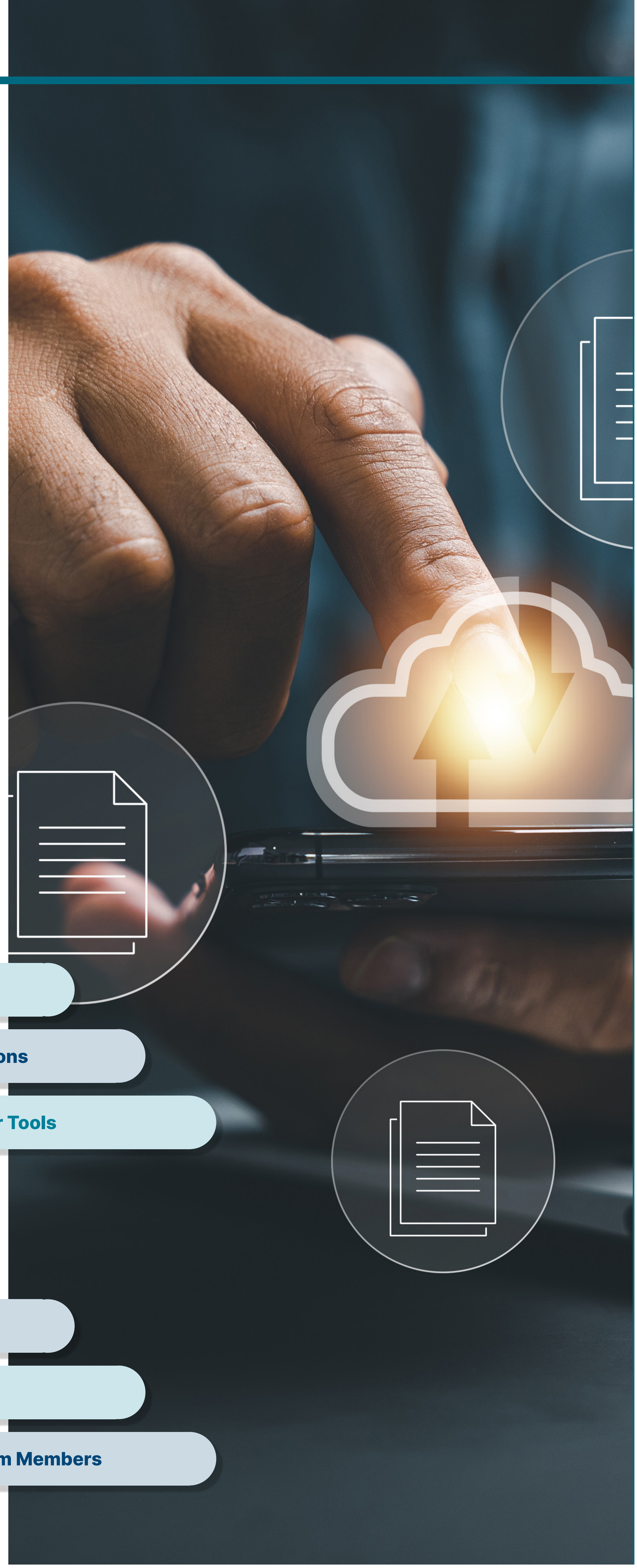
How the Right Technology Can Elevate Program Management

The construction landscape is evolving at a more rapid rate than ever, and the environment is in constant flux. Innovative technology has entered the market and is a critical element for a successful project management organization strategy. Moving from archaic systems to a Platform as a Service (PaaS) can be a significant but rewarding transition for many. Organizations who choose continuous improvement will have a digital advantage. This optimization can result in cost savings, faster delivery times and improved resource allocation, all of which contribute to a competitive edge in the digital age.

This playbook is the ultimate resource to thrive in the ever-evolving world of capital programs. This guide will equip PM organizations with the knowledge and tools to help achieve remarkable results and drive success. Get ready to learn what should be included in a technology solution so that business is elevated to new heights.



Exceed clients' expectations by using a technology toolset that can help:

- **Get Up And Running Quickly To Drive Efficiency**
- **Leverage Data-Driven Insights To Make Informed Decisions**
- **Create An Asset Data Repository That Works With Other Tools**

Let technology lend a hand in effectively planning and executing complex projects with the ability to:

- **Be Compliant With Security Requirements**
- **Look At A Portfolio From Multiple Perspectives**
- **Increase Effective Communication Between Project Team Members**

Accelerate Success with Time-to-Value Strategies

Technology is meant to deliver continuous improvement and efficiency but according to a report from Dodge Data, **55% of organizations** said the current system either had a neutral or negative effect on the ability to change quickly.

Time is a critical factor in the construction industry. The time taken to implement innovative technologies directly impacts an organization’s ability to stay ahead of the curve. Program managers should strive to swiftly transition into new systems and minimize downtime for clients. Purpose-built solutions and predefined industry suites allow for quick implementation and reduce the potential for errors and delays associated with extensive development cycles.

But organizations often find more is needed than just a simple out of the box offering. **75% of organizations** said specific processes had to be conducted outside of the system because it could not handle all the needs. More than likely there will be instances when business processes need to change because of one or more of the following scenarios:

- External factors such as regulatory or governance
- Continuous improvement ideas or new processes
- Change in business (acquisition, merger, consolidation, downsizing)

The real key is to look for a system that comes with standard best practices built in that deliver immediate value **AND** a flexible platform that can be quickly adapted to specific needs. This solution provides the ability to add tailored solutions that can be quickly adapted to a client’s needs. Organizations can create new processes or add/remove steps to an existing process.

A program manager’s commitment to provide flexible and agile solutions translates into immediate value for its clients. By swiftly aligning the platform with an organization’s business processes, teams can experience impactful results in a short span of time. Ask clients how the current system works. Does it do all that is needed?

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Rapid and Configurable PMIS Deployment

Gain Insights from Centralized Data

A massive portion of construction data is not effectively utilized. Up to **96% of all data** captured goes unused in the construction industry, according to FMI Corp. This suggests there is a large amount of untapped potential in construction data that could improve project outcomes and efficiencies.

But it is not enough to just have numbers. Organizations must be able to effectively analyze information if project outcomes are to be improved. **67% of managers and executives** reported not being comfortable using data from the system. With the right analytics tools, clients can confidently make timely decisions, identify critical patterns in programs and improve forecasting. Look for a powerful toolset that allows clients to:

- Standardize data to be consistent across all projects
- Accurately collect data in real time
- Collaborate with all stakeholders
- Centralize data to establish a single source of truth
- Gain insight into project trends and potential risks

By monitoring key performance indicators such as cost, schedule and quality, clients can identify areas where improvements can be made and take corrective action as needed. By having accurate information on project timelines, budgets and resource availability, clients can optimize project schedules, allocate resources effectively and deliver projects on time and within budget.

Click here to read more about [Analytics]

Expedite Handoff with Asset Centric Technology

During the temporary design and construction, a lot of information about what clients are building is created and collected. A fundamental problem is that often, when the data is shared at handover, it is static. It is usually just a bunch of PDFs and spreadsheets on a media device. Much of this data could be useful to clients to operate and maintain the asset, but it is an unorganized collection of information.

FIA Tech estimates that owners spend **2-4% of the cost of the project** to organize handover data in a way that is useful for the asset's operation and maintenance for decades to come. For example, if clients have a $1billion project, then $20 million to $40 million is spent on data handover.

What if the client could eliminate this pricey, tedious project-after-the-project process and the data most crucial to operate and maintain the asset was tagged at the beginning of the project? These tools exist today, and clients can take advantage of the wealth of data that has until now been an unearthed goldmine. Look for an Asset Centric Project Management system that has the following capabilities:

- Creates an asset data repository that continues to inform the owner's other tools and decision making regarding his assets long after the project is over

- Data flows from the project into operations, from specs into BIM and then into CMMS, and then continually between the asset data repository and the tools used for mapping, for digital twinning, for O&M and for future capital planning

By specifying up front what data is important, the client tells the design and construction team what must be collected along the way. The process requires little additional effort because constructors and designers already gather this information. The only difference is that a means for tagging assets – and associating with other important project documents and business processes – is provided on day one.

Click here to read more about
Asset Centric Project Management

Safeguard Information with Certified Security Measures

The construction industry is subject to strict regulations related to data security and privacy. Non-compliance can result in severe consequences, including fines, legal actions and reputational damage. Not to mention, security breaches can disrupt operations, leading to downtime and financial losses. And of course, the ultimate risk is the potential breach of sensitive information such as customer data, financial records and intellectual property which would compromise the privacy of all stakeholders involved.

A Dodge Data survey shows that security concerns in the industry are growing with **39% of owners** being much more concerned about security in the next five years. This clearly signals that this is not a time for just the status quo and that program managers need to prioritize adhering to these regulations. One way is to seek out technology solutions with the following certifications:

- FedRAMP
- StateRAMP
- GSA MiSaaS
- SOC 2 Type 2

66% of owners assign high or very high value to FedRAMP certification and **61% of owners** assign high or very high value to SOC 2 certification. Even for organizations that are not government agencies and do not require FedRAMP certified solutions, many of these security levels give further peace of mind.

Program managers that demonstrate a commitment to security are more likely to attract clients who prioritize secure business relationships.

But ensuring compliance with security requirements is not just a matter of checking boxes; it is a strategic imperative. It supports the long-term success of both the program manager and clients in an increasingly interconnected and security-conscious world. What is the certification status of current systems? What information would be compromised in the event of a cyber-attack? What would that cost?

Click here to read more about [Security]

Delve Deeper with Different Portfolio Perspectives

In the construction industry, the ability to view a portfolio from multiple angles is not just a luxury; it is a strategic necessity. Construction projects are complex, involving numerous variables, stakeholders, and intricacies that can make or break the success of a project.

Too often programs are managed in separate spreadsheets with varying data fields, unable to be analyzed or provide a cohesive view of the entire portfolio. **55% of owners** report using between three and six non-PMIS solutions, while **35%** use seven or more. If there is a need to sort projects in a new way, it takes considerable time to find a path to provide this information. If a rigid system is being used, there may be some reporting capabilities, but they are limited in functionality.

It is important to be able to see various aspects of the portfolio of projects. Look for a system that can provide views dictated by all program requirements and different type of views such as:

- Breakdown of a capital program by years
- Complete set of projects being overseen by one division
- Snapshot of all the projects being done in one region

In addition to the different portfolio perspectives, look for a system that can efficiently track all information for programs and projects and has these additional capabilities:

- Comprehensive reporting for top-down and bottom-up visibility
- Vital details available quickly without having to drill into the files, saving time and effort
- Detailed information from project teams on overall project health, status and detailed notes
- Quick views of information such as change orders, project milestones, contracts, budgets, issues and other documents
- Bonus: Views can be exported to show stakeholders

Viewing a portfolio from multiple angles in the construction industry empowers program management organizations to make informed decisions, manage risks, optimize resources and drive overall project improvement. This approach improves the ability to navigate the complexities of construction projects and positions for sustained success in an ever-changing landscape.

Click here to learn more about
Hierarchical Organizational Structure

Create Synergy with Improved Collaboration

Communication is a key factor in delivering construction projects on time and on budget. Organizations are constantly investing in technology to improve communication and outcomes of programs. But **32% of organizations** report low or extremely low organizational engagement with these systems. Are clients taking full advantage of current technology solutions? How many proficient users are there?

All users should feel that systems are true collaboration tools that increase effective communication between project team members. Look for the following attributes:

- Share information between all division and stakeholders
- Keep everyone on the same page
- Store all information in a central location

The more people at an organization using the system, the better the collaboration. Based on the clients' current engagement level, is the system being fully utilized? Or has the investment gone to waste with only a few people using the tools?

Click here to learn more about [Collaboration]

Create Distinction with Unparalleled Offerings

Technological advancements shape the way we work and staying ahead of the curve is imperative. Program managers can elevate portfolio management through modern technology. Stay adaptable in a rapidly changing environment by embracing digital transformation. This is a chance to make technology the big differentiator. Gain a competitive edge with a PMIS offering.

Click here to schedule a time to meet with our dedicated Program Management team! Or visit our website for more information.