CASE STUDY

CH2M adopts enterprise project controls



Company Profile

- Global engineering company that provides consulting, design, construction, and operations services
- Manages more than 3,000 projects across a wide range of industries including government, cities, transportation, water, environment, nuclear, and energy
- 5,000 clients in 50+ countries
- USD $5.4 billion in revenue

Challenges

- Project controls solution couldn't be used across business groups
- Using separate project delivery systems led to disparate data and unnecessary spending
- Enterprise-wide summary data unavailable for project cost or schedule performance
- Double data entry into multiple systems rendered project controls processes inefficient

Software to drive stronger project delivery

CH2M (now Jacobs) is a global engineering company that provides consulting, design, construction, and operations services. As a project-focused organization, CH2M understands the importance of developing strong processes and accurate, timely information to drive smarter decision making for its projects. The motivation to adopt an enterprise project controls solution came from the difficulty in achieving clear visibility into project performance across the organization as different business groups leveraged disparate project delivery systems.

Money was wasted on point solutions that couldn't be replicated. The lack of standardization - coupled with the manual effort needed to compile reports - was simply too inefficient. After an extensive industry search, CH2M adopted Octave Sequence Enterprise (formerly EcoSys), Octave's enterprise project performance (EPP) solution to standardize and automate organizational best practices across business groups and to build the information needed to drive better forecasting and smarter decision making.

Sequence Enterprise is currently used on CH2M's major projects, such as the Thames Water Tideway Tunnel program. As one of the world's largest and most complex wastewater programs, the Thames Tideway Tunnel will transform the ecology of London's river and provide the city with a sewerage system fit for at least the next 100 years. Drawing on its experience in tunneling and wastewater management, CH2M is managing the engineering, design, and delivery of the project. They rely on Sequence Enterprise for key project controls disciplines including budgeting, forecasting, change management, progress measurement, performance management such as earned value, and most importantly, timely reporting with current data.

In addition to driving success on the Tideway Tunnel project, enterprise project controls can impact the different projects CH2M works on across industries from government and cities, to transportation, water, environment, nuclear, and energy. CH2M plans to roll out Sequence Enterprise across all of its projects enterprise-wide. The solution will be a competitive differentiator for CH2M as the company looks to raise the bar in project controls across the EPC market.

Standards across divisions provide greater visibility and performance

Solutions

- Sequence Enterprise chosen to serve as its enterprise project controls technology platform
- Initially leverage Sequence Enterprise Projects' extensive built-in capabilities to achieve quick wins that deliver most of CH2M's requirements
- Use agile development process and Sequence Enterprise' native configurability to easily make incremental changes over time to workflows, reports, and dashboards
- Scalable platform delivers both organization-wide standards and flexibility to fit the needs of each project, whether large or small
- Integrate software with CH2M's Oracle ERP system and P6 scheduling system
- Enhanced change control discipline through improved tracking and approval capabilities

Benefits

- Enforcing of standards provides greater visibility to project performance, allowing better comparison across divisions and easier corporate roll-up of information
- Sequence Enterprise's project data integration and report automation shifts significant resources from building reports to doing real project controls analysis
- Variance analysis with key performance indicators (CPI, SPI, TCPI, etc.) provides project managers with leading/early warning indicators to allow for corrective action
- Sequence Enterprise supports unit rate tables in multiple rates and currencies, making project management across different geographies less complex
- The software helps to identify trends and issues that span projects and portfolios to apply historical lessons consistently to current and future projects
- The software provides power to forecast more accurately by using integrated data, best practice methodologies and what-if scenario planning
- Sequence Enterprise will be used for workforce management, enabling CH2M to match its labor needs with available resources, allocate teams according to need and track performance against estimated scheduling
- Sequence Enterprise's success at CH2M has driven an executive endorsement for mandatory enterprise project controls across the entire organization
- The software is allowing CH2M to better manage employees, improve productivity, reduce waste and drive down costs

About Sequence Enterprise

Sequence Enterprise is the global standard for Enterprise Projects Performance software. Our easy-to-use web-based platform helps organizations worldwide maximize their return on projects investment through optimizing project portfolios, controlling project costs and enabling proactive management of change.

Learn More

Contact Us

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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