



# Custom Software using @RISK and the DecisionTools Suite Developer Kits

Javier Ordóñez, Ph.D.  
Director of Custom Solutions  
Palisade Corporation



# Programming Options

- Excel Developer Kits (XDKs)
- Software Developer Kits (SDKs)

# Excel Developer Kits (XDKs)

- @RISK and DTS ship with full-featured development environments that allow you to create custom applications using Palisade technology directly in Excel.
- You can create applications tailored to your needs right in your spreadsheet.

# Custom Development in Excel

- Palisade Custom Development has written applications for cost estimation, asset management, retirement planning, oil and gas prospecting, and more.
- In each case, the interface is customized to include only what the users need, hiding unused @RISK functionality and preventing user access to the underlying model logic.
- Automates processes like reporting, generating only the charts and data you want.
- The result is a perfectly tailored application ready to roll out to your workgroup.

# Custom Development in Excel

- The training required for users is minimal.
- Preserves uniformity in the analysis incorporating corporate guidelines and methodologies
- XDKs come with the DTS software: @RISK, PrecisionTree, StatTools, NeuralTools, RISKOptimizer, and Evolver.
- This means you can create applications using a range of powerful analytics, including Monte Carlo simulation, decision trees, statistics, neural networks, and optimization

# Examples

- Project Pricing, Contingency Determination and Mitigation
- Portfolio Risk Analysis
- Integrated Schedule and Cost

# Software Developer Kits (SDKs)

- SDKs let you create your own applications outside of Excel that integrate @RISK, RISKOptimizer, and other Palisade technology.
- Unlike the XDKs, these SDKs are perfect for creating applications outside of the spreadsheet that can be run in a desktop, network, or even Web environment.

# Software Developer Kits (SDKs)

- Palisade SDKs each come with ActiveX and .DLL interfaces, and support Windows and .NET programming languages, such as C, C#, C++, Visual Basic, or Visual Basic .NET
- Palisade SDKs include:
  - RDK Risk analysis programming toolkit
  - BDK Fit probability distribution functions to data
  - RODK Optimization programming toolkit

# Software Developer Kits (SDKs)

- Examples

# Questions?