AREVA, U.S.

Key Facts

Company: AREVA

Country: United States

Company Profile:

- AREVA is the global leader in nuclear energy and a major player in renewable energies

- Provides low-carbon power generation solutions for competitive and safe electricity production

- Headquartered in Paris, France; North American HQ in Charlotte, N.C.

- 48,000 employees

Products Used:
EcoSys™

AREVA INC. IMPROVES PROJECT CERTAINTY WITH EVM STANDARDIZATION INITIATIVE

AREVA, the global leader in nuclear energy, provides products and services to ensure nuclear reactor performance and safety through every stage of the fuel cycle. AREVA is also a major player in renewable energies, providing advanced technology solutions for offshore wind, bioenergy, concentrated solar power, and energy storage. The combination of offerings contributes synergistically to a reliable, economical, and low-carbon energy mix.

In the United States, AREVA Inc. anticipated a number of large and concurrent projects on the horizon and embarked on an initiative to improve project certainty across their project portfolios. Recognizing projects that range in value from $100K to many billions require different levels of project management rigor, the team established scalable Earned Value Management (EVM) processes that adjust according to project complexity. As an industry best practice, EVM techniques provide an early warning system for monitoring project performance and anticipating overruns.

After developing an EVM system description, AREVA turned its focus to implementing a software system that aligned with AREVA's established standards. AREVA implemented the EcoSys™ Enterprise Project Performance platform for controlling one of AREVA's largest engineering services projects. After a successful deployment, the U.S. project management organization (PMO) selected EcoSys as its recommended enterprise standard for project controls and EVM. Key differentiators of EcoSys are its breadth and depth of project controls capabilities, robust interfaces, and ease-of-use.

Based on AREVA's experience with EcoSys, key business stakeholders are now looking at expanding the use of EcoSys to include project opportunity management and resource supply/demand planning.

OBJECTIVES

- Leverage EcoSys to broaden EVM best practices for a wide range of projects
- Institute a culture of proactive project management through processes and tools
- Establish a single system to support AREVA's project EVM standards
- Cover a range of project types and sizes and including full support for EIA-748 EVM projects
- Give users an easy-to-use EVMS that eliminates the need for static spreadsheets and manual reporting processes
- Provide seamless cost/schedule integration between EcoSys SAP, and Primavera P6
- Support the mantra "enter data one time, in the appropriate system, at the right step."

SOLUTIONS

- Implementation of EcoSys for estimation and bid pricing, contract work authorization, project performance management, and baseline change management
- Performance analysis through both weekly progress monitoring by AREVA project controls teams and monthly performance reports for customers
- Bi-directional integration between EcoSys and SAP that synchronizes WBS, actual expenditures, purchase requisitions, purchase orders, and budgets between the systems
- Schedule and progress integration with Oracle Primavera P6 for use in performance management and reporting
- An integrated baseline change request (BCR) process that integrates with the schedule and prices and burdens costs based on rates
- A contract budget base (CBB) log that integrates through workflow with contract work authorization (CWA), work authorization requests (WAR), and control account work authorization (CAWA) processes

BENEFITS

- AREVA has been able to systematize advanced EVM practices that were previously applied to the most complex projects in order to elevate the project management maturity for a broader range of projects
- EcoSys has created visibility into the importance of project data quality and the value added by mature project management practices
- The automated integration of systems has created tremendous time-savings for analysts, who can focus attention on high value tasks like performance analysis, forecasting, and trend management
- EcoSys' ease-of-use has enabled a broader group of users to embrace EVM practices
- The ability to tailor EcoSys' configuration to support AREVA's specific business rules and processes gave AREVA the flexibility of implementing a system that didn't dictate or restrict the business process

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EcoSys was selected as the enterprise standard for project controls and EVM because of its breadth and depth of capabilities, robust interfaces, and ease-of-use.

ABOUT HEXAGON

Hexagon is a global leader in digital solutions that create Autonomous Connected Ecosystems (ACE). Our industry-specific solutions create smart digital realities that improve productivity and quality across 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 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.