

SAP xApp Resource and Portfolio Management (SAP xRPM)

Version 2.0

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Outline

- Challenges Facing Project Organizations
- SAP xRPM Product Overview
- SAP xRPM Architecture
- SAP xRPM Customer Successes
- Information and Contacts



Pain Points in Project-based Organizations

- Lack of Strategic Alignment
- Underestimation of cost, time and capacity
- Incomplete statement of requirements

Project Portfolios Initiating Planning Executing Controlling

- Incomplete overview on all planned and proposed projects
- Insufficient project registration

- Insufficient monitoring of all KPIs of project portfolios
- Lack of Strategic Alignment

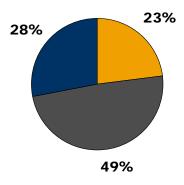


Example: How Billions are Lost Annually in IT

23% Successful projects

49% Challenged projects

28% Impaired/Cancelled projects



Successful Projects (23%):

- Project is completed on-time and on-budget
- With all the features and functions as initially specified

Challenged Projects (49%):

- Project is completed and operational
- Over-budget (~180%, resulting in \$55 billion in losses)
- Over the time estimate
- Offers fewer features and functions than originally specified

Impaired/Cancelled Projects (28%):

- Project is canceled at some point during the development lifecycle
- Resulting in about \$80 billion in losses



Why implement a Project Portfolio Management System?

Project Portfolios Initiating Planning Executing Controlling

Manage the Complete Project Portfolio

- Aligned with strategy?
- Will meet business performance targets?
- What is the future demand for resources and what is the capacity?

Increase Visibility

- Aggregate information for Management
- Drill down to individual projects

Enable Communication

- Top to bottom (strategy)
- Bottom up (escalation)

Enforce Governance

 Project registration and enforcing an enterprise decision-making process for approving projects



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SAP xRPM -- Introduction



SAP xRPM delivers the foundation for strategic project portfolio management by combining financial, strategic and operative aspects across your entire project portfolio.

SAP xRPM enables you to:

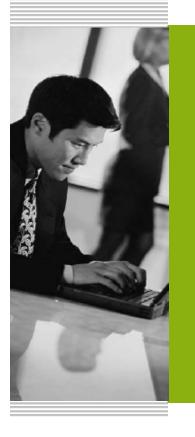
- Align your entire project portfolio with corporate objectives through simulation and prioritization
- Monitor the performance of your portfolio through increased visibility into projects across the entire enterprise
- **■** Forecast resource demand
- Identify and deploy the right resources
- Make fact-based decisions
- Maximize return on existing assets





Project Portfolio Management: Key Capabilities

SAP offers a complete suite of components that allows to manage all aspects of project-and portfolio management

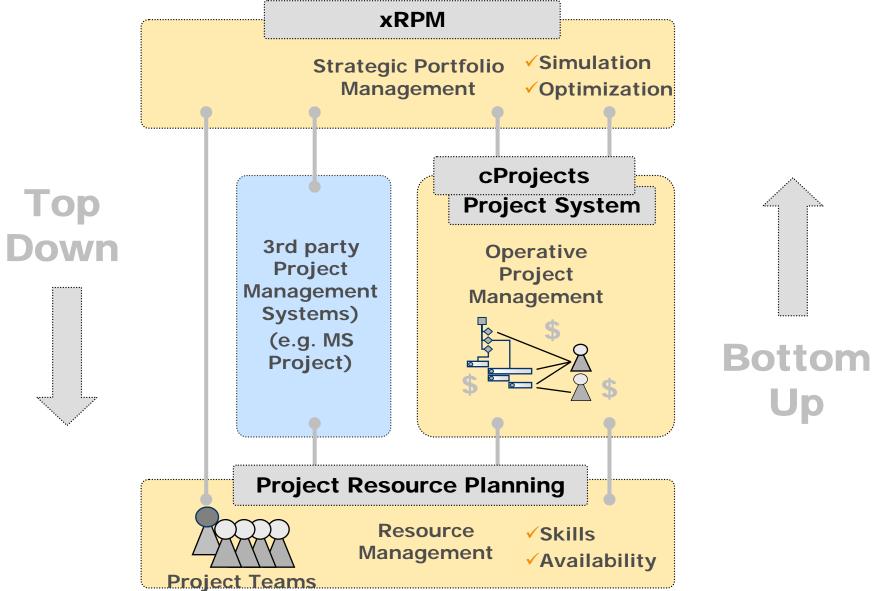


Key Capabilities

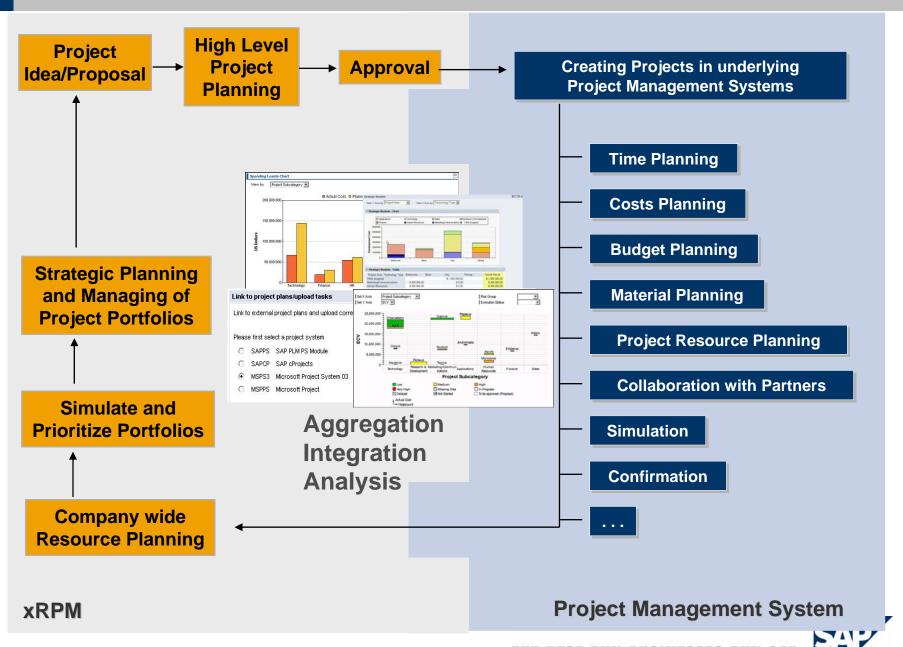
- **■** Portfolio Management
- Project Planning and Scoping
- **■** Resource and Time Management
- Project Collaboration
- Project Accounting
- Project Procurement



Project Portfolio Management with SAP



Project Portfolio Management with SAP xRPM



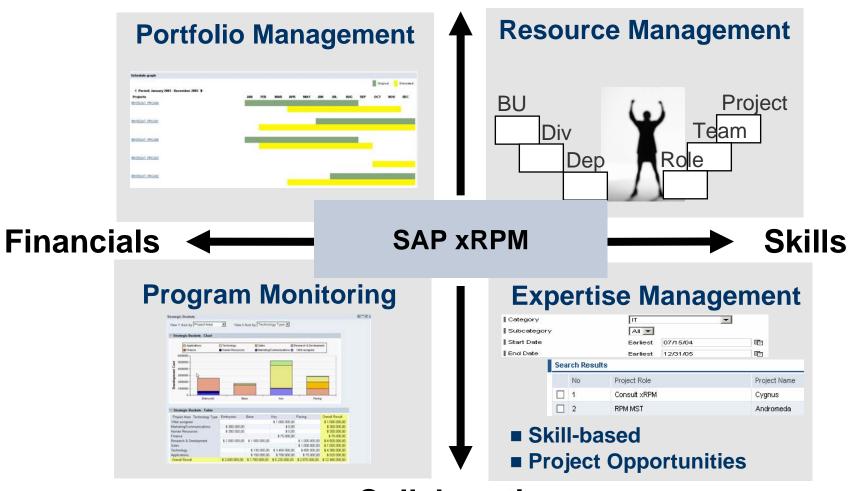
SAP xRPM - Benefits

Portfolio Transparency and Forecasts Faster Execution Easier Resource Forecasting Faster Resource Allocation Demand / Supply Balance Time To Market Avoidance of Bottlenecks Validate Planning Model Collaboration, Workflows & Process **Reduced Decision Time Automation Portfolio Prioritization** Increased Expected Value of **Business Alignment Portfolio** Scenario Modeling / What-If Analysis **Higher Data Quality / Consistency** Earlier Stop Decisions, Fact-**Based Decision Support Increased Data Visibility/ Transparency & Availability Cost Savings Timely Monitoring of Project Alerts – Less Overspends** Performance IT Infrastructure / Data Integration **Leverage IT Investment** (HR, Financials, Project Management)



SAP xRPM -- Key Capabilities

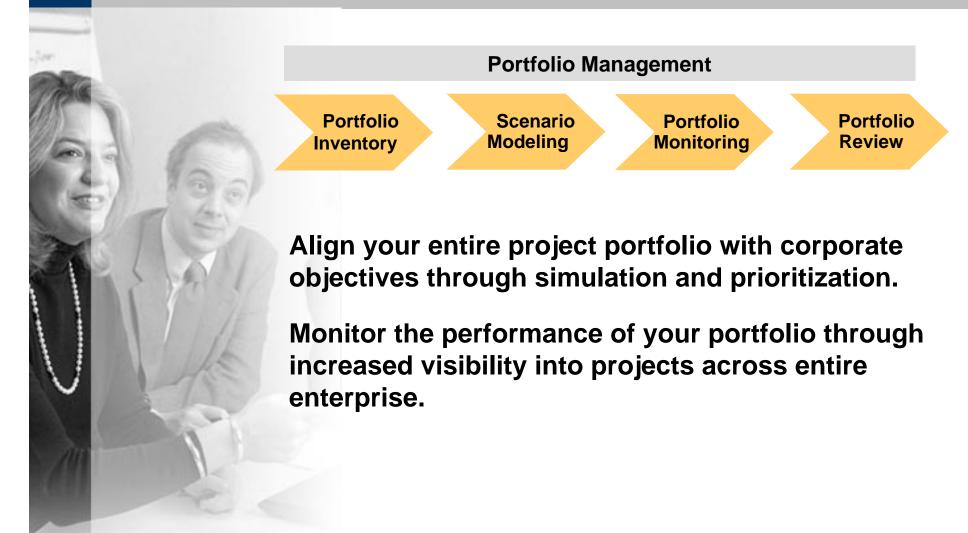
Projects



Collaboration



Key Capability: Portfolio Management



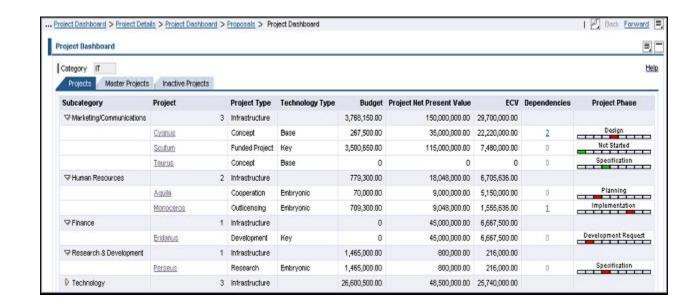
Portfolio Inventory

Scenario Modeling Portfolio Monitoring Portfolio Review

Projects and Proposals Dashboards

View information about projects and proposals:

- **■** Budget
- **■** Schedule
- **■** Cost
- **■** Expected benefits
- Risk
- **■** Priority
- Dependencies
- **■** Resource demand
- Available and qualified resources

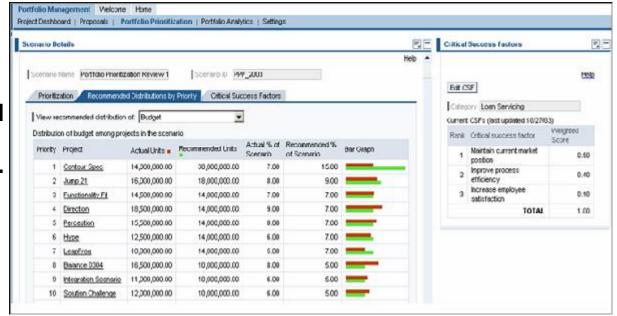




Portfolio Inventory Scenario Modeling Portfolio Monitoring Portfolio Review

Portfolio Prioritization

- Define critical success factors (objectives) for your business.
- Determine the potential impact of each proposed and active project on achieving the objectives.
- Receive a ranked list of proposed and active projects and proposed distribution of scarce financial and human resources.

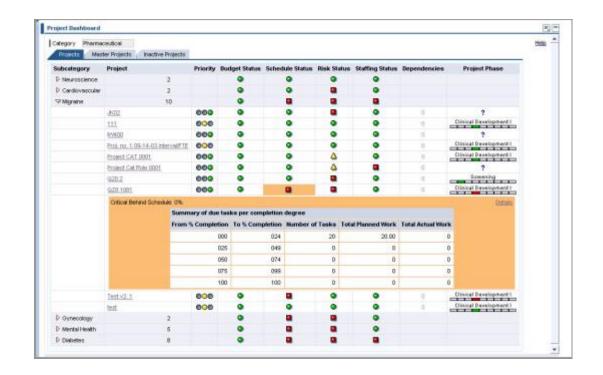




Portfolio Inventory Scenario Modeling Portfolio Monitoring Portfolio Review

Project Dashboard

- Centrally view all relevant project data including key performance metrics on budgets, schedules and staffing.
- Personalization allows to easily add customer specific KPIs.





Portfolio Inventory

Scenario Modeling

Portfolio Monitoring **Portfolio** Review

▼ □ Maximize Value

▼ □ Balance Portfolio

▼ ☐ Strategic Alignment

 Expected Commercial Value - Table · Expected Commercial Value - Chart

· Portfolio Performance Overview

Risk-Reward Diagram

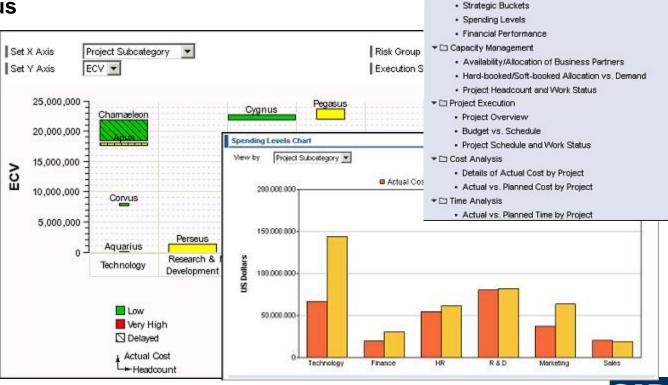
· Expected Commercial Value - Master Projects - Chart · Expected Commercial Value - Master Projects - Table

Portfolio Reports

Evaluate the entire portfolio or individual projects using various

key performance indicators, such as:

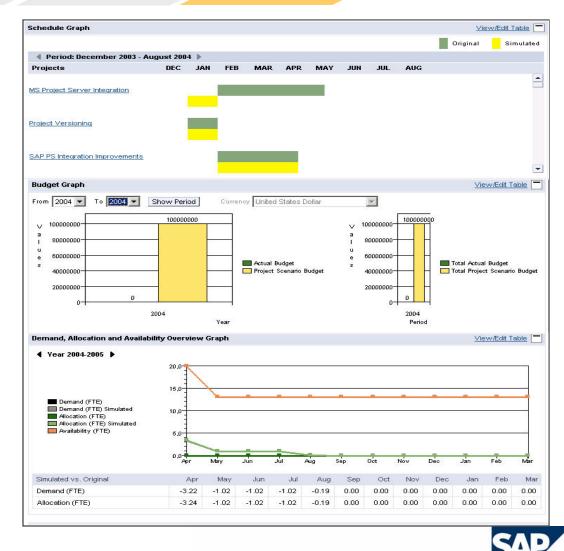
- Expected **Commercial Value**
- Risk
- **■** Project Costs
- **■** Spending Levels



Portfolio Inventory Scenario Modeling Portfolio Monitoring Portfolio Review

What-If Analysis

- Define unique business case scenarios.
- Perform simulation by varying resource demand and allocation, budget allocations and time frames.
- Make educated decisions regarding which projects to fund more or less, which ones to cancel, continue or to postpone.



Key Capability: Resource Management





Resource Management

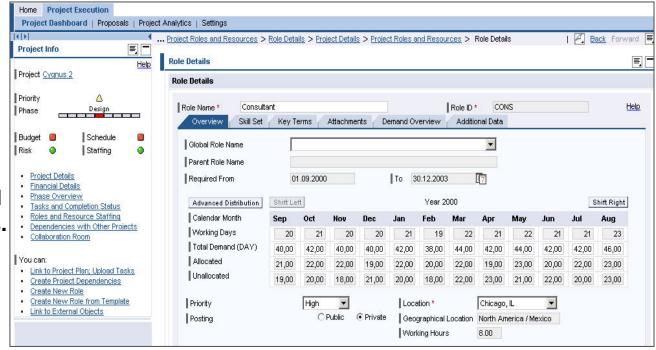
Demand Definition

Project Staffing

Capacity Management

Demand Definition

- Define high level resource demand on project level before approval of resource assignments.
- Planned resource demand is considered in What-If Simulations.





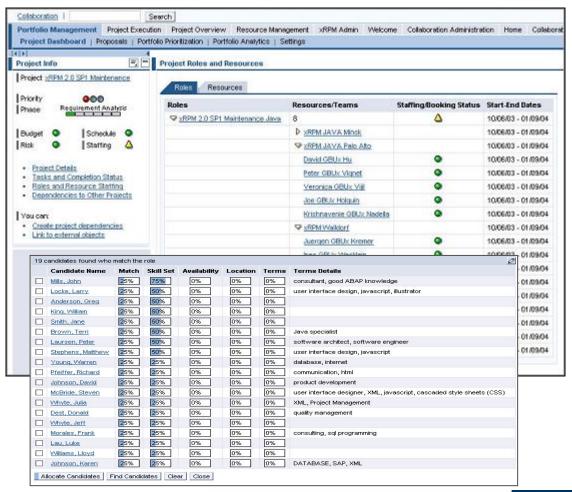
Resource Management

Demand Definition

Project Staffing Capacity Management

Project Staffing

- Automated workflows for staffing projects.
- Project Managers define project roles based on time demand and qualifications profile.
- Resource Managers assign resources to roles according to their availability and qualifications.





Resource Management

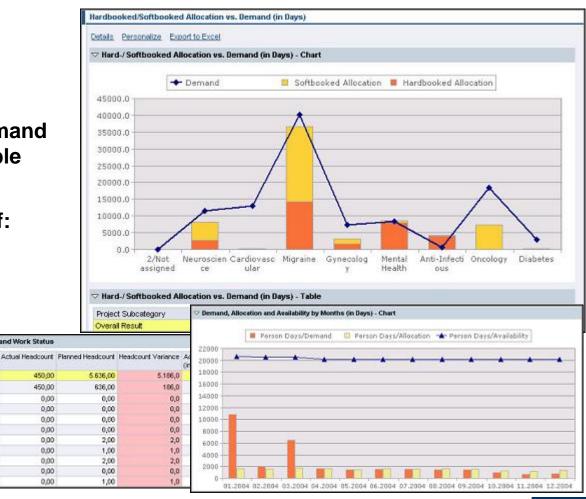
Demand Definition

Project Staffing

Capacity **Management**

Capacity Management

- **■** Create role-based resource forecasting.
- Report and consolidate demand for resources across multiple projects via global roles.
- Provide complete picture of:
 - Resource demand and allocation
 - **■** Booked and available resources
 - **■** Total workload
 - Capacity





Project GUID

Overall Result

TestJS4 LJ PRJ QQ1

AP26.20

reichel20

reichel

Payroll Canada

Test for role dates

450,00

0.00

0.00

0,00

0,00

0,00

0.00

0.00

Key Capability: Expertise Management



Expertise Management

Skills Management Project Opportunities

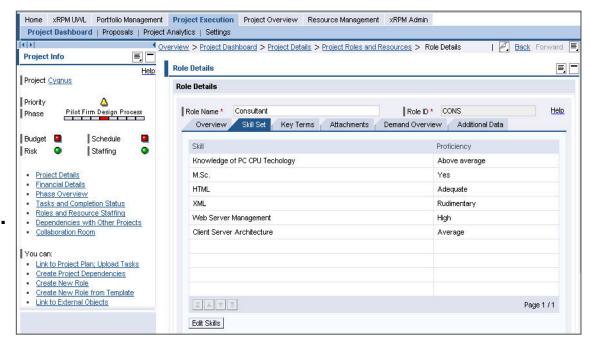
Discover organizational expertise

Expertise Management

Skills Management Project Opportunities

Skills Management

- Managers locate skills and knowledge across the organization.
- Employees maintain up-to-date information on skills and expertise*.



* Available through usage of standard SAP Employee Self-Service (ESS) within SAP Enterprise Portal



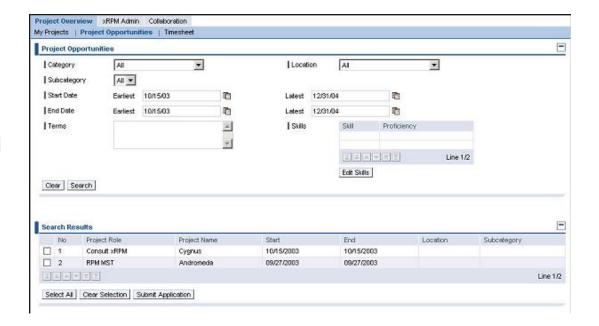
Expertise Management

Skills Management

Project Opportunities

Project Opportunities

- Team members can apply for new projects.
- They can search for projects by category, subcategory, location, and through profile matching.
- They can view a list of roles and apply for open project opportunities.





Key Capability: Program Monitoring



Project Definition

Project Planning

Project Management

Attain visibility into all projects of your portfolio

Make informed decisions



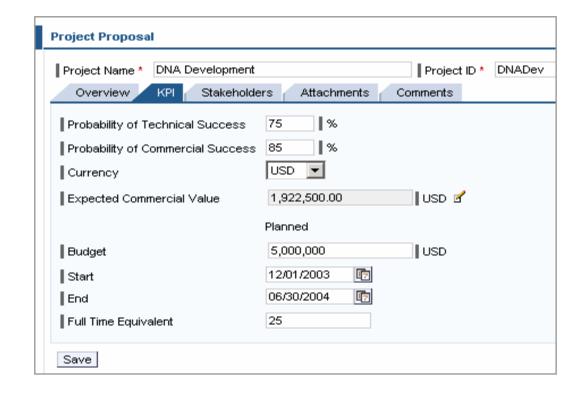
Project Definition

Project Planning

Project Management

Project Definition

- **■** Create proposal
- **■** Review project
- **■** Approve project





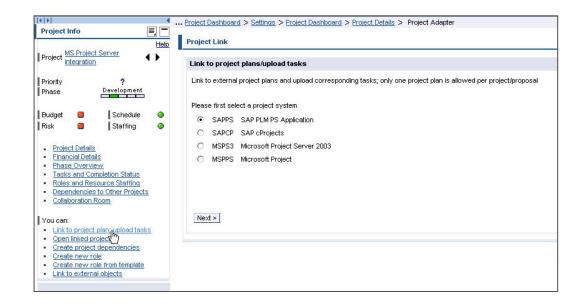
Project Definition

Project Planning

Project Management

Project Planning

- Upload project plans from heterogeneous project management systems.
- Consolidate planned cost and budget information from financial systems.





Project Definition

Project Planning

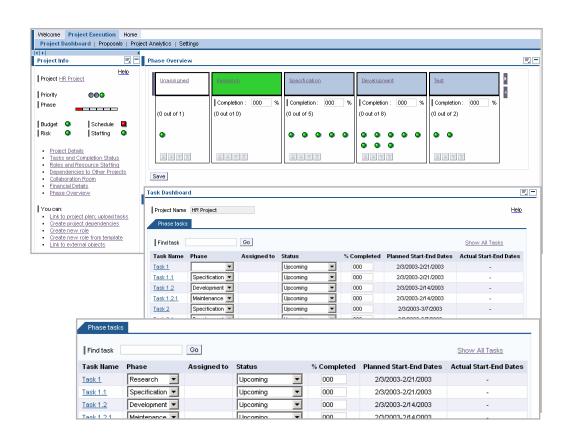
Project Management

Task Dashboard

- Complete overview of all project tasks.
- Manage task status and % complete.

Project Dependencies

- Create and manage project dependencies (project/milestone/task level.
- Example: Starting a task in one project depends on the outcome of a task in a different one.





Project Definition

Project Planning

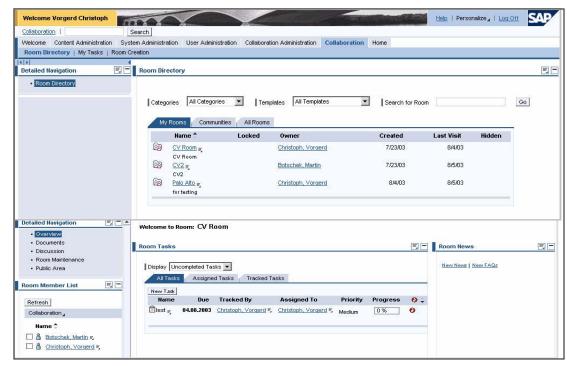
Project Management

Project Collaboration

- Create a shared workspace for each project.
- Project team members can share documents and project information and have threaded discussions.

Time Reporting

Project members record their time they have been working on projects*.





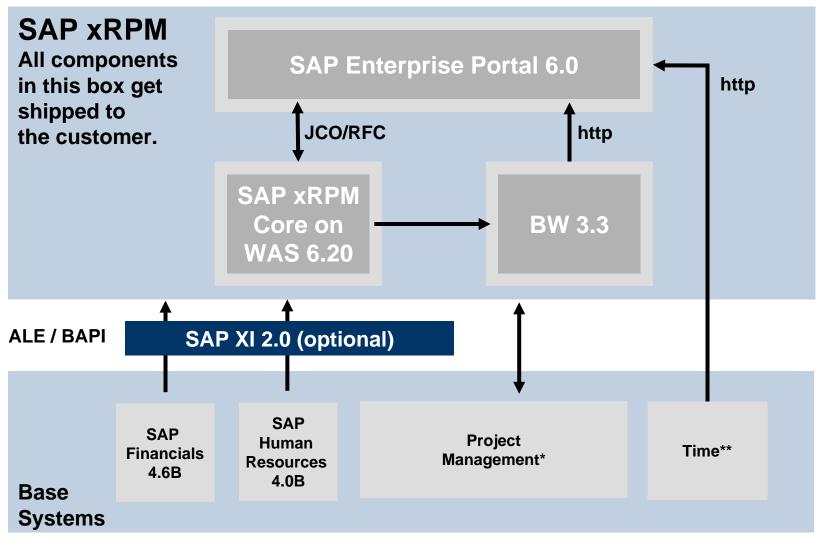
^{*} Available through usage of standard SAP Employee Self-Service (ESS) within SAP Enterprise Portal

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SAP xRPM -- Architecture





^{**} SAP LO CATS 4.6B



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SAP xRPM Customer Successes

To learn more about how your organization and take advantage of SAP xApp Resource and Portfolio Management (SAP xRPM), read these success stories at:

http://www.sap.com/solutions/xapps/xrpm/



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Information and Contacts

→ Information

Public Web:

http://www.sap.com/solutions/xapps/xrpm

SAP Service Marketplace:

http://service.sap.com/xrpm

→ Contacts at SAP Finland

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