

ORACLE®
PRIMAVERA

Rid the World of Project Failure



ORACLE®

Strumenti Oracle a supporto dell'analisi dei rischi di progetto

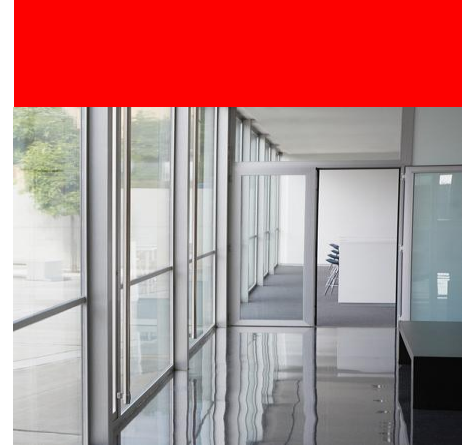
Stefano Lentini, Principal Sales Consultant

Oracle Primavera Global Business Unit

Milano, 3 Ottobre 2013

Agenda

- Oracle Primavera EPPM
- Enterprise Risk Register
- Integrated Risk Analysis
- Enterprise Risk Visibility
- What's next
- Q&A



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Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decision.

The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

New Primavera Footprint

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Oracle Business Intelligence Analytics & Reporting

Primavera Unifier

- Capital planning
- Cost control
- Change control
- Submittals & RFIs
- Facility Management
- Real Estate Management

Primavera P6 EPPM

- Project Management
- Planning & Scheduling
- Progress and Statusing
- Risk Management
- Resource Management
- Portfolio Management

Risk Analysis

- Simulation
- Monte Carlo
- Cash Flow Analysis

AutoVue

- Document Visualization and Collaboration

Standards-based Open Platform

Primavera API, Web Services & Event Enablement

Primavera Gateway

SAP, E-Business, JDE, PeopleSoft, Fusion, UCM, UPK, EAM, Agile PLM

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Primavera EPPM – Risk Management

The screenshot displays the Oracle Primavera P6 Risk Register and Response Plans interface. The top navigation bar includes 'Dashboards', 'Portfolios', 'Projects', and 'Resources'. The main content area is titled 'Risks of Harbour Pointe Assisted Living Center' and contains a table of risks. Below the risk table is a 'Response Plans' section with a table of response actions for risk R001.

ID	Name	Type	Status	Owner	Probability	Schedule	Cost	Score
R001	Concrete supply constrained	Threat	Active	Concrete Foundation Subco...	H (50% to 70%)	H (20 to 40)	L (\$45,000.00 to...	28
R002	Site access restricted for 2 weeks	Threat	Open	Project Managers	VH (70% or higher)	M (10 to 20)	H (\$150,000.00 ...	36
R003	New roof coating cuts roof install time	Opportunity	Open	Roofing Subcontractor	H (50% to 70%)	M (10 to 20)	VL (Up to \$45,0...	14
R004	Poor ground conditions	Threat	Open	Project Managers	L (10% to 25%)	L (5 to 10)	L (\$45,000.00 t...	9
R005	Failed electrical inspection	Threat	Rejected (Closed)	Electrician	VL (Up to 10%)	L (5 to 10)	VL (Up to \$45,0...	1
R006	Weather delay due to unusually wet wther	Threat	Active	Project Managers	H (50% to 70%)	M (10 to 20)	VL (Up to \$45,0...	14
R007	Contractor financial instability	Threat	Managed (Closed)	Project Managers	M (25% to 50%)	M (10 to 20)	H (\$150,000.00 ...	20
R008	Pre-cast structure out of spec	Threat	Proposed	Concrete Foundation Subc...	L (10% to 25%)	VH (40 or higher)	M (\$90,000.00 t...	24
R009	Permit delay	Threat	Rejected (Closed)	Project Managers	VL (Up to 10%)	H (20 to 40)	L (\$45,000.00 t...	4

Active	ID	Name	Response Type	Owner	Status	Start D
<input checked="" type="checkbox"/>	R001-RP01	Spend contingency funds to cover higher rates	Accept			
<input checked="" type="checkbox"/>	R001-RP02	Contract with alternative suppliers	Reduce			

Integrated Risk Response Planning

• Risk Register

- Industry standard risk identification & assessment
- Moves risk management out of Excel & into the system of record
- Single / Multiproject
- Project and Activity level
- Risk Exposure calculation

• Risk Response Planning

- Create multiple response plans with detailed actions
- Link Actions to Project Activities
- Create an active risk management feedback loop

EPPM - Risk Management

- Configurable Risk Scoring Matrix, Cost, Schedule and custom thresholds (e.g. Quality, Safety,...)
- Risk Categories, User Defined Fields

Enterprise Data

Risk Scoring Matrices

Name	Matrix Size	Probability Threshold	Impact Thresholds	Tolerance T
Harbour Pointe Risk Scoring Matrix	5 x 5	Harbour Pointe Probability Threshold	Harbour Pointe Cost Threshold, Harbour Pointe Sche...	Harbour Pointe Toleranc
Cordova Risk Scoring Matrix	5 x 5	Cordova Probability Threshold	Quality Threshold (5 level), Cordova Cost Threshold...	Cordova Tolerance TI
Tech Projects Risk Scoring Matrix	3 x 3	Tech Projects Probability Threshold	Tech Projects Cost Threshold, Tech Projects Sched...	Tech Projects Toleranc
Maintenance Risk Scoring Matrix	5 x 5	Maintenance Probability	Maintenance Cost Impact, Maintenance Schedule Im...	Maintenance Toleranc
New Risk Scoring Matrix	5 x 5	Maintenance Probability	Maintenance Cost Impact, Safety Threshold (5 level)...	Maintenance Toleranc
Matrice rischi SLENT	5 x 5	Probabilità rischio	Impatto Costi rischio, Impatto Tempi rischio	Tolleranza Rischio

Probability and Impact Diagram

Probability	Severity 1	Severity 2	Severity 3	Severity 4	Severity 5
Very High	6	12	18	36	72
High	4	7	14	28	56
Medium	3	5	10	20	40
Low	2	3	6	12	24
Very Low	1	1	2	4	8

Probability

Code	Name	Rar
VH	Very High	>70%
H	High	>50%
M	Medium	>25%
L	Low	>10%
VL	Very Low	<=10%
N	Negligible	

Impacts

Type	Name	Severity 1	Severity 2	Severity 3	Severity 4	Severity 5
Schedule Impact by value	Harbour Pointe Schedule Threshold	<=5	>5	>10	>20	>40
Cost Impact by value	Harbour Pointe Cost Threshold	<=45,000.00	>45,000.00	>90,000.00	>150,000.00	>300,000.00
User-defined Impact	Safety Threshold (5 level)	Slight Injury / First Aid	Minor Injury	Major Injury	1 to 3 fatalities or PTDs	Multiple (more than 3) fata...

EPPM - Templates

- Help establish and share best practices
- Speed-up and standardize new project or wbs creation
- Created ex-novo or from actual successful projects

The screenshot displays the EPPM Template creation interface, split into two panels: General and Advanced.

General Panel:

- Instructions: "Enter or select values in the required fields (*) below. Optionally choose a project or template to use as the basis for the new template, then click the Advanced tab to choose data types to copy."
- Fields:
 - Template ID *: NEWBUILD_D1
 - Template Name *: New Building Project
 - Description: (Empty text area)
 - EPS *: Engineering & Construction
 - Responsible Manager *: E&C
 - Copy from existing project or template: City Center Office Building Addition
- Options:
 - Use Actual Costs and Units
 - Use Planned Costs and Units
- Footer: * required fields

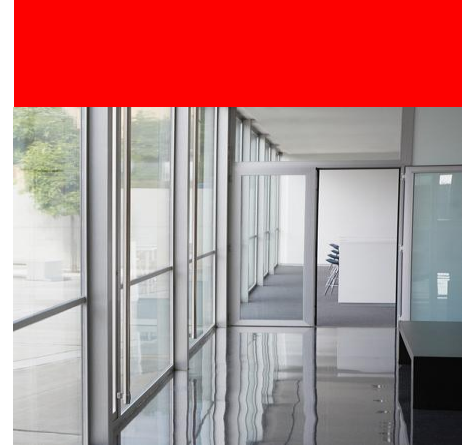
Advanced Panel:

- Instructions: "Choose the project data to copy to the new project."
- Table of data types to copy:

	Include
<input checked="" type="checkbox"/> Project & WBS Data	
Documents	<input checked="" type="checkbox"/>
Funding Sources	<input type="checkbox"/>
Issues	<input type="checkbox"/>
Risks	<input checked="" type="checkbox"/>
Activities	<input checked="" type="checkbox"/>
Notebooks	<input checked="" type="checkbox"/>
WBS Milestones	<input checked="" type="checkbox"/>
High Level Resource Planning Assignments	<input checked="" type="checkbox"/>
Reports	<input checked="" type="checkbox"/>
Summary Data	<input type="checkbox"/>
<input checked="" type="checkbox"/> Activity Data	Include
Activity Codes	<input checked="" type="checkbox"/>
Expenses	<input checked="" type="checkbox"/>
Notebooks	<input checked="" type="checkbox"/>
Relationships	<input checked="" type="checkbox"/>
Resource and Role Assignments	<input checked="" type="checkbox"/>
Steps	<input checked="" type="checkbox"/>
Financial Period Data	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Baselines	Include
No baselines exist for the selected project.	

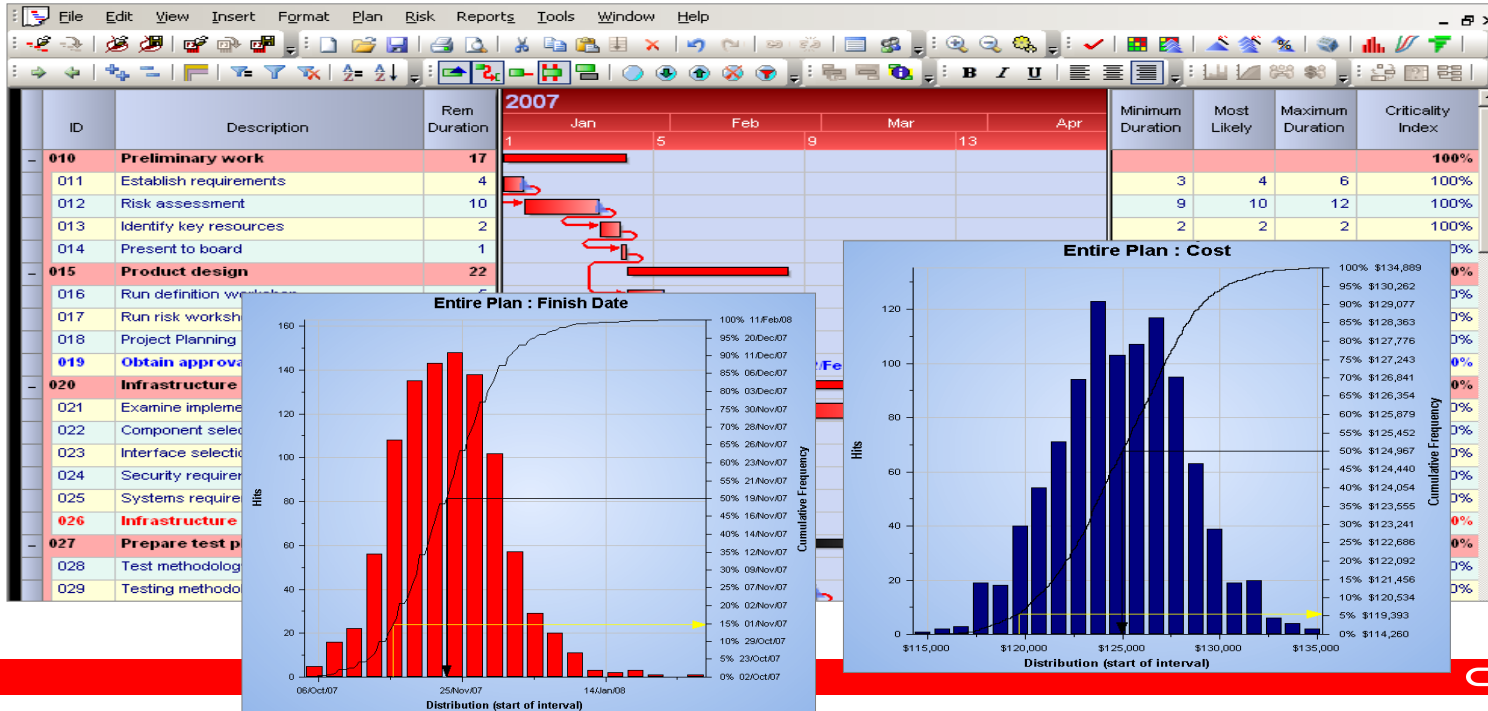
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- Oracle Primavera EPPM
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- **Integrated Risk Analysis**
- Enterprise Risk Visibility
- What's next...
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Primavera Risk Analysis Tool

- Multi-Point Activity Analysis
- Simulations using Montecarlo method
- Pre/post mitigation Analysis & Cash Flow calculation



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Enterprise Risk Visibility

- Leverage P6 Analytics Business Intelligence to analyze Risk Data
- Drill-down directly into P6 EPPM for details and actions

Detailed Risk by Location

Country	Project Id	Risk Score	Risk Exposure	Risk Name	Risk Type	Risk Status	Link to Risks
Australia	EC00610	119.00	\$334,875	Concrete supply constrained	Threat	Active	Project Risks
				Poor ground conditions	Threat	Open	Project Risks
				Site access restricted for 2 weeks	Threat	Open	Project Risks
				Weather delay due to unusually wet weather	Threat	Active	Project Risks
China	PROD00414	42.00	\$61,563	Client / User Involvement	Threat	Proposed	Project Risks
				External Business Impacts	Threat	Proposed	Project Risks
				Product Scope Creep	Threat	Proposed	Project Risks
				Product/Technological Complexity	Threat	Proposed	Project Risks
				Sales Management Buy-in	Threat	Proposed	Project Risks
				Staff Turnover	Threat	Proposed	Project Risks
				Unrealistic Expectations	Threat	Proposed	Project Risks
				Delivery delay	Threat	Proposed	Project Risks
				Fabrication delays	Threat	Proposed	Project Risks
				Line debugging issues	Threat	Proposed	Project Risks
Spain	MFG00772	24.00	\$47,250	Client / User Involvement	Threat	Proposed	Project Risks
				External Business Impacts	Threat	Proposed	Project Risks
				Scope Creep	Threat	Proposed	Project Risks
				Senior Management Buy-in	Threat	Proposed	Project Risks
				Staff Turnover	Threat	Proposed	Project Risks
United Kingdom	IT00351	39.00	\$56,875	Client / User Involvement	Threat	Proposed	Project Risks
				External Business Impacts	Threat	Proposed	Project Risks
				Scope Creep	Threat	Proposed	Project Risks
				Senior Management Buy-in	Threat	Proposed	Project Risks
				Staff Turnover	Threat	Proposed	Project Risks
United States of America	NRG00870	112.00	\$43,725	Technological Complexity	Threat	Proposed	Project Risks
				Unrealistic Expectations	Threat	Proposed	Project Risks
				Difficulty troubleshooting alarm issue	Threat	Proposed	Project Risks
				Extensive leak repair	Threat	Proposed	Project Risks
				Lack of skilled labor	Threat	Proposed	Project Risks
Valve installation issues	Threat	Proposed	Project Risks				

Risk Exposure by Location

ORACLE Primavera P6

Risks of Harbour Pointe Assisted Living Center

ID	Name	Type	Status	Owner	Probability	Schedule	Cost	Score
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R009	Permit delay	Threat	Rejected (Closed)	Project Managers	VL (Up to 10%)	H (20 to 40)	L (\$45,000.00 L...	12

Response Plans

Active	ID	Name	Response Type	Owner	Status	Start C
<input checked="" type="checkbox"/>	R001-RP01	Obtain contingency funds to cover higher rates	Reduce			
<input checked="" type="checkbox"/>	R001-RP02	Contract with alternative suppliers	Reduce			

Response Plans | Activities | Description | Cause | Effect | Notes | Probability and Impact Diagram

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P6 EPPM Risk Management Planned Enhancements

As per Oracle policies, future product roadmaps cannot be published over the Internet or any other media.

We will be happy to share these information directly with our existing Customers.



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