

OPTIMIZED PLANT CONSTRUCTION

On-time and on-budget Capital Project Management with ENOVIA V6

Overview

Energy-related capital projects are bigger, more global and riskier than in any other industry.

Successful capital projects rely on the ability for EPCs and O/Os, throughout the project lifecycle, to dynamically assemble a loose amalgamation of data, materials, equipment, skills and expertise from functionally and geographically dispersed players, and funnel that information into a tightly-knit, unified project repository.

In turn, decision-makers have the information they need at their fingertips to deliver complex capital projects on time and on budget.

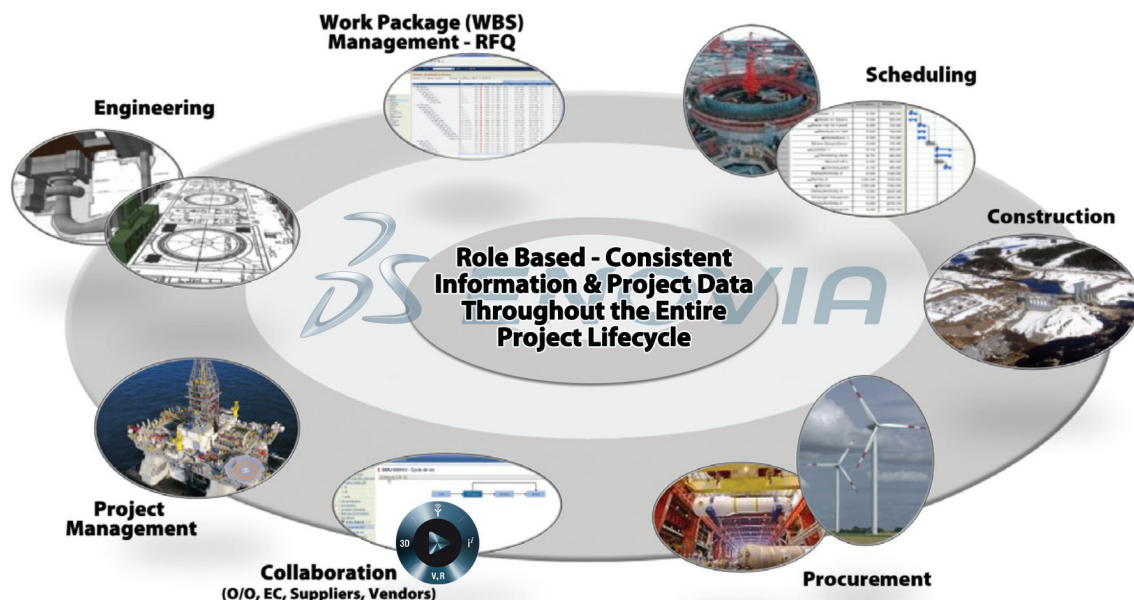
By enabling project execution excellence, Dassault Systèmes ENOVIA V6 helps energy companies optimize capital expenditures, accelerate time to first fuel, and increase return on investment (ROI).

Capital Project Planning & Execution

ENOVIA V6 manages all aspects of a project in one single system, facilitating enterprise-wide collaboration and improving productivity during all phases of a project—from design, planning and construction, through operations and decommissioning.

Project managers can focus on high value activities while real-time dynamic dashboards eliminate tedious tasks and processes. Project teams can seamlessly create, collaborate, share, and manage information globally using best-in-class templates with predefined phases, gates, and milestones.

With ENOVIA it is possible to manage the execution of all aspects of a project or program in one single system: schedules, tasks, deliverables, resources, work requests/orders/permits, metrics, dashboards, risks and issues.



Engineering Work Package Approval Planning

ENOVIA V6 enables global operations between project participants during the engineering phase, by linking engineering deliverables to the master schedule and providing the latest status of engineering progress real-time. An online document lifecycle management and digital approval process, with automated tasks notification and subscription capabilities, enables collaboration and improves engineering efficiency.

Collaborative Digital Procurement

The majority of energy capital projects will use sub-contractors for design and construction, simply because those projects are very complex and require specific expertise in different areas. In order to assist project managers and buyers to select the right suppliers, ENOVIA V6 provides a mechanism to manage vendor master data with relevant supplier qualifications, certifications and capabilities. It enables buyers to manage the requisition process with capabilities to outsource specific sub-projects and tasks of the overall project to suppliers.

During project execution, project managers can track and control several aspects of outsourced tasks ranging from cost and quality of deliverables to meeting deadlines.

Additionally, ENOVIA V6 provides vendors with access to project data, ensuring that they work with the latest information, and enabling collaboration across project owners and partners.

Summary of Benefits

ENOVIA V6 for Capital Project Management:

- Enables instantaneous visibility across all aspects of the execution of a project, for all participants, from one single data source.
- Captures work efforts and interactions in real time and consolidates project knowledge and experience, making it available for reuse.
- Facilitates handover from EPC to O/O by ensuring the integrity and availability of up-to-date information including regulatory compliance, asset tracking for maintenance and operations, and auditing for government, health, safety and environmental reporting.
- Reduces the project cycle times for O/O, optimizing capital expenditure and accelerating time to first revenues.
- Jump-starts new projects by enabling the redeployment of knowledge assets created and captured throughout the lifecycle of previous ones.
- Offers scalable and open technology capable of supporting an extended enterprise collaborative infrastructure that enables technical, engineering and construction data management

