



Predictive Analytics Software and Services Solutions

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modeling • forecasting • simulation • optimization

INFORMATION DECIDES

Dramatically Improve the Quality of
Your Strategic Business Decisions

Oracle Crystal Ball

Increase revenue. Decrease costs. Reduce development time. Every day you strive to meet these goals. And each business decision you make either enables you to advance toward them—or impedes your progress.

Spreadsheets and other data analysis tools lack the functionality, capacity, and power to do the necessary “what if” analyses required for successful performance management, business intelligence, and predictive modeling. You need an integrated solution capable of performing complex risk and uncertainty analyses across a broad range of applications.

Oracle Crystal Ball is the leading spreadsheet-based software suite for predictive modeling, forecasting, simulation, and optimization. Used by 85 percent of the Fortune 500 and taught in the top 50 U.S. MBA programs, Oracle Crystal Ball gives you unparalleled insight into the critical factors affecting risk, and calculates the likelihood you will reach your objectives. With Oracle Crystal Ball, you can make the right tactical decisions to move you toward your strategic goals and gain a competitive edge under even the most uncertain market conditions.

Make More-Confident Decisions

Key Benefits

- **Get results quickly.** Start using Oracle Crystal Ball in minutes.
- **Enhance your investment.** Draw on the spreadsheet technology you already own.
- **Think in ranges.** Get the full picture in the face of an uncertain future.
- **Communicate.** Share your findings through graphs, charts, and reports that let you vividly present and communicate the results of your analyses.
- **Collaborate.** Work as a team, sharing models and data to get your work done faster.
- **Optimize.** Take uncertainty and constraints into account while you search for the best solution.

Sample Applications

- Capacity Planning
- Cost Estimation
- Strategic Financial Analysis
- Inventory Optimization
- Operations Research
- Project Selection
- Resources Allocation
- Sales Forecasting and Modeling
- Six Sigma/Design for Six Sigma/Lean Manufacturing
- Supply Chain Management

Gain Valuable Insight

You've learned to expect the unexpected. Interest rates suddenly increase, sales fail to meet expectations, deliveries are inexplicably delayed, defect tolerances are exceeded. Unfortunately, the spreadsheets you use to understand future uncertainties are built on a static framework of average values. When it comes to predicting possible outcomes or performing complex "what-if" scenarios, spreadsheets are simply not up to the task.

You need a better tool for business forecasting—one that helps you prepare for the unknown and enables you to make better decisions based on a solid understanding of the variables that will have the greatest impact on your business.

Oracle Crystal Ball is a suite of Microsoft Excel-based applications that enable you to do just that. By extending the analytical power of spreadsheets and defining variable inputs in terms of realistic ranges of possible values, you can calculate all possible outcomes and record the results for analysis and reporting. And with the insights gained from these simulations, you can pinpoint which factors are most likely to help you succeed in the near and long term.

Reap Measurable Results

With Oracle Crystal Ball, you can use historical and current data to create accurate, predictive models and search for solutions that take into account market uncertainty and constraints. Since Oracle Crystal Ball can quickly be applied to new or existing spreadsheet models, you can make the most of the technology you already own. Oracle Crystal Ball enables you to

- **Increase revenue.** Maximize growth while optimizing your ability to react effectively to market disruptions and random events.
- **Decrease costs.** Generate sensitivity charts that identify which variables have the biggest impact on your costs.
- **Improve productivity.** Save time by using simulations to quickly and automatically model and visualize thousands of "what if" scenarios.
- **Enhance quality.** Meet quality objectives by using simulation results and capability metrics to determine optimal product specifications and defect tolerances.

With this flexible tool, you can solve problems in which uncertainty and variability have traditionally distorted forecasts and make better decisions to impact your bottom line.

Take Advantage of Valuable Resources

Oracle provides you with a range of resources to help you get the most out of Oracle Crystal Ball. Jumpstart your implementation by taking advantage of a full range of training and consulting services. Get education discounts on services, textbooks, and learning aids for professors, instructors, and students. Subscribe to a free newsletter that keeps you on top of the latest trends in risk analysis and spreadsheet forecasting, and gives you access to white papers written by industry experts. We provide all the services and information you need to achieve rapid time to value.

Features	Oracle Crystal Ball	Oracle Crystal Ball with Decision Optimizer	Oracle Crystal Ball Enterprise Performance Management	Oracle Crystal Ball Enterprise Performance Management with Decision Optimizer	
Monte Carlo simulation, analysis tools, and reports	■	■	■	■	Automate “what-if” analysis. Quickly assign ranges of values to your inputs; automatically calculate ranges of forecasted outputs and their probabilities.
Capability metrics	■	■	■	■	Simplify your workflow. View simulation results, descriptive statistics, and capability metrics all at once with split-view charts and graphs. Capability metrics include Cp/CpK, Pp/Ppk, Z metrics, and many others.
Category publish and subscribe	■	■	■	■	Save time by managing your distributions. Create your distributions once, then use them many times. Share them with other users via the publish and subscribe mechanism.
Correlation and fitting	■	■	■	■	Incorporate your data. Fit distributions to your historical data and calculate correlations between distributions, to more accurately model and forecast.
Crystal Ball tools	■	■	■	■	Set up and analyze your models. Includes: Data Analysis, Batch Fit, Correlation Matrix, Tornado Chart, Bootstrap, Decision Table, Scenario Analysis, and Two-Dimensional Simulation.
CB Predictor	■	■	■	■	Create accurate and realistic predictive models. Analyze historical data with time-series analysis and regression.
Crystal Ball and CB Predictor developer kits	■	■	■	■	Customize it. Macros and functions let you tailor the software to your specifications, ensure standardization, and save time through automation.
OptQuest		■		■	Make the right decision. Automatically search for your optimal solution while accounting for uncertainty, constraints, and requirements.
OptQuest developer kit		■		■	Customize OptQuest. Macros and functions let you tailor the software to your specifications, ensure standardization, and save time through automation.
Extreme Speed simulation		■		■	Get it done, fast. Run your simulations up to 100 times faster than normal with Extreme Speed, powered by PSI Technology.
Enterprise Integration			■	■	Integration capabilities with Oracle Enterprise Performance Management and Oracle Applications.

Industries

- Academia
- Aerospace
- Airline
- Biotech
- Construction
- Energy
- Engineering
- Environmental
- Finance
- Government/Public Sector
- Healthcare
- Insurance
- Managing/Consulting
- Manufacturing
- Medical
- Oil and Gas
- Pharmaceutical
- Retail
- Telecommunications
- Utilities
- Venture Capital

CONTACT US

To learn more about Oracle Crystal Ball, visit www.crystalballservices.com or call +1.888.879.8440 x8 to speak to an Technology Partnerz representative.

TECHNOLOGY PARTNERZ - WE MAKE ANALYTICS HAPPEN

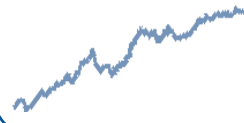
Technology Partnerz support it's clients in improving decisions and business outcomes by providing business modeling, simulation/risk analysis, optimization and time-series forecasting in the areas of capital investment decisions, enterprise performance management and enterprise project management. Our certified consultants provide expertise through-out the predictive analytics adoption cycle. From needs assessments and opportunity identification to post-implementation support, Technology Partnerz provides a wide range of flexible consulting solutions.

Build Planning and Make Decisions

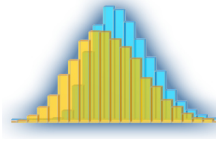
Model Building



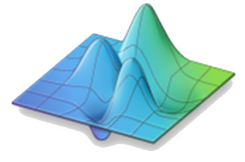
Time-Series Forecasting



Simulation



Optimization



Enterprise Project Management

Enterprise Performance Management

DEVELOP YOUR ANALYTICS CAPABILITY WITH A TRUSTED PARTNER

Analytics Strategy

- **Solution Selection:** Technology Partnerz provides objective and impartial support and methodologies to select the right analytics solution for your organization.
- **Business Analysis:** We identify and develop analytics and risk analysis solution specs, business processes and implementation plans.
- **Change Management:** We provide advanced change management services to ensure that predictive analytics thinking and best practices are firmly entrenched in the business culture.
- **Software Procurement Services:** Through our relationships with key analytics vendors we are able to sell directly or we can facilitate the software procurement process.

Solution Delivery

- **Model Building, Auditing & VBA Development:** Cradle to Grave model and VBA application development services.
- **Live Expert Support:** When a project gets complicated, sometimes all you need is a little help. Our consultants provide remote consulting and support for model building and results analysis to make sure that you get the results you need, when you need them.
- **Decision Analysis:** Our consultants work with you to identify and collect the necessary information, conduct in-depth analysis and modeling (including development of several alternative scenarios) as well as draft a clear and elegant report to present to stakeholders and management.

Knowledge Transfer

- **One-on-One Live Training over the internet:** Our remote one-on-one solutions are centered on both transferring skills and best practices while solving a pressing business need.
- **Customized Training:** Our certified trainers to support your training and competency development objectives. We can tailor our workshops to solve specific business issues and provide skills that will benefit participants and the organization for years to come.
- **Knowledge Transfer:** Technology Partnerz works alongside your project team to identify risks/opportunities, build tailored models, conduct workshops and provide the tools for you managers to make the most informed decisions possible.

ANALYTICS TRAINING & KNOWLEDGE TRANSFER



Do you see performance as a journey?

Technology Partnerz' Analytics Services offers a wide range of training solutions in French, Spanish and English to jump start your use of predictive analytics and project management solutions in your organization.

Our training classes, tailored for different industries, applications and customers, are conducted frequently on-site and on-demand (remote).

For more information on our customized training programs, **please call us at 1-888-879-8440.**

Live 1-on-1 Web Training & Support

GoToMeeting



Our web based remote one-on-one solutions are centered on transferring skills and best practices while solving a pressing business need. Our workshops last 16hrs and are delivered in 2 hour sessions at your convenience. Just call and book the times that work best in your schedule.

Sessions can be customized to meet with your specific training requirements, including special data and models.

Results Based Knowledge Transfer

Solve critical business problems using powerful analytics tools and minimize program participants' learning curve through a mix of end-user training, business consulting and user coaching over a period of several weeks. At the end of the program, the participants will deliver a high-value analysis of the problem/opportunity to management.

- Participants learn long-term risk analysis and modeling skills with their favorite package.
- Participants have access to a dedicated consultant/trainer for the duration of the project to assist in the development and analysis activities
- Soft-Skills training to ensure participants have the skills to gather the data and present the results effectively.

Skills Training (On-site & Remote)

Crystal Ball EPM Skills

Learn the basics of Monte Carlo simulation, how to develop Crystal Ball spreadsheet models and how implement basic shared EPM models.

Professional Analysis Skills

Learn the basics of Monte Carlo simulation and risk management, develop spreadsheet models, analyze and present results. During day 2, use your own historical data to build accurate predictive models and how to search for an optimal solution in 3 key areas: Finance, Operation and Project Management.

Finance & Risk Analysis Skills

This class focuses on applying simulation and risk analysis on business and project valuations. Topics include sensitivity analysis, DuPont analysis and an introduction to real options.

Quality & Engineering Skills

Learn how to use historical data to build accurate predictive models and how to search for an optimal solution for engineering & quality projects.

Planning and Estimating Skills

Incorporate cutting edge simulation and optimization techniques into your project plans and portfolios. Participants focus on planning and estimating projects as accurately as possible.

Spreadsheet Modeling Techniques for Business

Learn how to design and structure your spreadsheet models to facilitate realistic simulation, avoid problems and create strong yet flexible models.

* Workshops can be delivered for all major analytics packages we work with (Crystal Ball, @RISK, RiskSolver, ModelRisk, Risk Simulator...)

SOLUTION DELIVERY

Sometimes you need just a little help to get back on track. Our consultants are certified in a host of solutions and can assist you to build or enhance your solution to your specifications. From giving advice on how to accomplish tasks to complete outsourcing of your project, we offer a wide array application and project support services including advanced experience with Excel, MS Project & MS Visio.

Designed to support each clients' individual needs, our full line of technical services will help your people get the most out of predictive analytics solutions. Technology Partnerz expert facilitators and analytics consultants can support your team in the following ways :

Modeling Expertise

- Developing and **customizing simulation & optimization** models
- Providing comprehensive **support during the model building** and simulation process
- Reviewing existing models to **ensure that simulation & optimization is used properly** and to its full extent
- **Effective use of data** through advanced statistical expertise and value of information analysis, support eliciting and modeling expert opinions
- **Auditing of risk assessments** to find errors, inaccuracies and missed opportunities

Custom VBA Application Development

We design custom applications for both advanced and novice users using Excel VBA and the Dev. Kits of your solution of choice (@RISK, Crystal Ball, RiskSolver Platform or ModelRisk). We also design innovative ribbons to make running and using the applications completely adapted to the users and the problems they are working on. We provide a host of flexible services to get the job done.

- Design, customize and build analytics and simulation models
- VBA programming for :
 - Streamlining data collection, processing and report building - Including Risk Based Digital Dashboards!
 - Custom Applications & Add-Ins using Excel for your specific process need or project.
- Advanced probability calculations and simulation routines in Excel using the tool of your choice, including Oracle Crystal Ball, Palisade @RISK, Frontline Solver, Vose ModelRisk
- Integration with external data sources such as MS Access, MS SQL, ODBC, OLAP...



Have you analyzed your risks?

Consulting Services Overview

Modeling

We work with you to translate your problem or decision into an analytical model. These models can then be simulated and optimized.

Simulation

We use simulation to better understand the dynamics affecting your business and impacting the accuracy of your decisions.

Optimization

Go from What-If to What's-Best by optimizing your business models.

Time-Series Analysis

Forecast sales, demand, growth or whatever makes your business tick with the help of our senior consultants

Project Risk Analysis

From Cost and Schedule Risk Analysis to valuations, we can assist you in making decisions that maximize the bottom line

Excel Development

Own ready-to-run models and templates that can be applied and expanded for future projects.

ABOUT TECHNOLOGY PARTNERZ

Technology Partnerz Company Overview

Established in 1999, Technology Partnerz got its start doing organizational change management and business analysis for the implementation of large-scale ERP systems. During this time, over 15 SAP/Oracle/MINCOM projects were delivered. Through this exposure, it was quickly understood that risk analysis (both quantitative and qualitative) were critical necessities in achieving success in these types of projects as well as in most other business situations.

With this in mind, in March 2006, Technology Partnerz incorporated predictive analytics into most of its tools and methodological approaches. This integration resulted in the launch of a dedicated analytics practice in March of 2008. Since 2009, Technology Partnerz has been Oracle Gold Level Partner and is recognized as the as one of the world's leading Oracle Crystal Ball Solutions Partners.



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What can YOU achieve with the right analytics partner?