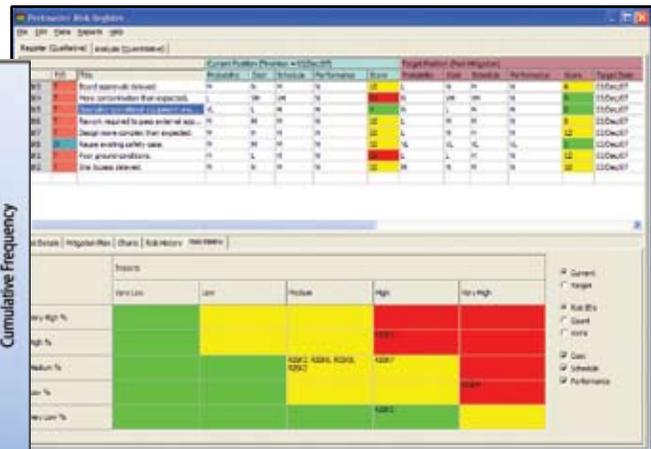
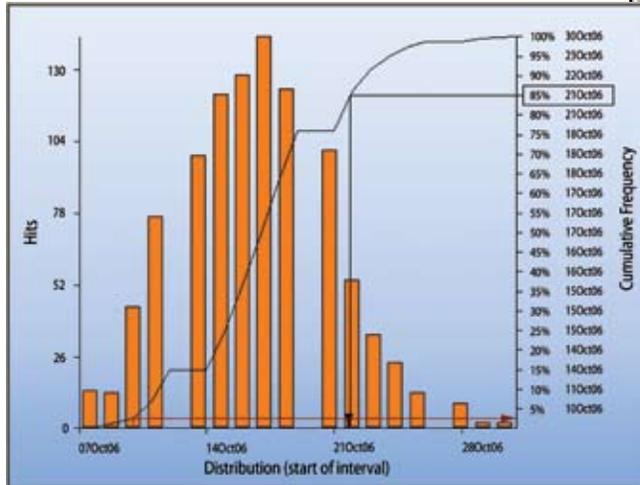


# Risk Management

Use Pertmaster with Primavera to create realistic schedules and resource plans for all your projects. Simulate the performance of your project and evaluate the likelihood of finishing on time or within budget.

Risk Histogram



Risk Register

## Designed for Primavera Users

Pertmaster is designed to enhance the power of Primavera planning products. It adds schedule and cost risk analysis to your existing Primavera software.

Pertmaster will simulate the performance of your project and evaluate the likelihood of finishing on time or within budget.

It reads directly from Primavera P3<sup>®</sup> and SureTrak<sup>®</sup> file formats, and integrates seamlessly with Primavera Enterprise and Teamplay<sup>®</sup>.



## Already a Primavera Monte Carlo User?

Pertmaster is a Primavera supported replacement to the Monte Carlo software. It provides enhanced functionality than that of Monte Carlo in a easy to use graphical interface:

- Links seamlessly to Primavera Enterprise and TeamPlay<sup>®</sup> (as well as P3<sup>®</sup> and SureTrak<sup>®</sup>)
- Easy to use graphical interface
- Integrated risk register
- At least 10 times faster analysis time

## Should I Be Using Risk Analysis on My Projects?

Yes, if you are running projects that are time and/or cost critical, risk analysis will help you manage your projects more effectively. It will allow you to make informed decisions, manage your project risks and make contingency plans based on straightforward reports. It will help reduce the chances of your project being late and over budget.

## Create More Realistic Schedules

While standard critical path analysis uses only a single estimate of activity duration or resource usage to calculate the project schedule, Pertmaster uses monte-carlo simulation to model a range of values and produces the most likely outcomes.

"Pertmaster's Primavera integration is excellent. I am working on a Primavera project with 5,400 activities and over 10,000 links and Pertmaster imports it perfectly, including retained logic and lag calendars."

Philip Rawlings – Euro Log

## Make Informed Decisions

Make informed decisions right from the first stage of project conception. Perform a go/no-go analysis before placing the bid. Use probabilistic branching and probabilistic tasks to model uncertain or unlikely events within your project. Reduce the risk of your projects by choosing the schedule with the highest probability of success.

Continue to use Pertmaster throughout the lifetime of your project. As progress is reported and resource availability changes, Pertmaster Project Risk can assess the impact on the remainder of your project schedule. With a more informed perspective of the risks involved you will make better decisions and even refine your initial strategy.

## Quick and Easy to Use

Pertmaster's intuitive graphical interface and blisteringly fast calculation speed means useful results can be generated quickly and easily.

"I'm impressed! The product is extremely user friendly and easy to use. It also 'unmasks' a lot of the Primavera Monte Carlo mystery. The intuitive graphics in your product are much more pleasurable than the 'blank wall' presented by some other systems I could mention. It's also useful to be able to import MS Project as well as Primavera schedules"

Tony Allen - Halliburton Company

## What Can I Model?

- Uncertainty on activity duration
- Uncertainty on activity cost
- Uncertainty on resource usage
- Uncertainty on resource cost
- Probability that an activity will occur
- Probabilistic branching
- Duration correlation
- Probabilistic cash flow
- Probabilistic resource usage and much more

## Displaying Results

Results can be displayed graphically or exported to other applications such as MS Word or MS Powerpoint.

The results can be automatically updated back to the Primavera database to show a likely finish date or cost.

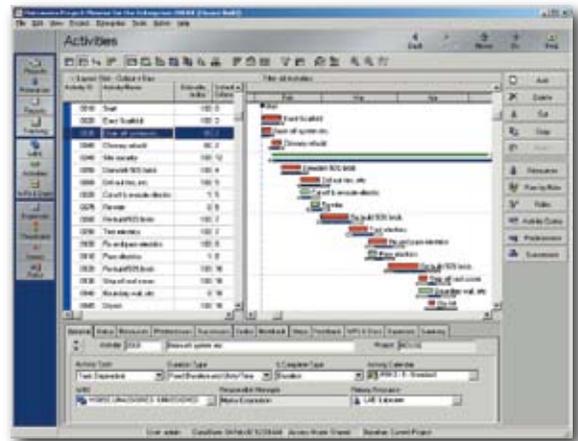
Pertmaster automatically creates results for when each activity is likely to occur and how much it is likely to cost. Comparing these values with your Primavera schedule highlights areas of uncertainty or high risk within the project.

Risk data (for the entire project and each and every task) can be exported to other applications for further analysis.

## How Does It Work?

Pertmaster comes with simple tutorials and template files to get users up to speed quickly and easily.

Typically, a Primavera user will enter the uncertainty on activity durations and costs within the Primavera plan. Pertmaster then calculates the overall project uncertainty for cost and time based on these values and the results are then updated into the Primavera database.



P3e displaying P10-P90 dates with criticality index

## Program Management

Pertmaster results can be calculated and displayed at the Enterprise project level.

Compare risks across projects in your enterprise and identify those with the highest chance of success. Drill down through projects to highlight areas of highest risk.

Project Name	Deterministic Finish	Finish Probab...	90% Finish	Deterministic Cost	Cost Probability	90% Cost
Development						
Engineering	15-Mar-2005	22%	14-May-2005	\$2,062,388	47%	\$2,445,867
Oil Pipeline	12-Dec-2004	35%	13-Feb-2005	\$1,267,988	32%	\$1,667,373
Chemical Plant	19-Apr-2005	69%	12-May-2005	\$1,099,796	67%	\$2,009,773
Assembly Lin...						

Compare risk results in P3e at the Enterprise project level

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