

Ressourcen-Management für Produkt-Entwicklungsprojekte

Resource management for product development projects

Stefan Sack
ORACLE Deutschland B.V. & Co. KG
München

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Introduction

The importance of a sophisticated resource management for product development projects is rapidly increasing in many enterprises. Reasons lay mainly in the need for reducing inefficiencies in highly-paid development employees as well as in improving overall project resource demand and supply that drives the operational revenue and margin of many companies. Hereby an integrated system that supports the product lifecycle as well as the overall product portfolio is mainly only capable to focus on product development or general project timeline aspects, whereas resource capacity analyses, detailed resource management and future resource demand management is not foreseen.

Oracle offers an integrated solution for combined **Product Lifecycle Management (PLM)** and **Product Development Project Portfolio Management (PPM)** with its best in class products Oracle Agile and Oracle Primavera P6.

This integrated solution is providing sophisticated capabilities on the PLM side and integrates an overall Project Portfolio Management, where cost, time, quality and resources are considered. Extensive scenario capabilities allow in every phase of a product development project to simulate “what-if” analyses in order to select the right projects and assign the right resources to them.

Professional Resource-Management in Product Development Projects

The integrated solution offers a comprehensive and holistic process for capturing product ideas and selecting the right ones out of these, which align with the company’s strategy and which is the most profitable product. It also considers the need for creating and sharing scenarios in order to identify the right mix of products (and therefore product development or improvement projects) and if this mix is realizable with the existing set of resources in the company.

The overall goal of the integrated solution is to support enterprises to:

- Concentrate on most profitable and strategic products
- Accelerate innovation lifecycles and drive revenues
- Speed time to market and volume production
- Contain costs and focus resources
- Improve quality and raise customer satisfaction

- Leverage and protect critical intellectual property

The combination of PLM and PPM covers hereby the complete lifecycle of a product and offers high-level as well as detailed controlling capabilities for the product development projects.

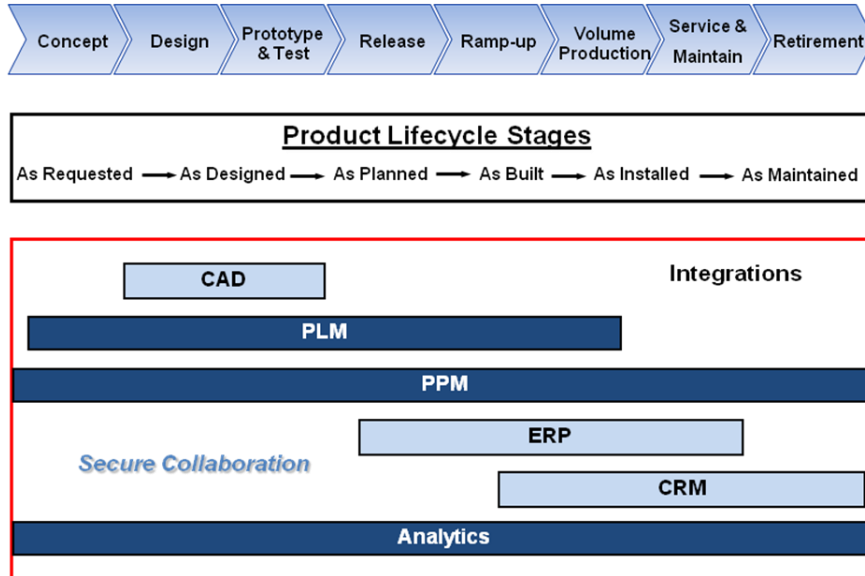


Abb. 1: Product Lifecycle stages and PLM / PPM coverage

The integrated solution of PLM and PPM is supported by a best-in-class analytics solution that offers professional Business Intelligence on the combined solution.

Integrated approach – Oracle Agile and Oracle Primavera P6

The combination of Oracle Agile and Oracle Primavera P6 allows to completely cover the product lifecycle over all products and the whole product portfolio. This is illustrated in a sample process chart below, where different roles and process steps are outlined for the products of Agile and Primavera P6.

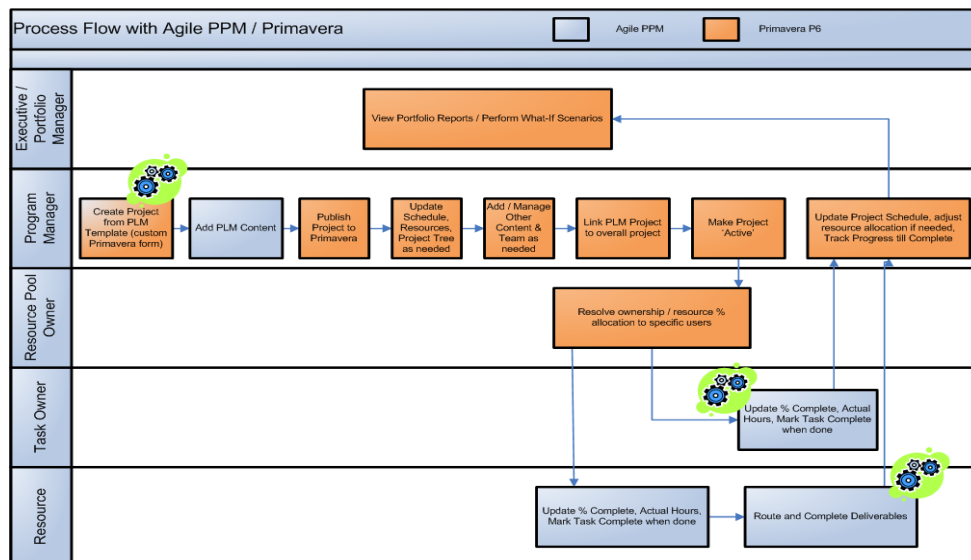
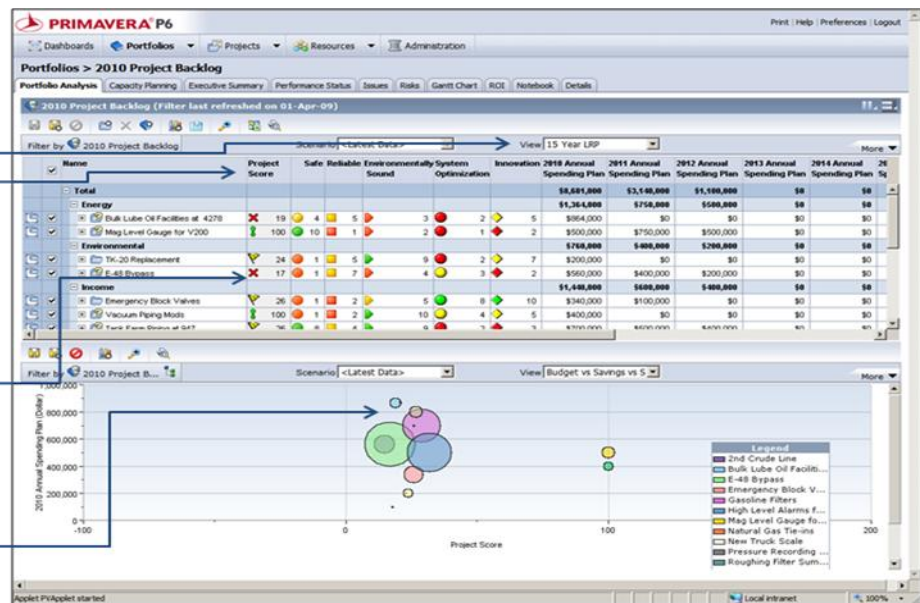


Abb. 1: Sample process for the integrated Agile / Primavera Product Portfolio Management

For controlling and optimization purposes, Primavera offers the capability to model scenarios and share these with other involved roles, until a final approval step is fulfilled and a decision is taken. Hereby Primavera can directly obtain Agile project templates, detail them out and offer an efficient and professional resource staffing process, or in the execution of a project, a comprehensive resource management if changes in projects or project resource assignments occur. The portfolio management capability offers a strategic or high-level option to select the right project at the right time with the right resources. Hereby detailed project schedules are underlying and are offering the resource management capabilities to plan, control and manage your resources efficiently.

- Plan -- Create a long range plan and rank projects
- Execute -- Update, track and react to project changes & risks
- Measure -- Easily assess project financials and KPIs

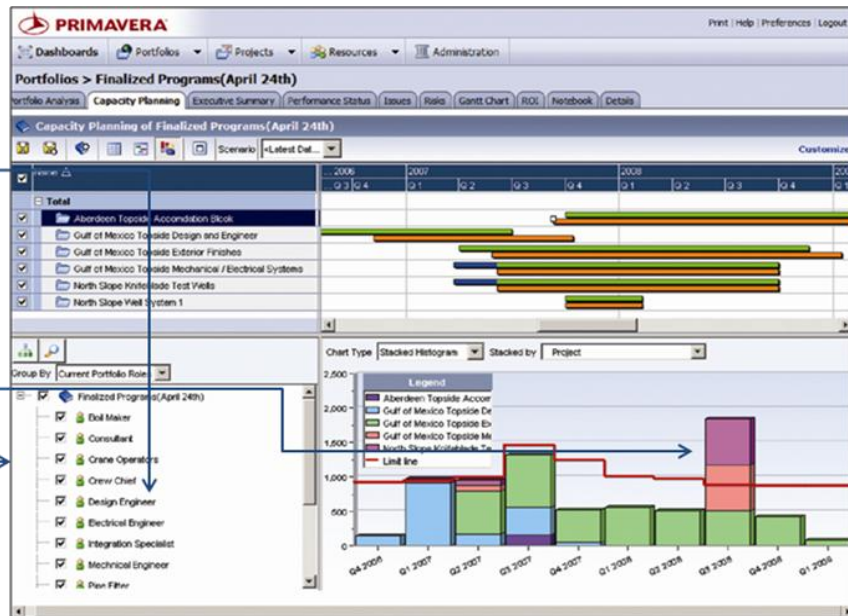


Create a competitive advantage by prioritizing enterprise investments based upon financial considerations, risk tolerance and resource constraints

Abb. 1: Scenario comparison for a product portfolio

An essential part for portfolio management is the capacity analysis, which considers the capacity supply as available into the resource pool and compares that against the new project ideas and their demand of resources. The user can now create scenarios on the fly to optimize resource supply and demand and consider also other aspects like cost, quality, dependencies, etc.

- Plan – Get the right resources (people and machinery) for the job
- Execute – Manage resource bottlenecks and over allocation
- Measure – Capture best practices



Level resources across all projects – and proactively track resource demand so workforce is not over allocated

Abb. 1: Resource capacity scenario simulation to optimize project start with resource demand & supply

Line managers are supported with extensive and detailed analyses of their team utilization and assignments. They can be integrated into the resource assignment / allocation process and are provided with specific filtered views to have an insight into their actions and analyses.

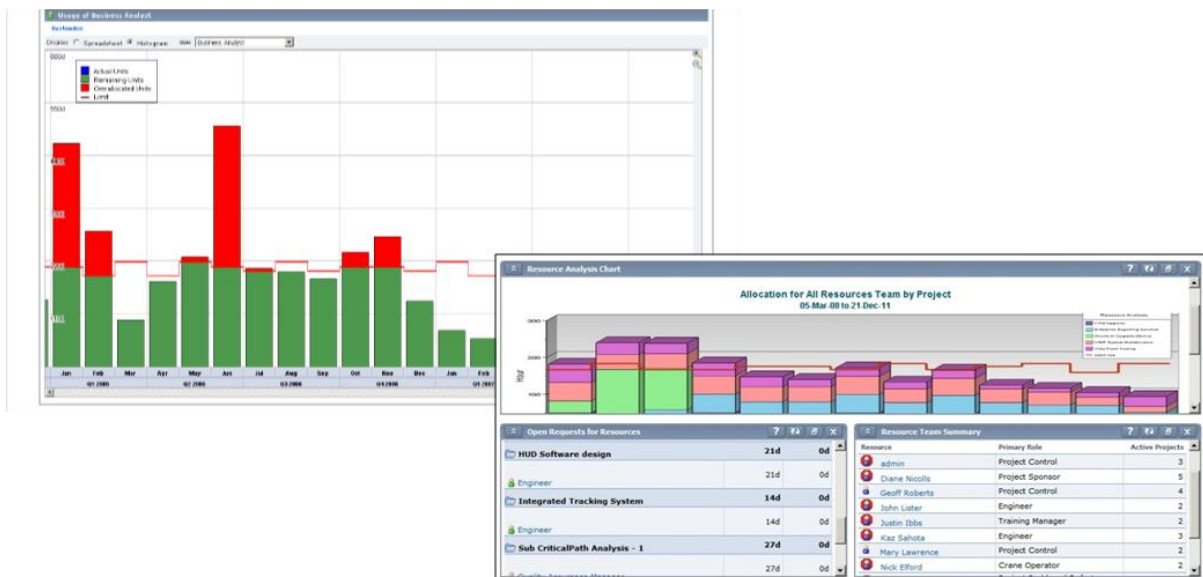


Abb. 1: Overview of Resource utilization analyses and action

The presentation will focus on the combined strengths and the added value and will be underlined with practical examples.

Kontaktadresse:

Stefan Sack

ORACLE Deutschland B.V. & Co. KG
Riesstr. 25, D-80992 München

Telefon: +49 89.1430.2821
E-Mail stefan.sack@oracle.com
Internet: www.oracle.com