

Optimization Suites

Why an optimization suite from OptiRisk Systems?

- Because [we have carefully selected the best](#) modelling systems and have combined them with a powerful solver to give a complete solution for your Linear, Integer and Mixed Integer, Quadratic, and Integer Quadratic optimization application
- Because [we want you to be able to choose](#) what you like in one "stop", without worrying about limited features or worrying about combining products from different vendors
- Because [we have the long-standing experience and a wealth of services](#) to help you get started, and to support you once you're on your way
- Because [we know optimization and its applications](#) like the back of our hand, and we want to make sure that you succeed in what you want to do

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Analyst Optimization Suite

This suite is at the cutting edge of optimization software technology. Based on the MPL Modeling System from Maximal Software, and our own FortMP Optimization System, the [Analyst Optimization Suite](#) is a one-stop solution for all your optimization needs.

Develop models using the highly acclaimed MPL graphical user interface with its model browser, integrated matrix viewer, seamless database and solver support. For a rapid development and deployment of an optimization solution, for decision support, nothing beats the wealth of features offered by the [Analyst Optimization Suite](#).

If you are looking for an educational solution then the [Analyst Optimization Suite](#) is the most appropriate suite available in the market.

Developer Optimization Suite

The developer suite is the solution you are looking for if you want to develop a highly customized optimization-based decision system. In this suite, our own FortMP Optimization System is seamlessly integrated with the Optimax2000 callable modeling library from Maximal Software. You can use the [Developer Optimization Suite](#) from Excel, Access, or develop your own system using Visual Basic, Visual Basic for Applications, Visual C/C++, Delphi, or any RAD environment that supports ActiveX technology.

Specialist Optimization Suite

If you are looking for a cost-efficient way to build and deploy your optimization solution, then the [Specialist Optimization Suite](#) is the solution for you. Our FortMP Optimization System is embedded in the [Specialist Optimization Suite](#) which is based on the ever popular command line version of the AMPL Language for Mathematical Programming from Lucent Technologies. The suite includes database support with Open Database Connectivity (ODBC). It runs out of the box in Windows, UNIX and Linux, at a competitive price.

NonLinear Optimization Suite

Our new [NonLinear Optimization Suite](#) combines the powerful modeling constructs of the AMPL Language for Mathematical Programming with the large scale non linear optimiser SNOPT of Stanford University. The [NonLinear Optimization Suite](#) enables you to rapidly develop and solve the complex non linear optimization models which are typically found in financial, engineering, and other scientific applications. It runs out of the box in Windows, UNIX and Linux at a competitive price.

Contact:

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OptiRisk
SYSTEMS

Optimization Suites Summary Table

	Analyst	Developer	Specialist
Tools	MPL Modeling System FortMP Optimization system	OptiMax 2000 Modeling Callable Library (*) FortMP Optimization System	(Command Line) AMPL Modeling Language FortMP Optimization System
Use	Intended for use by Analysts who wish to develop various ad-hoc decision support systems utilising corporate or departmental databases and/or data marts. The main objective is to rapidly prototype mathematical programming applications.	Intended for use by Developers who wish to develop custom, application specific DSS for end users. Use RAD environments such as VBA, VB, VC++, or Delphi to build applications from the ground up, or integrate a complete optimization system into your favourite MS-Office Application, like Excel, Access or PowerPoint.	Intended for use by Analysts and Specialists who wish to develop MP applications. The lack of a user interface is counter balanced by the wealth of modeling features (including procedural modeling constructs) and the ability for rapid application deployment thanks to the command-line interface.
Applications	Use this suite to develop models for resource allocation, scheduling, portfolio management, and risk modeling among others.	Use this suite to develop applications for resource allocation, scheduling, portfolio management, and risk modeling, among others.	Use this suite to develop models for resource allocation, scheduling, portfolio management, and risk modeling among others.
Options	Solver support for Linear, Integer, Quadratic, and Integer Quadratic Programming.	Solver support for Linear, Integer, Quadratic, and Integer Quadratic Programming.	Solver support for Linear, Integer, Quadratic, and Integer Quadratic Programming.
Highlights	ODBC Database Connection. Seamless Graphical User Interface (GUI) – based Optimiser Settings. Model Browser. Optimization Log Display.	ODBC Database Connection. Seamless Solver Integration.	ODBC Database Connection. Seamless Solver Integration. Optimization Display.
Platforms	All MS-Windows operating systems. Linux, and Solaris. Other platforms available on request – contact for details.	All MS-Windows operating systems (Win 95/NT4 or better).	All MS-Windows operating systems, Linux, and Solaris. Other platforms available on request – contact for more details.

(*) Notes
(A licensed copy of the MPL Modeling system is necessary for model development)