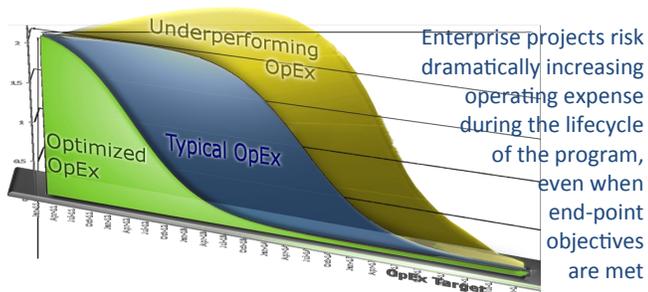> Most programs have complex interactions with the operating businesses within in which they are taking place. Failure to manage these interactions can result in dramatic losses of efficiency, both in the program, and in the affected business units.
>
> *Loss of up to 40% of the potential program business case is not uncommon.*

The Problem:

Tools for managing portfolios of projects and programs focus on providing functions to help managers bring their projects in on time and on budget. But in most cases, large projects interact with many different departments throughout an enterprise, affecting, and being affected by, the financials of various business units and how they operate. These effects are difficult to foresee and control from most project management tools, as they concentrate heavily on managing the activities and resources relating to the project.

Enterprise projects risk dramatically increasing operating expense during the lifecycle of the program, even when end-point objectives are met
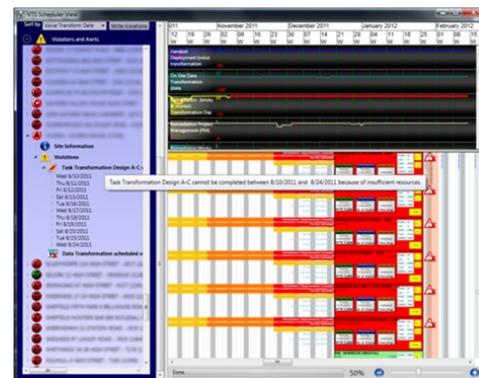
Programs that are well managed internally, but do not adequately account for the effect that they have on the operating business, or the way they are affected by it, often unnecessarily introduce increases to operating costs and hinder the organization's performance. Further, today's organizations are complex, so there are often unintended consequences which propagate from one part of the business to another.

The Answer: World Modeler™ DEEPM:

- Assurance of not only program outcomes, but business operational and financial outcomes which are impacted by the program.

- Ability to include business rules that are outside the program, but affect it, in the decision model.

- Greater and clearer visibility of sources of risk and their impacts on both program and broader business outcomes.

- More advanced warning of potential risks; more time to take corrective action.

- Extensive automation of typically manual tasks, such as in-flight change impact analysis.

Key feature comparison between DEEPM and traditional project and program management tools.

	Enterprise PPM Tools	World Modeler™ DEEPM
Scalable relational data store	✔	✔
Integration with external data sources	✔	✔
Manage tasks, resources, task-task dependencies	✔	✔
Model factors external to project, including business rules		✔
Resource balancing	✔	✔
Timesheets and detailed task tracking	✔	
Multi-project resource management	✔	✔
Decision model authoring		✔
Business-rule driven outcome assurance		✔
"Over the horizon" In-flight change simulation		✔
Rule violation alerts and notifications		✔
What-if scenario analysis for project plan	✔	
What-if simulation of business outcomes		✔

A Gantt chart view from within DEEPM

Quantellia, LLC
www.quantellia.com
www.youtube.com/quantellia

For more information or a demo: engage@quantellia.com

Quantellia's DEEPM Solution

Quantellia's Decision Engineering for Enterprise Program Management (DEEPM) solution, based on the World Modeler™ platform, fills the gap between traditional program and project management tools, and operational systems. It provides automation, and therefore higher accuracy and productivity, of governance, assurance, and decision making processes that span not just the project or program, but many operational departments also. For example, **changing the completion date of a milestone may change the revenue targets for one department, the cost allocation of shared resources in several other departments, and, 12 months from now, will result in a supplier contract penalty clause coming into force.**
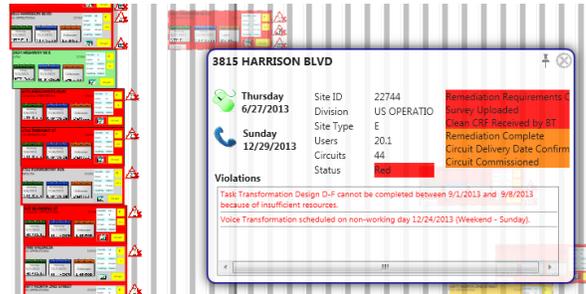
See the rules violations, track their severity, and adjust on-the-fly with DEEPM

World Modeler DEEPM includes:

- A **visual decision modeling engine** that allows objects and cause-and-effect relationships of any kind between them to be modeled and quantified.

- A **data binding interface** that allows data to be accessed from any spreadsheet, relational, multi-dimensional, text-based or web-service-based data source.

- An intelligent **program analyzer** that accepts task templates with resource needs, dependencies, business rules and constraints, and automatically create and verify a plan.

- A **what-if simulator** that allows users to "drag and drop" proposed plan changes, and while dragging, evaluate business rules and forecast impact on program outcomes. This reduces in-flight change impact analysis from weeks to hours.

- An **"over the horizon" risk analyzer** that uses the rules base and simulation to provide managers with early warning of potential risks, even when tasks and resources have not yet been assigned in traditional project management tools.

- Highly **customizable visualizations** to provide the clearest information in the most intuitive way.

Users view and interact with the system via a number of powerful displays, including business-rule-aware Gantt charts, critical alert lists with drill-downs showing the reason for each alert, information dashboards, field data acquisition tools, what-if operations, financial modeling, and more.

To assure success, managers of enterprise programs must:

Foresee and take into consideration the financial and operational effects that program decisions will have on related business units, and

Assess the effects that decisions made outside the program will have on program milestones and financial outcomes, and

Quickly assess the impact of changes, and assure that such changes can be feasibly implemented in a way that complies with both program and operational business rules.

DEEPM equips program managers to address these challenges proactively, producing dramatic improvements in financials, quality, and risk.