



Burns & McDonnell

Key Facts

Company: Burns & McDonnell

Company Profile

- A global leader in design and construction
- 7,600 employees
- Headquartered in Kansas City, Missouri, USA
- More than 55 offices worldwide

Key Benefits

- Integration capabilities allow data to be created once, then leveraged throughout the project lifecycle
- This technology avoids the cost of having to retrain project teams on software tools every three to five years
- EcoSys is closely integrated with and serves as the front end to the ERP system, allowing end users to work in a more user-friendly, functional and familiar interface
- Easy configurability allows changes to be made to the system as needs change – whether from shifts in the industry or new users being onboarded due to an acquisition
- With EcoSys, employee-owners can manage project financials from anywhere, at any time

Burns & McDonnell Relies on EcoSys as Pillar Technology for Projects

Burns & McDonnell is a full-service engineering, architecture, construction, environmental and consulting solutions firm based in Kansas City, Missouri. Its 7,600 employees plan, design, permit, construct and manage facilities all over the world.

Since day one, the firm's mission has been clear and consistent — to make its clients successful. The Strategic Initiatives team contributes to that mission by implementing processes and technology throughout the company that help project teams streamline project execution. The vision of this team is to help deliver a fully integrated project lifecycle, where data is created once, and as a project progresses, it automatically flows to users when they need it. To carry out that vision, the Strategic Initiatives team began implementing technology pillars to reduce the number of software systems supported and used by the workforce.

To be a technology pillar at Burns & McDonnell, a software needs to have the flexibility and usability to work across the entire enterprise. It also needs to be scalable so the system can grow as business needs evolve. Burns & McDonnell views technology pillars as long-term investments, allowing them to leverage integration, eliminate siloed tools and avoid the pain of replacing software systems every few years.

Prior to implementing a pillar technology for project controls, Burns & McDonnell had an existing project controls system that was failing due to lack of functionality, inability to scale and difficulty of use. After pushback from end users, the Strategic Initiatives team began to search for a replacement solution.

Burns & McDonnell decided to partner with Hexagon's PPM division to make EcoSys the pillar technology for enterprise project controls because of its configurability, flexibility and ease of use. Today, all project teams use EcoSys as the front end to the ERP system to take advantage of its more familiar and functional user interface.

“You can’t run a project at Burns & McDonnell without using EcoSys first.”
– Patty Sullivan, Strategic Initiatives, Project Manager

Burns & McDonnell leverages the bidirectional integration capabilities of EcoSys to share data with other pillar systems in real time. EcoSys sends project data to the ERP system so finance can validate and make sure it meets business requirements. The data from the ERP then updates the project status in EcoSys, which also is integrated with the CRM system. Once projects that are in pursuit are won, they can easily be created and started within EcoSys.

Multiple times, Burns & McDonnell has been able to use this technology’s built-in configurability to tailor the system to meet the needs of users. For example, when onboarding a newly acquired company with different work processes, the company quickly created role-based screens and menus specific to new users without disrupting current users. After the success of EcoSys for project controls, its use has been expanded to include professional services estimating. Burns & McDonnell now considers EcoSys to be part of its critical infrastructure.

Next Steps

Burns & McDonnell plans to expand the scope of EcoSys to include resource management and will continue to leverage it as a pillar technology, connecting it with other tools and completing the vision of a fully integrated project lifecycle.

“ There’s been absolutely nothing we’ve wanted to do with EcoSys that we haven’t been able to do. If you can dream it, you can do it in EcoSys.”

Patty Sullivan

Challenges

- ⊗ Replace outdated project controls system that wasn’t user-friendly
- ⊗ Flexibly accommodate processes for 10+ industries
- ⊗ Accommodate more than 20,000 current projects while adding 500 new projects per month

Solution

- ✓ EcoSys Enterprise Project Performance software serves as pillar technology for project controls
- ✓ Business processes include budgeting, forecasting, performance management and professional services estimating
- ✓ Strategic partnership with Hexagon allows EcoSys to evolve with business needs
- ✓ EcoSys integrates with other pillar technologies to reduce the number of systems that need to be supported

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon’s PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.