SOLVING PROJECT MANAGEMENT CHALLENGES

- Engineering and Construction
- Project and Contract Management
- Homebuilding
Delivering Profitable Projects

As projects and contracts become more complex, companies consolidate, and global competition increases, the pressure on senior executives to take responsibility for project management and ensure project profitability is greater than ever. But poor visibility and control over project costs, risk, and performance can severely damage profitability. Particularly in hypercompetitive industries where margins get tighter every day.

Many obstacles stand in the way of profitability. The difficulty of getting timely, accurate information into the hands of all project stakeholders adds complexity and slows project delivery. A lack of access to real-time project information can lead to poor communication across project teams, including contractors, subcontractors, owners, architects, engineers, financial institutions, and government agencies. And without cross-team collaboration it can be even more difficult to bring projects in on schedule, on budget, and at a profit.

At its heart, project management is all about the bottom line—projects must turn a profit. But to deliver profitable projects, organizations need integrated tools that help them drive efficiency in day-to-day operations and take firm financial control of complex contracts.
Oracle’s Complete Solutions

Oracle’s JD Edwards EnterpriseOne project management solutions provide powerful tools for the effective, profitable management of engineering, construction, and homebuilding projects, as well as robust, specialized capabilities for managing complex contracts and the rental of capital equipment or inventory.

With comprehensive project management capabilities, from core costing and billing to advanced contract management tools, JD Edwards EnterpriseOne solutions provide complete functionality, fully integrated with Oracle’s Primavera P6, EnterpriseOne In-Memory Project Portfolio Advisor, and other EnterpriseOne applications.

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Manage Every Angle of Every Project

JD Edwards EnterpriseOne project management solutions are also integrated with each other, and with all other JD Edwards EnterpriseOne products so you can maximize the value of your investment and optimize business processes across the enterprise—driving productivity and profitability.

JD Edwards EnterpriseOne Health and Safety Management Solutions enable you to easily monitor, analyze, report, and take action on occupational incidents of all types—helping minimize incidents and keeping employees and contractors safe and productive.

The JD Edwards Human Capital Management Solutions allow you to integrate all HR and payroll activities with overall project management—helping improve employee, subcontractor, and project performance, and reduce the time and cost of administration for complex projects.

- **Minimize total cost of ownership** with end-to-end integration across the enterprise.
- **Enhance business insight** with real-time, enterprisewide drill-down capabilities.
- **Decrease overhead costs** with top-down hierarchical contract setup.
- **Increase margins** by closely managing and controlling all project-related costs.
- **Reduce costly errors** with contract controls to minimize compliance risk and auditing time.
- **Improve cash flow** with accurate billing and flexible invoicing.
- **Manage projects proactively** with real-time visibility of budgets, forecasts, and actuals.
- **Drive efficiency** by automating change-order approvals and repetitive billing processes.

**Focus On: JD Edwards EnterpriseOne In-Memory Project Portfolio Advisor**

Powered by the extreme performance of Oracle’s engineered systems, JD Edwards EnterpriseOne In-Memory Project Portfolio Advisor can gather and analyze real-time data with unprecedented speed. Gaining visibility into previously unavailable information enables faster, better-informed decisions that help boost portfolio and project profitability.
Oracle’s Industry Solutions

JD Edwards EnterpriseOne solutions are designed to meet the specific project management needs of a number of industries, including:

› Engineering and Construction
› Project and Contract Management
› Homebuilding

Read on to discover how Oracle helps organizations deliver more profitable projects by increasing operational efficiency and financial control.

LEARN MORE

- JD Edwards Project Management Overview
- JD Edwards EnterpriseOne In-Memory Project Portfolio Advisor
- JD Edwards EnterpriseOne Project Costing
- JD Edwards EnterpriseOne Advanced Job Forecasting
- JD Edwards EnterpriseOne Condition-Based Maintenance at a Glance Presentation
- JD Edwards EnterpriseOne Tools
- JD Edwards Health and Safety Incident Management Demo
- Overview Presentation on JD Edwards Asset Management Solution
- JD Edwards EnterpriseOne Environmental Health and Safety
- JD Edwards EnterpriseOne Rental Management
- JD Edwards EnterpriseOne One View Reporting for Rental Management
- Mobile Applications for Project Management
Engineering and Construction

Increased project complexity and the rigor of long-term contracts present a number of challenges for engineering and construction companies. But they also present significant opportunities for revenue growth.

However, without the ability to gather, integrate, and analyze information from multiple systems, it can be difficult to identify the right projects, execute them effectively, and close out contracts profitably. Poor visibility into project information doesn’t just impact productivity—it can increase financial risks, impede collaboration, and lead to material waste and costly schedule overruns.

JD Edwards EnterpriseOne Project Management Solutions provide a consolidated platform for integrated project and contract management. With functionality designed specifically for engineering and construction companies, JD Edwards EnterpriseOne provides ready access to real-time project information, enabling organizations to streamline complex processes, drive productivity, and find new efficiencies to improve profitability.

With accurate, integrated job costing and budgeting, automated change management controls, and expedited billing, as well as sophisticated tools for managing complex contracts, JD Edwards solutions improve visibility and efficiency at every stage of the project lifecycle to ensure profitable execution, improve forecast accuracy, and accelerate payment collection.
<table>
<thead>
<tr>
<th>Engineering and Construction Solution Highlights</th>
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<tbody>
<tr>
<td>• View integrated information across your entire organization.</td>
<td>• Gain real-time visibility into project budgets, forecasts, and actuals, including labor, material, equipment, overhead, and other costs charged to a project.</td>
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<tr>
<td>• Monitor, analyze, and control all aspects of multiple projects from single data source.</td>
<td>• Use dynamic project forecasting for a more accurate view of final costs and revenue.</td>
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<td>• Implement performance metrics for corporate visibility of project exposure.</td>
<td>• Streamline workflow for project processes to speed decision-making.</td>
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<td>• Drill down into every aspect of every project.</td>
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<td>• Deploy change management to control project scope changes.</td>
<td>• Use automated contract billing to accelerate cash flow.</td>
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<td>• Eliminate paper-based review and approval processes.</td>
<td>• Create a direct link between project costs and contracts.</td>
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<td>• Collaborate effectively with project stakeholders, subcontractors, and customers.</td>
<td>• Support multiple contract structures, including time and material, milestone, progress, and cost plus.</td>
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<td>• Proactively manage project changes.</td>
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<tr>
<td>• Benefit from full integration with Primavera P6 solutions and Primavera Contract Management.</td>
<td>• Gain complete project control and visibility with an integrated solution across financials, schedules, and site management.</td>
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<tr>
<td>• Gain multicurrency and multilanguage capabilities.</td>
<td>• Add any other JD Edwards EnterpriseOne Module when business needs change and operations grow.</td>
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<td>• Increase productivity and efficiency with mobile applications for reviewing and updating project and financial information at the project and contract level.</td>
<td>• Access and personalize transaction data into lists, charts, graphs, and tables thus simplifying the consumption of information with One View Reporting for Project Costing.</td>
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Engineering and Construction

With JD Edwards EnterpriseOne In-Memory Project Portfolio Advisor can harness the extreme data processing power of Oracle’s engineered systems to quickly make sense of huge volumes of portfolio information—providing instant, actionable insight into every angle of every project.

Oracle’s solutions help engineering and construction companies to:

• **Gain** complete, real-time visibility into all project costs, risk, and performance.

• **Streamline** project delivery and control costs with automated change management.

• **Optimize** cash flow with faster billing and reduced days sales outstanding.
Contract and Service Billing
- Direct link between project costs and contracts
- Different contract types including Time and Material, Milestone, Progress, and Cost Plus
- Contract limits
- Billing calculations including Fees and Mark Ups
- Custom Invoicing
- Recognize revenue independently from invoicing

Project Costing
- Real-time access to costs, budgets, projections
- Drill down capabilities to all aspects of a project
- Native integration of all aspects of a project (labor, subcontract, assets, work orders, expenses, service management, and manufacturing)

Advanced Contract Billing
- Contract control and auditability
- Bill out indirect costs through burdening
- Contract-specific burden rates
- Complex contract structures
- External job titles for invoicing

Complex Business Pressures
- With less resources and to calls for increased financial controls across
- Customer's needs
- How can you provide more value with less resources
- How can you manage projects with increased scrutiny
- How can you improve your financial controls across your business

Edwards Provides Single Source of Truth
- Real Time Project Performance
- Multiple Perspectives. Operational Excellence.
- Procurement & Subcontracts
- Time & Labor
- Other Direct Costs
- Capital Asset Management
- Allocations
- Budgets, Commitments, Actuals

Focused Capabilities Part 1
- Project Costing
  - Real-time access to costs, budgets, and projections
  - Drill down capabilities to all aspects of a project
  - Native integration of all aspects of a project (labor, subcontract, assets, work orders, expenses, service management, and manufacturing)

- Contract and Service Billing
  - Direct link between project costs and contracts
  - Different contract types including Time and Material, Milestone, Progress, and Cost Plus
  - Contract limits
  - Billing calculations including Fees and Mark Ups
  - Custom Invoicing
  - Recognize revenue independently from invoicing

Focused Capabilities Part 2
- Advanced Contract Billing
  - Contract control and auditability
  - Bill out indirect costs through burdening
  - Contract-specific burden rates
  - Complex contract structures
  - External job titles for invoicing

- Payroll
  - Union pay and Occupational pay rates
  - Piece rate pay
  - Timecard Automation – Overtime

- Human Resources Management
  - Competency Management – Track skills, competencies, and licenses
  - Employee mass hire and re-hire
  - Benefits by Union

- Change Management
  - Control changes to job cost, schedule, and scope
Project-driven organizations, including commercial and government contractors, must manage complicated and intricate contracts, each with its own set of terms and conditions. Project tasks must be managed effectively, resources must be optimized, and cost must be kept under control—all while ensuring projects remain aligned with the unique demands of each contract.

And with increased emphasis on accountability and compliance, there is additional pressure on project-driven organizations to provide accurate and detailed contract data and reliable audit trails. Maintaining overall profitability and ensuring individual project profitability in the face of all these pressures can be a difficult challenge.

JD Edwards EnterpriseOne Advanced Contract Billing provides a flexible, powerful solution for managing complex contracts effectively and profitably. By improving cost control, reducing the risk of errors, and streamlining intricate billing processes, it allows organizations to improve margins and cash flow while conforming to all contract terms and compliance requirements.

Tightly integrated with other JD Edwards EnterpriseOne modules, the solution delivers real-time insight into detailed contract and project information, enabling managers to make faster, better-informed decisions and manage project performance more effectively.

Oracle’s solutions help commercial and government contractors:

- **Enhance visibility** into every detail of even the most complex projects and contracts.
- **Boost profitability** with robust financial control across contract lifecycles.
- **Accelerate revenue recognition** with accurate billing and flexible invoicing.
JD Edwards EnterpriseOne Advanced Contract Billing Highlights

- Closely manage and control all costs related to a project in accordance with contract terms and conditions or company policy.
- Minimize noncompliance risk and reduce auditing time.
- Gain the ability to properly charge indirect costs to projects.
- Deploy top-down hierarchical contract setup.
- Limit costs and work performed to designated periods of performance.
- Manage billable and nonbillable costs across all elements of a project.
- Reduce accounts receivable days outstanding with accurate billing and flexible invoicing.
- Automate rebilling when overhead rates change.
- Increase visibility throughout the enterprise with real-time insight into contract and project status.
- Easily make changes to contract terms and conditions, including contract structures.
- Automate reports to validate burden rate structure.
- Drill down to individual transactions for a detailed view of every project.
- Benefit from full integration with Oracle’s Primavera and Hyperion applications, as well as all other JD Edwards EnterpriseOne modules.
- Run numerous JD Edwards EnterpriseOne applications on tablet devices.
- Add any other JD Edwards EnterpriseOne module when business needs change and operations grow.

Hierarchical Contract Structure Reduces Cost

Decrease overhead costs with top-down hierarchical contract setup.

Control contract limits at different levels within the contract

Manage varied contract terms under one contract

Manage Cost to Contract Terms & Conditions

Manage costs to contract terms and conditions.

Contract

Strict costs charged that within the period of performance for the contract

- Automatically restrict billing and revenue recognition per contract limits
- Automatically bill when contract terms change

Manage project tasks independently from contracts

Click to discover more (View PDF version)
Homebuilding

In an industry so closely linked to fluctuations in the economy, the only constant for homebuilders is change. Small variations in mortgage rates, equity markets, and unemployment figures can have a dramatic impact on builders’ revenue and profitability.

Staying competitive in this environment—as costs continue to rise and skilled resources become scarcer—requires flawless coordination, communication, and collaboration throughout the homebuilding lifecycle. To achieve this, homebuilders need efficient, synchronized business processes and clear visibility of all project information.

JD Edwards EnterpriseOne Homebuilder Management solutions give homebuilders a powerful set of tools to eliminate inefficient manual processes, take control of change management, enable greater collaboration between all stakeholders, increase customer satisfaction—and gain repeat business.

Oracle’s solutions help homebuilders:

- **Gain visibility and control** over costs and performance on every project.
- **Manage profitability** at every stage of the building cycle and at every level of the organization.
- **Create lifelong customers** with seamless collaboration and consistent product quality.

With JD Edwards EnterpriseOne Homebuilder Management, organizations can establish and manage precisely tailored product offerings, reduce repetitive data entry, and simplify the management of effective project execution. Easy access to accurate, real-time information about project performance and financials allows managers to drill down into individual transactions for greater insight and control.
**HOMEBUILDER SOLUTION HIGHLIGHTS**

- Manage sales relationships and follow customers with a single customer database.
- Effectively manage vendors and subcontractors.
- Assess the impact of pending changes (including project cost and revenue) and then route for approval via workflow-driven notifications.
- Automatically generate commitments when lot starts are identified, based on lot, plan, elevation, swing, and option preferences.
- Capture and manage all costs, including labor, equipment, materials, and subcontractors.
- Perform actual or pro forma product offering analysis.
- Use mobile applications to access data from remote sites.
- Gain multicurrency and multilanguage capabilities.
- Automatically flow information from opportunity to building lot and customer and warranty service.
- Manage profitability at the lot level.
- Control the cost and execution of project changes by efficiently creating, tracking, and implementing change requests and change orders.
- Get a bird’s-eye view of all activities with an easy-to-use lot workbench.
- Track change requests and change orders from creation through approvals and implementation.
- Gain support for bids and takeoffs, or a combination of both.
- Run all JD Edwards EnterpriseOne applications on tablet devices.
- Add any other JD Edwards EnterpriseOne module when business needs change and operations grow.

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**Edwards Homebuilder Solution Map**

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**Homebuilder Solution Map**

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**Repetitive Process Automation**

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Create a Highly Scalable Solution
the Repetitive Nature of the Homebuilding Process

- Units / Options
- Projects
- Bid Agreements & Material Purchases
- Prospects

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**Homebuilder Solution Map**

1. Production Management
2. Financial Management
3. Business Support
4. Manage Performance
5. Human Capital Management
6. Training
7. Time & Expense
8. Project Reporting
9. Warranty Management
10. Field Service Management
11. Customer Support
12. Call Center
13. Subcontract Management
14. Costing & Pricing Setup
15. Strategic Sourcing
16. Material Purchasing
17. Source And Procure Contracting
18. Development Budgeting
19. Land Acquisition & Reporting
20. Capital Planning & Budgeting
21. Structural Option Selection
22. Interior Option Selection
23. Community Option Selection
24. Change Order Processing
JD Edwards EnterpriseOne: Integrated Solutions for Project Management

JD Edwards EnterpriseOne project management solutions draw on Oracle’s complete portfolio of best-in-class technologies to address the complex challenges in project-driven organizations. Whether you start with a single component or make a complete business transformation, the innovation and integration at the heart of all Oracle’s JD Edwards solutions can help you increase visibility and control, enabling you to deliver more successful projects, more profitably.

- **Reduce TCO** with enterprisewide integration
- **Increase visibility** into every aspect of every project.
- **Keep costs down** with more effective contract setup and change management
- **Improve margins** with tighter control over all project costs.
- **Minimize risk** of errors or noncompliance.
- **Drive profitability** and accelerate revenue recognition.

**Portfolio Insight Now**

**In-Memory Project Portfolio Advisor**

**Object Management Console**

- Report across entire project portfolio
- Object financials with contract billings
- Immnarnize project portfolio (by region, by sales rep, by project type, etc.)
- Drill down across project portfolio
- Drill in chart and other project status indicators
- User-defined project metrics
- Single currency view of multi currency projects
Resources

DATASHEET

- JD Edwards EnterpriseOne Procurement and Subcontract Management
- JD Edwards EnterpriseOne Capital Asset Management (PDF)
- JD Edwards EnterpriseOne Condition Based Maintenance (PDF)
- JD Edwards EnterpriseOne Human Capital Management
- JD Edwards EnterpriseOne Human Resources Management (PDF)
- JD Edwards EnterpriseOne JD Edwards EnterpriseOne Health and Safety Incident Management (PDF)
- JD Edwards EnterpriseOne One View Reporting for Health and Safety Incident Management (PDF)
- JD Edwards EnterpriseOne Rental Management
- One View Reporting for Rental Management
- JD Edwards EnterpriseOne Equipment Cost Analysis (PDF)
- JD Edwards EnterpriseOne Resource Assignments (PDF)
- JD Edwards EnterpriseOne Self Service Human Resources
- JD Edwards EnterpriseOne Manager Self Service
- JD Edwards EnterpriseOne Environmental Accounting and Reporting (PDF)
- JD Edwards EnterpriseOne on Oracle Engineered Systems
- JD Edwards EnterpriseOne In-Memory Project Portfolio Advisor
- JD Edwards EnterpriseOne Mobile Applications for Project Management
- JD Edwards EnterpriseOne Project Costing
- JD Edwards EnterpriseOne One View Reporting for Project Costing
- JD Edwards EnterpriseOne Advanced Job Forecasting
DEMOS AND VIDEOS

- JD Edwards EnterpriseOne on the iPad Demo
- JD Edwards EnterpriseOne One View Reporting Demo
- JD Edwards EnterpriseOne Watchlist Demo
- JD Edwards User Experience on the iPad Demo

LEARN MORE

- JD Edwards In-Memory Applications
- JD Edwards via Oracle Managed Cloud Services
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