HOW TECHNOLOGIES CAN IMPROVE THE EFFECTIVENESS OF A CONSTRUCTION PROJECT MANAGEMENT ORGANIZATION
Increasingly, construction project management relies on integrated information systems to streamline the delivery of the project from inception to completion, as well as throughout the various levels of individuals and entities engaged (from designer to subcontractor). With the industry embracing enterprise portfolio management (EPM), integrated project delivery (IPD) and building information modeling (BIM), project management information systems (PMIS) that promote collaboration through cloud-based computing will become critical to maintaining your edge over the competition.

Setting up an effective organization starts with the latest integrated systems to meet your project team’s communications requirements. Seeking out stakeholders with proficiency in the use of software is a second crucial element to success. This list of PMIS offerings can increase efficiency and transparency through all levels and phases of a project, while simultaneously mitigating risk and reducing costs.

**Construction Project Management Software**

**Aconex**

Aconex provides a proficient, understandable and protected platform for project contractors, subcontractors, construction managers, consultants, owners, EPCs and program managers on which to collaborate. Aconex partners with their customers to allow project teams to work together, more efficiently and more effectively to achieve more, while cutting time and costs.

Many construction management software offerings increase project risk by isolating parties with controlled access to limited information, which in turn handicaps accountability. Aconex professes to mitigate this problem by enabling each organization to retain the rights of all of their data allowing them to set up their own rules and access rights enabling the sharing of data and affording complete and real-time access to what is needed.

To find more information about Aconex visit: [www.aconex.com](http://www.aconex.com)

**Aurigo**

Aurigo offers solutions for owners, construction managers, project managers and contractors to manage client projects. Aurigo Software Technologies main focus is to support its users for anything from project shutdown/turndowns to major construction projects.

Aurigo aids their Clients through construction projects in various industries to make them leaner and faster. Aurigo provides a variety of industries a number of solutions for stakeholders involved in capital program management development. Master-works is a cloud-based solution delivered on the Aurigo Platform. The Aurigo platform is designed for the Client to achieve success while owning their project, whatever the size of the team or build.

To find more information about Aurigo visit: [www.aurigo.com](http://www.aurigo.com)
CMiC

CMiC provides software to constructors and capital project Owner’s that offers a comprehensive solution to enable projects to be delivered by a cohesive team. CMiC boasts an integrated, cloud-based software solution that allows for their Clients to make real time decisions from any remote location in the world. Their solution was created in response to the demand for a fully integrated and cost-effective project management system for varying industries.

CMiC’s solution is designed around and intended for construction industry specific business processes. CMiC puts technology at the center of their Clients business objectives and processes to achieve successful outcomes. CMiC services contractors, specialty contractors, heavy/highway builders and capital project owners with the belief that technology solutions are an integral part of business goals, which result in increased proficiency and viability.

To find more information about CMiC visit: www.cmicglobal.com

Coins

Coins provides enterprise software and industry solutions for construction engineering, home building and property development and facilities/service management. Their software solutions enable the Client to gain control of their processes in a cost effective, proficient manner. Coins services Clients in the following industries:
- Construction and engineering,
- Home building and property development, and
- Facilities and service management.

Coins offers a balance of professional consultants, ongoing support and services for their construction industry solutions. The functionality of the software solutions that they implement focuses on business issues such as:
- Cash flow management,
- Building profitable customer relationships,
- Employee performance, and
- Process efficiency.

To find more information about Coins visit: www.coins-global.com

Coreworx

Coreworx software solutions is a web based enterprise system that provides project managers, construction managers, contractors and owners the ability to automate best practices while improving the Clients entire project lifecycle. The Coreworx system provides real-time analysis to ensure accurate, predictive project data to keep projects on schedule and within scope.

Coreworx professes to ensure the Clients existing systems are well adapted for:
- Controlled distribution of information,
- Management of asset integrity,
- Design control, and
- Configuration management

To find more information about Coreworx visit: www.coreworx.com
EADoc

EADoc's cloud-computing based construction management application is designed for facility owners and construction managers. EADoc provides a solution that is accessible via web services for various users within the construction industry. The industry segments that EADoc works with includes:

- Higher Education,
- Government Municipalities,
- Airports, and
- Water and Utilities.

EADOC offers both project management and financial management applications in their web-based system in an efficient, collaborative manner. EADOC's collaborative construction management software allows construction management professionals to track:

- Construction project documentation including RFIs (request for information), submittals, specifications, drawings, design clarifications, inspectors daily reports, special inspections, memos, meeting agendas and minutes, action items, punch lists, deficiency items, schedules, pictures, and T&M tags.
- Project financial controls include budget, funding sources, contracts, and schedule of values, pay estimate, change request, and change orders.

To find more information about EADoc visit: www.eadocsoftware.com

EcoSys

EcoSys EPC (Enterprise Planning & Controls) is a web-based platform and provides the various capabilities to support a comprehensive gamut of solutions within the Project Controls discipline. This includes anything from project portfolio management to capital program management. The focus is on budgeting, forecasting, and performance reporting.

The software enables its clients to perform collaboratively through its planning and cost control capabilities. It presents an Excel-like interface, but operates on a database with business rule enforcement, audit trail, and role-based security. The system's configurability allows users to customize spreadsheets, formulas, reports and terminology to their specific industry and market needs to create the scenario for their business.

To find more information about EcoSys visit: www.ecosys.net

e-Builder

e-Builder professes to place the owner at the center of it’s fully integrated, cloud based software solution for construction program management. The company’s product, e-Builder Enterprise, serves capital project execution to increase productivity and quality, reduce cost, and gain faster project delivery.

e-Builder’s implementation methodology is modeled after the Project Management Institute's (PMI) 5-phase project implementation approach of:

- Initiation
- Planning
- Execution
- Control
- Closure

This approach assures that there are checks and balances and allows the Client to take part throughout the process.

To find more information about e-Builder visit: www.e-builder.net
Kahua

Kahua is derived from the Hawaiian word that means "platform". The Kahua solution enables businesses to collaborate both externally and internally by "transforming" processes at match-lines (or touch-points) to each stakeholder's business processes and user needs. It also offers a platform that addresses data ownership while monitoring secure and meaningful data sets. Additionally it enables companies to extend critical functionality to each Client’s specific site and unique industry.

Applications Marketplace
Kahua presents itself as an all-inclusive application-to-community (AtC) platform solution to any number of industries on a global level. Kahua furthers business-to-business collaboration with a marketplace of applications developed by Kahua’s third-party development network dedicated to bringing new solutions to its expanding Client base. Kahua professes that this developer network of industry professionals is greater than the development team of any single software vendor available to a Client today. Some of the benefits of this approach are:
  • Greater choices,
  • Reduced software costs, and
  • Enabling the creation or purchase of applications that mirror the client’s business processes.

To find more information about Kahua visit: www.kahua.com

PMWeb

PMWeb is a team centered software solution, which provides for an integrated, collaborative system solution. They boast that over 60% of their corporate resources are devoted to activities that directly enhances their clients’ experience.

The PMWeb software solution provides global access for client’s construction and facility management project’s.

PMWeb focuses on the following solutions to deliver results to their markets:
  • CapEx planning and management,
  • Project portfolio management,
  • Facility management, and
  • Real estate management.

To find more information about PMWeb visit: www.pmweb.com

Prism

Prism is a comprehensive project and construction management platform solution to aid their Clients in the management of their portfolios and to control their project costs. The product focuses on secure document management along with an array of solutions to meet the complex needs of the markets they service.

PRISM software facilitates the effort needed to manage the project’s cost and keep the project on schedule.
  • Integration with corporate finances
  • Integration with scheduling applications including Oracle® Primavera P6 and Microsoft® Project
  • Single-source data entry
  • Meet federal government reporting requirements
  • Plan and control resources with resource staffing
  • Measure progress with configurable, milestone-based controls
  • Pinpoint potential problems with real-time forecasting and variance analysis

To find more information about Prism visit: www.prism-software.com
Proliance

Proliance is Owner and Owner-agent centered for Clients that are managing capital planning, building, and renovation processes across large infrastructure projects. Proliance is optimized for Clients that are planning and controlling cost, scope and schedule on their projects and programs, with collaborative and secure abilities on a platform adapted for the Client’s specific needs and their certain market and/or sector.

Proliance software progresses capital project and facility performance for various Clients in different sectors worldwide, by streamlining the plan-build-operate lifecycle.

To find more information about **Proliance** visit: [www.meridiansystems.com/products/proliance/](http://www.meridiansystems.com/products/proliance/)

Spitfire

The Spitfire solution addresses the growing needs of the Client’s business within their industries to provide unbroken data flow across the Client’s entire project in one project management, project accounting and financial management system.

The Spitfire integrated system is a browser-based construction project management solution focused on collaboration, cost accounting and financial accounting (with Acumatica Cloud ERP or Microsoft Dynamics SL) on a scalable, secure and user-friendly platform. Proper communication and collaboration can be expected from Spitfire to keep the Clients projects on track while maintaining security and an accurate timeline. This collaboration assures:

- Document control and imagining,
- Document and file routing, and
- File catalog and version control.

To find more information about **Spitfire** visit: [www.spitfiremanagement.com](http://www.spitfiremanagement.com)

Unifier

Oracle’s Primavera Unifier is a project lifecycle management solution for capital planning, project delivery, cost control, and facilities and real estate management. It is all encompassing across all project phases, from the planning and building stage all the way to the finish of the construction while securely, efficiently and effectively managing data, company documentation and operations and maintenance data for Clients in any number of industries.

The platform’s Business Process Automation engine incorporates:

- Cost control and project delivery and management capabilities,
- Real-time visibility across projects,
- Monitoring, visualization, and adjustment of plans based on financial forecasts
- Multi-level hierarchies to model programs, portfolios, facilities, and assets

Unifier is more of a platform than a product and should be thought of as comprehensive and adjustable to the Clients needs and necessities for their projects. The extensive platform solution is web based and accessible from any mobile device across the globe for onsite use and for real time decision-making and data gathering. The platform is browser agnostic.

To find more information about **Unifier** visit: [www.oracle.com/applications/primavera-unifier](http://www.oracle.com/applications/primavera-unifier)
Snapshots

Here are other contenders:
Listed from most popular to least popular based on Alexa rankings

- **Basecamp** – simple to use and very popular. One of many popular products that fly under the 37 Signals banner.
- **Zoho Projects** – a wide range of applications available on top of project management including CRM, calendar, chat and a wiki.
- **Freshbooks** – an invoicing application that includes time tracking, task and project management.
- **Central Desktop** – includes real time integration between Microsoft office and the central workspace.
- **Deskaway** – includes timesheets, calendar, contacts and a micro-blogging status update feature.
- **Smartsheet** – project management, CRM and other features based around using online spreadsheets.
- **5pm** – very colorful interface, and lots of features including time tracking, contacts and an iPhone app.
- **Teamworkpm** – includes time tracking, contacts and calendar.
- **activeCollab** – includes invoicing, time tracking and email reports.
- **Ace Project** – some HR and expense management features.
- **Teambox** – includes a twitter style updates feature.
- **Feng office** – includes time tracking, calendar and contacts.
- **Huddle** – integrates with Microsoft office so you can save Microsoft files directly to a shared workspace.
- **Comindwork** – includes Gantt charts, and a business wiki.
- **Nozbe** – project management based around the David Allen “Getting Things Done” methodology.
- **Harvest** – focused on invoicing and time tracking.
- **Wrike** – some unique features such as the ability to create and update tasks via email and timeline view of project plans.
- **Goplan** – includes a twitter like activity stream.
- **EGroupware** – Consists of multiple installable applications and includes a calendar app, address book, email, project management, timesheet and others.
- **Clarizen** – features include budgeting, billing, Gantt charts.
- **Hyperoffice** – has a hosted email service and contact management.
- **LiquidPlanner** – project scheduling, time tracking and lots of graphs and analysis.
- **Severa** – includes CRM and invoicing.
- **Xtrant** – is a cloud-based project platform that allows you to share files, tasks and conversations in one secure online space.

And here are a few more hopefuls:

How to Choose the Right PMIS

Confused by all of these service offerings? It can be overwhelming to wade through all of the companies that offer these varying “Project Management” software platforms. At Foresee Consulting, we can help you determine which product is compatible with your business requirements. Foresee has the experience to guide you to the right solution for your company and help you to adopt the tool for your project every step along the way.

Even the best-in-class Project Management Information System (PMIS) requires consultation from qualified professionals in order to provide the highest level of efficiency and return on investment. Our team has years of experience conducting full-scale project management services with self-hosted PMIS systems as well as SaaS (Software as a Service) models.

We are able to draw from our wealth of knowledge over the years to develop a roadmap that incorporates the most advanced technological processes with the way you do business. Our team is also very well versed in Enterprise Resource Planning (ERP) systems and can transfer information to and from your current system to align with your corporate IT strategy.

Please contact us at info@4cteam.com or by phone at (702) 818-3520 to learn how Foresee Consulting can help you integrate the right PMIS for your company.