are inevitable.

The Schedule Holds the Key

It's no secret that Schedule Analytics is one of the most powerful, yet least understood, project control measures at your disposal; keeping construction projects on schedule, within budget and, most importantly, out of court. The key is to know how to unlock the schedule's power. There are several key processes that must take place regularly on every project and with every schedule update, including:

- **Regular analysis of Schedule Quality & Integrity**
- **Critical Path Delay Analysis (at every update)**
- **Assessment of schedule changes over time**
- **Compression and Feasibility Analysis**
- **Predictive Analytics on both Critical Path Sensitivity and Major Milestone Completion**

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SmartPM is a project analytics solution that is designed to address these challenges in ways never seen before. It has been utilized by all stakeholders involved in commercial construction to effectively manage construction risk and claims. SmartPM™ is designed to assist stakeholders in the following ways:

- **Owners/Developers –** Project Governance, monitoring and dispute resolution
- **GC/CM's –** Project Controls, Risk Management and Claims Management
- **Insurance –** Underwriting, Performance Oversight, Early Intervention, Claims Assessment
- **Financial Institutions –** Risk Management, Early Intervention, Integrity Monitoring
- **Consultants –** All of the Above!

The SmartPM™ Solution
A Better Way to Manage Projects & Minimize Risk

The bottom line is that you need an easy, accurate, and comprehensive way to monitor and analyze progress across your project portfolio. With SmartPM™ you can ensure project success through intelligent automation. With just a few clicks of a button, SmartPM™ will automatically analyze and improve Schedule Quality, deliver job site progress in real time, accurately forecast feasible completion dates, and even run a Delay Analysis in under an hour. Plus, with executive-level dashboards, you can now oversee your entire project portfolio from a single view and quickly identify which projects require your time and attention.
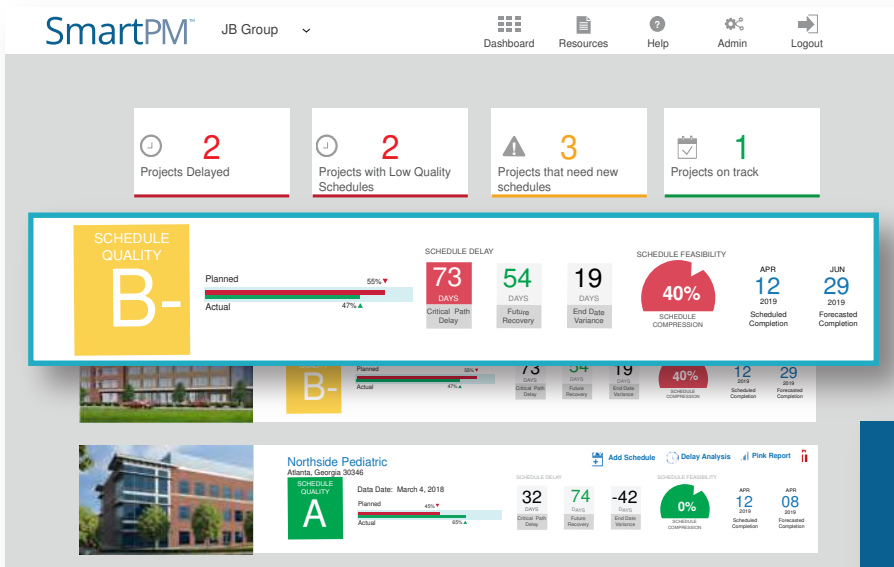
> *"Thank you SmartPM™ for creating and enhancing one of the most powerful tools in Construction. SmartPM™ is revolutionizing project analytics. Thank you and keep up the great development."*
>
> **Roger Daub**
> **Vice President, Benchmark Construction**

SmartPM™

How SmartPM™ Works

The SmartPM™ Project Analytics Platform extracts data from project schedules to generate meaningful analytics and useful insights that stakeholders can rely on to manage, avoid, and overcome challenges related to overruns, delays, and disputes. SmartPM's proprietary algorithm employs a 5-point analytical process to perform powerful analytics and convert them to digestible intelligence for the user.

5-Point Analytical Process

1. Schedule Quality Analysis
2. Recovery/Compression Analysis
3. Critical Path Delay Analysis
4. Feasibility Analysis
5. Predictive Analytics

> "After seeing the owners Pink Report, we're going to be running everything through SmartPM to stay ahead."
>
> **Chad Krause**
> **VP Operations, Build Group, Inc.**
>
> ** Currently using SmartPM on 44 Projects*

Key Features for Managing Risk

1. **Project Oversight Analytics:** Features like Schedule Quality Rating, Compression Index, Percent Complete, Plan Versus Actual, and Days Delayed enable users to monitor and control project performance in real time.

2. **Risk Identification and Early Intervention:** SmartPM™ allow users to identify and manage risk before, during and after Construction. It can be utilized in real time to identify problem projects or can be utilized to identify common risk issues across the entire project portfolio.

3. **Schedule Change Analysis and Milestone Tracking:** This comprehensive suite of analytics allows users to identify high risk changes, perform what-if scenarios, and track milestones in better, more analytical ways.

4. **Forensic Delay Analysis:** Run an Automated Delay Analysis in a fraction of the time required by manual processes to objectively understand where projects went wrong, who was responsible, and why.

5. **Process Improvement / Lessons Learned:** SmartPM™ can be utilized to analyze multiple historical projects to better identify patterns and common breakdowns that resulted in overruns, delays, risk, etc.

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