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ProjectVIEW ERP

Cost Monitoring Solution

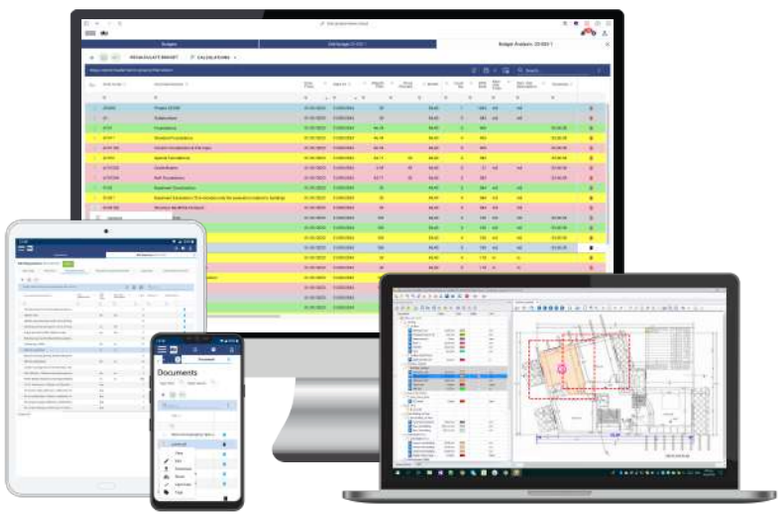
Shipbuilding Software Suite

Revolutionizing Shipbuilding and Repairs Industry (SBR) with ProjectVIEW ERP

SBR operations is a symbiosis of fabrication and construction on the job-basis. ProjectVIEW ERP enables aggregate use of resources and complete control for all fabrication, outfitting and erection processes throughout vessel or boat engineering lifecycle from building, conversion, alteration to maintenance and repair.

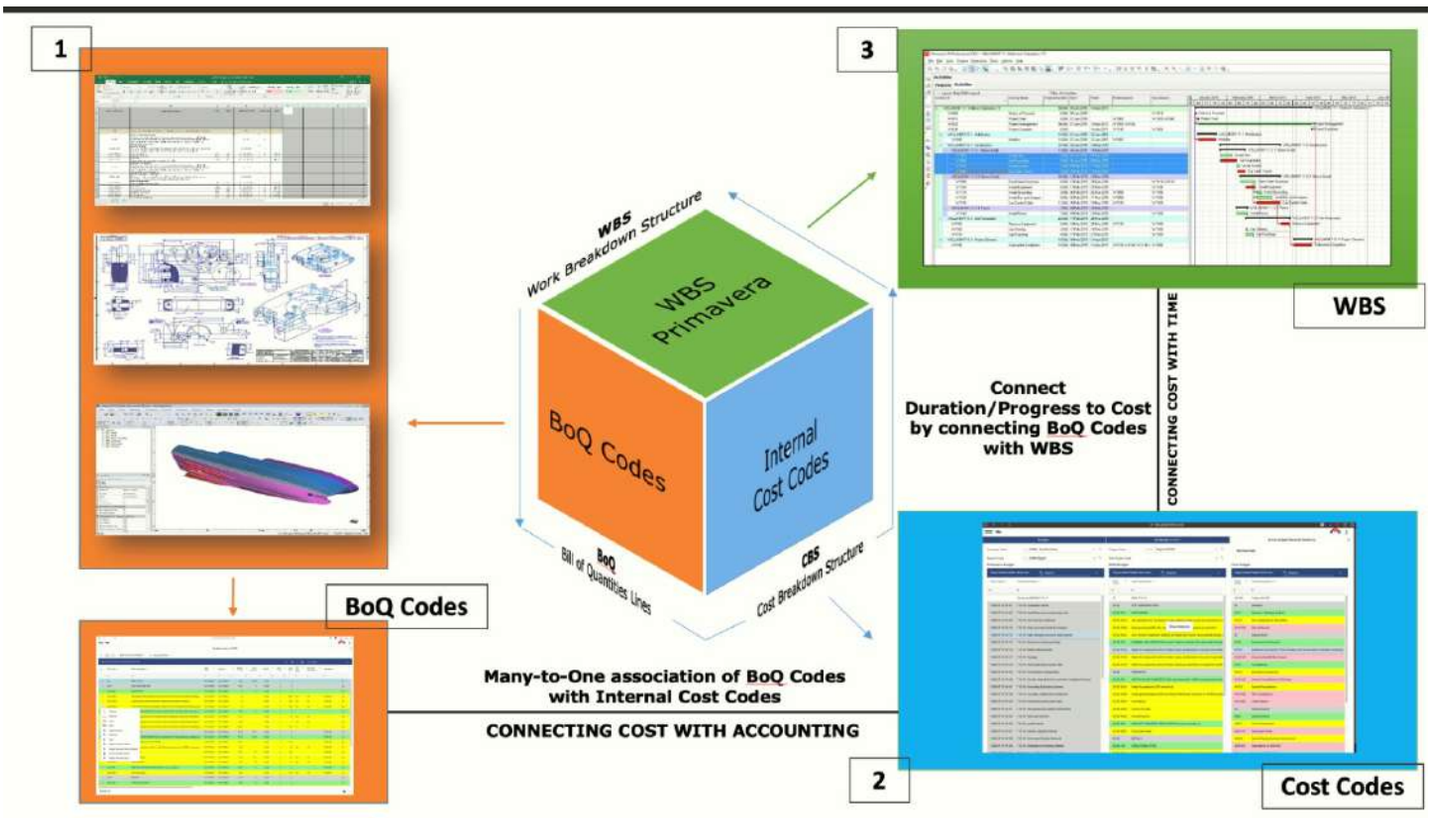
With a strong focus on cost control, compliance with specifications, & adherence to scheduled progress, ProjectVIEW ERP ensures successful Marine Project Management.

Integrated with naval engineering and shipbuilding design tools like Maxsurf and ShipConstructor, as well as scheduling software such as Oracle P6 and MS Project, ProjectVIEW ERP provides yard and office Operations Management by associating BoQ ↔ WBS ↔ Cost Codes to all Operational, Financial and Commercial processes.



Take Control of your Shipbuilding and Repairs Operations

Leveraging the Group Technology (GT) methodology, ProjectVIEW ERP integrates budgeting, procurement, scheduling, and costing activities with overall project deliverables and critical timelines. This allows both the shipowner and shipbuilder to identify potential construction or logistical delays early, enabling them to take corrective actions before the overall vessel construction schedule is impacted. The system enhances transparency in planning & allows both parties to make real-time adjustments.



10. Customers Account Receivables

- Customer Master File / Customer Contracts
- Customer RFI and Certifications
- Financial Entries
- Customer Financial Reports
- Accounts Receivable per project
- Customer Contract based on BoQ
- Claims and Variations
- Contract versioning based on variation
- Customer RFI Creation/Approval
- Customer Certification with Retentions

9. Suppliers Account Payables

- Vendor Master File
- Financial Entries
- Suppliers Financial Reports
- Accounts Payable per project

8. Accounting - Finance Management

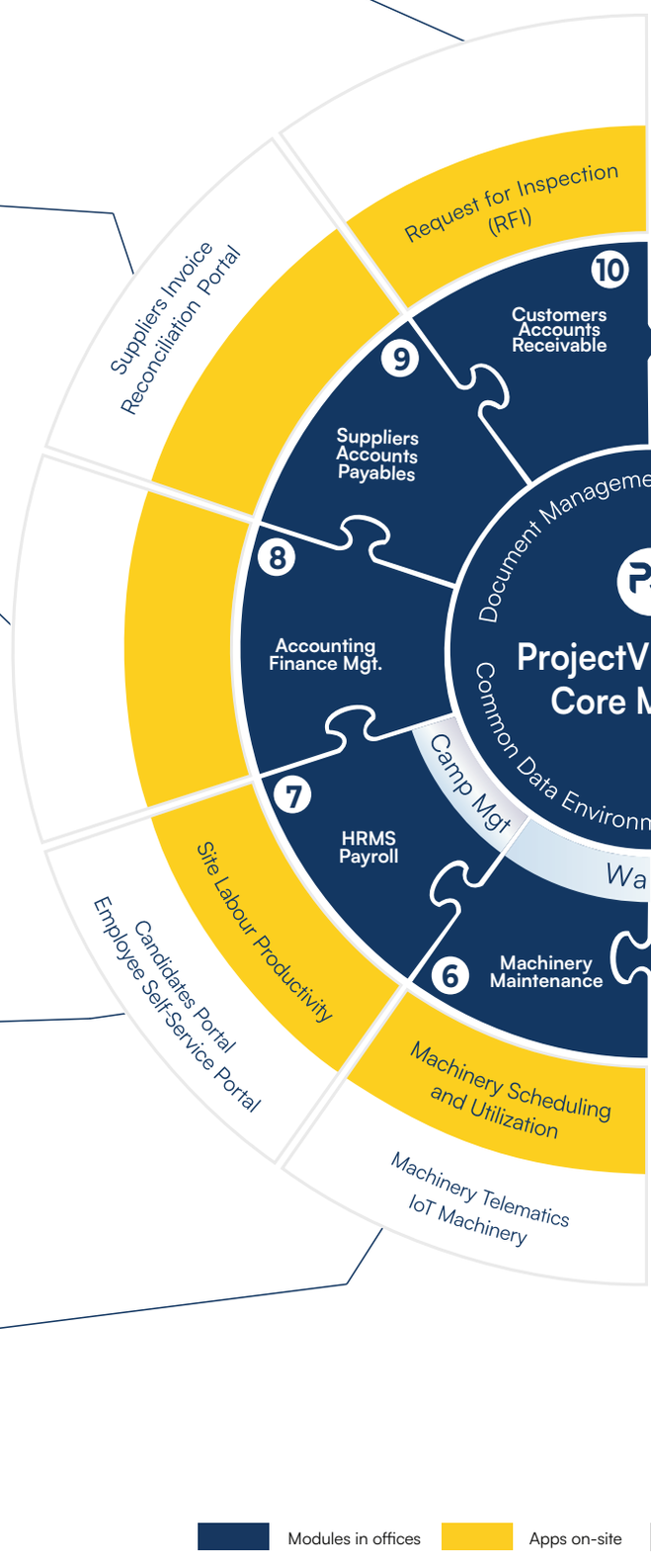
- Accounting Reports per Project
- Accounting Budgeting for Company/Project
- Profit and Loss per Project
- Consolidated Trial Balances
- Aging analysis
- Payment Approval process
- Treasure Management
- Cashflow monitoring per Company/Project
- Petty Cash liquidation
- Assets Management and depreciations
- Automatic Banks' reconciliation process
- Cheques and PDC monitoring
- LOC monitoring
- Checklist for necessary Contract Documents
- Bonds expiration monitoring
- KPIs for Financial Management

7. HRMS - Payroll

- Import Master Data with user-defined fields
- Multi Specialty Assignment
- Employees/Labor Documents Control with Alerts
- Labor productivity associated with BoQ/WBS
- Camp Management
- Multi-country payroll
- Allowances and Benefits
- Overtime approvals process
- Annual Leave and End-of-Service calculation
- Forecast labor compensation costs
- Job Recruiting Portal
- Labor cost accruals calculation
- Employee Self-Service Portal

6. Machinery Management

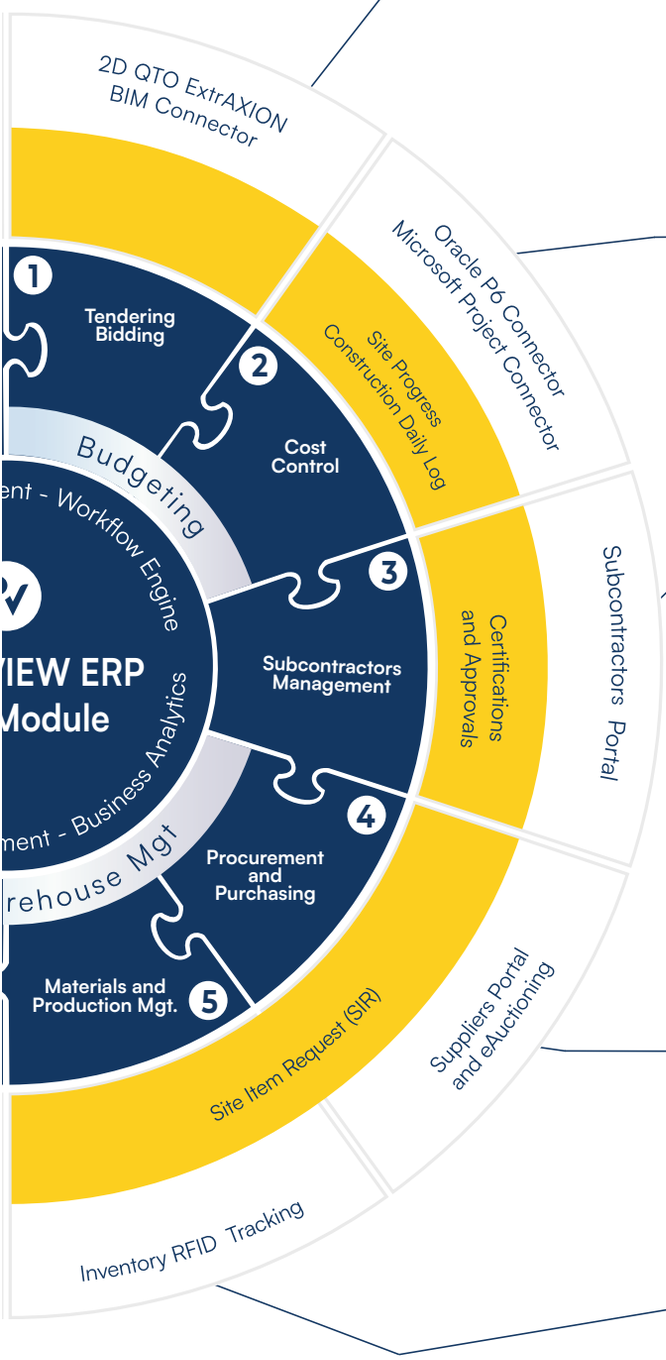
- Record Machines/Assets Technical Specs
- Calculation of hourly cost for work and idle
- Association of Machinery with Assets
- Assign Machineries to Employees/Operators
- Machinery Site Request
- Machinery Scheduling/Booking based on Availability
- Machinery Logistics/Mobilization to Sites
- Corrective/Preventive Maintenance
- Spares Management - Procurement
- Daily Machinery Utilization — BoQ related
- Subcos Machinery Monitoring
- Machinery Calendar-based Management
- Machinery Telematics



ProjectVIEW ERP
Cost Monitoring Solution

0. ProjectVIEW Core

- Company | Branch | Projects | Subproject | Unit
- Multi-language, Multi-Currency, Multi-Projects
- Users/Roles/Groups Access Control
- Workflow, Business Process Management
- User-defined Menu Screens
- Business Analytics Dashboards | Dynamic Reports
- Document Management (DMS)
- Common Data Environment (CDE)



1. Budget Estimation - Bidding

- Import/Export BoQ from/to Excel Template
- Create New BoQ subitems as nested lines
- Associate Cost Recipes — Resource Allocation
- Update Materials/Subcos database via Procurement
- Forecast Inflation-based Materials Cost
- Allocate Indirect Budget Costs
- Any BIM Connector/Viewer
- Apply Overhead/Risk/Profit
- What-if/What-Will Bidding Scenarios
- Multiple Budget Versions (BoQ Versions)

2. Cost Control

- Associate BoQ ↔ WBS ↔ Cost Codes
- Seamless Integration with Oracle P6/MS Project
- Multi-Projects Cost Control & Cashflow Management
- Resources Allocation/Scheduling/Management
- BoQ Weight Percentages - Project Management KPIs
- Cost Management multi-level drill-in Analysis
- Multiple BoQ/WBS Versions/Claims & Variations
- Capture real site data for Progress, Labor, Plant, Subcos
- Materials consumption (SIR - MRF)
- RFI Process - Revenue Management
- Actual vs Budgeted Cost based on EV

3. Subcontractors Management

- Contract creation directly from Orders
- Subcontractors Cost Control on all Resources
- Calculation of Retentions/Deductions with VAT
- Handling materials deductions on behalf of
- Contract Versioning
- Subcos Certifications — Auto Progress Update
- Creation of Interim Payment Certificate (IPC)
- Direct Transfer to Cost and Accounting
- Subcos electronic submittals via Portal

4. Procurement

- Materials multi-measurement Units
- Grouping Materials for Consolidated Enquiries
- Solicit and Update Cost DB during Estimation/Budgeting
- Store and Search for Materials historical prices
- Compare Cost of Subcos and own Resources
- Transform SIR to MRF/Requisition
- Autoselect Suppliers per category/history/type etc.
- Send RFQ with attached PDFs/Excels
- Procurement Documents Repository
- Auto-import Suppliers' Excel Quotations
- eRFQ invitation to Suppliers/Subocs based on BoQ/WBS
- Multicriteria (Quality/Cost) Evaluation
- Generate blanket (framework) Agreements
- Quotation Ordering with Historical information
- Order Creation and Order Versioning
- e-Auctioning
- Inform related users/roles after Ordering
- Automatic Send Order to Supplier/Subco

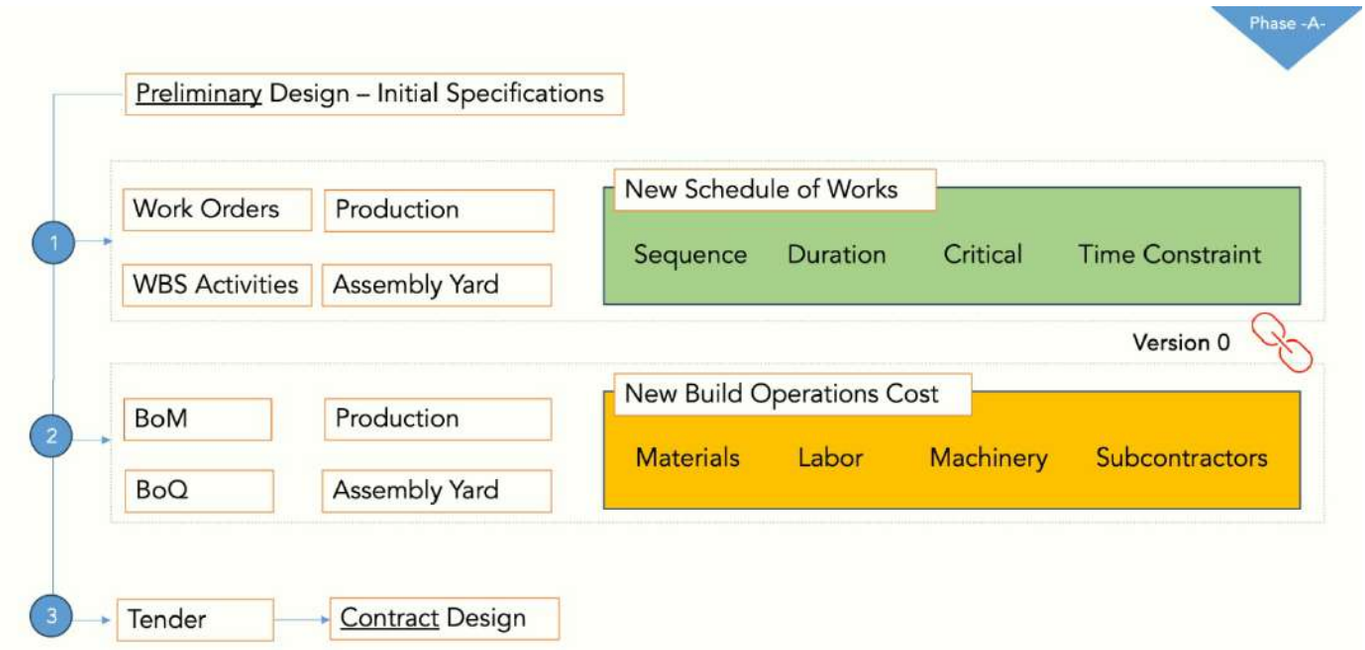
5. Materials & Production Management

- Site Item Request (SIR) based on Budget
- Warehouse Stock Inspection
- Transform SIR based on Existence (SIV-MRF)
- Creation GRN based on Order
- GRN to Cost for direct consumed materials
- Transform Internal Order to SIV & Transfer Materials Project to Project
- Materials Serial No and Logistics Management
- Monitor Expiration Date of Materials
- General and BoQ-based Production Planning
- Production Phases in sequence or parallel
- Define Phase method with Semi/Input/Output
- Assign specialties or each Phase & machinery types for each Phase
- Assign general expenses and Subcos & Check availability and assign resources
- Monitor labor based on machinery availability
- Cost calculation of the final production unit
- Compare planning vs actual cost vs resources
- Monitor production per BIM object/entity

Addons/Extras Foundations

Take Control of your Shipbuilding and Repairs Operations.

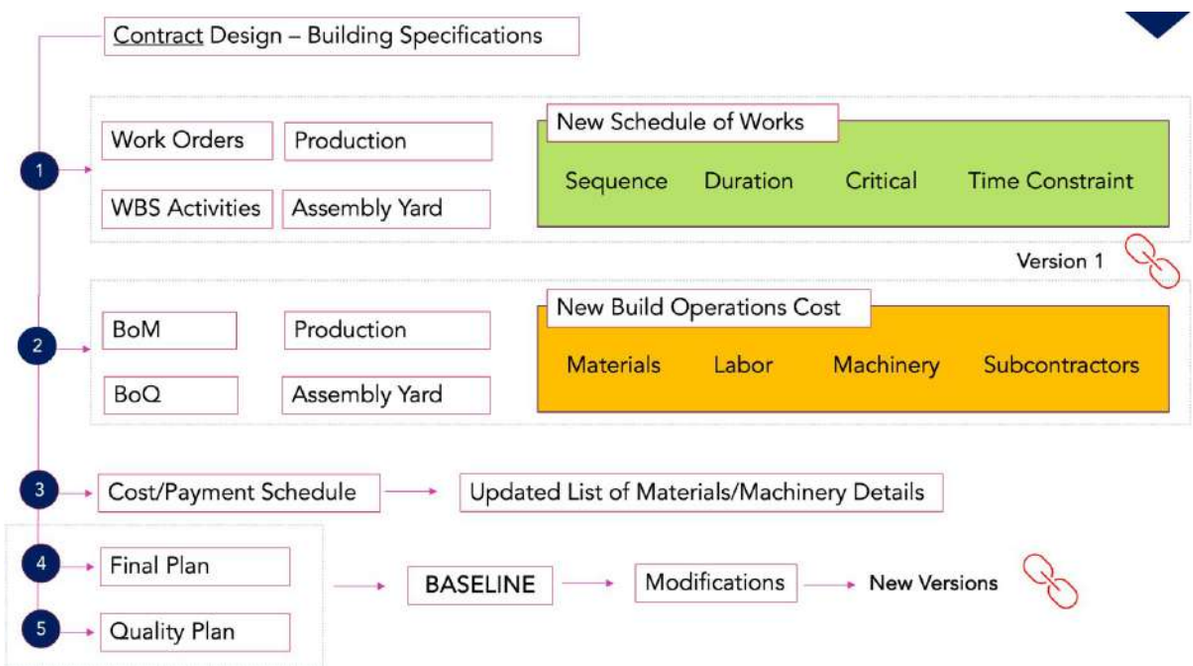
- Estimate, Plan and Manage Shipyard Operations (Rough-Cut Capacity Planning).
- Manage Yard Operations and Shop Production (machining) - Fabrication (Master and Aggregate Production Planning).
- Collaborate with Clients and Suppliers to assure Quality of Service.
- Manage the changes and assure acceptance with automated approvals Workflows to the Client.



Fast delivery times for Shipbuilders and Shipowners

ProjectVIEW ERP assists in meeting deadlines vital for maintaining profitability, minimizing risks, and staying competitive in the global market. By integrating procurement, production scheduling, and resource allocation into one platform, system helps shipbuilders optimize workflows forecasting potential resource shortages, allowing shipbuilders to adjust plans to avoid bottlenecks and ensure timely project completion.

ProjectVIEW ERP ensures that Shipbuilders and Shipowners identify and address issues via predictive cost analysis avoiding budget overruns and ensuring that the project stays within financial constraints.



Why ProjectVIEW ERP is Ideal for Shipbuilders?

End-to-End Project Management:

ProjectVIEW ERP offers a complete suite of tools to manage shipbuilding, ship repairing, dry docking, expedient works, and riding crew services throughout the vessel's lifecycle. From initial design and procurement through construction & delivery, the seamless integration of processes ensures that shipbuilders can stay on top of every aspect of the vessel creation and service process.

Stakeholders Common Data Environment:

Our Document Management Module (DMS) allows stakeholders to securely distribute digitally designs, quality and inspection documents, control versions and ensure compliance with project requirements, while tracking ongoing changes and alleviating disputes.

Dock and Shipyard Management:

Optimize docks and yard space availability by aligning construction demands with building and drydocking schedules, providing real-time visibility, forecasting, resource management, and cost control.

For information on ProjectVIEW ERP please contact:
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Headquartered in Dubai, UAE, DANAOS Projects Software Solutions LLC (DANAOS Projects) is a tier-one, construction-specific ERP Software Provider that empowers contractors to stay competitive in changing & volatile marketplace placing ProjectVIEW ERP at the core so they can achieve operational excellence, drive profitability, and contribute to building a better, more sustainable future.

DANAOS Projects empowers construction, mining, quarrying, offshore - marine construction, and shipbuilding and repairing companies worldwide to optimize construction operations, control costs, and enhance efficiency utilizing the award-winning ProjectVIEW ERP.





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