

Add Optimization to Your Planning Models With LINDO API

Get the right solvers for all of your applications.



For over 35 years, LINDO API has helping people make better decisions across nearly every industry and business discipline, such as:

- Blending: Petroleum, Feed, and Metallurgy industries.
- Supply Chain Design in multiple industries.
- Cutting stock: Paper, Metals, paper converting, printing, metals, and clothing industries.
- Auction and Market Clearing: Electric Power and Gas Distribution, Class Scheduling.
- Resource Extraction Long Range Planning: Mining and Petroleum Production.
- Revenue/Booking Limits Management, Overbooking Limits, Bundle Pricing, Credit Scoring and Classification, Shelf Space Allocation.
- Advertising and Marketing: Media Selection, Sales Territory Realignment, Sales Call Planning.
- Financial Portfolio models of all sorts: Cardinality and min-buy constraints, Value-at-Risk, Index matching, Hedging.
- Electric Power: Nonlinear Optimal Power Flow, and Generator Scheduling/Unit Commitment, Hydro Power Flow management.
- Staff Scheduling: Call Center Management, Health and Maintenance Personnel Management.
- Planning Under Uncertainty: Financial Planning, Fuel Purchasing, and the Auto Industry.
- Routing: Determine which stops should be assigned to each truck and the order of stops.
- Purchasing: Determine amount to buy from each vendor, given their price/discount terms.

Exploit the power of LINDO quickly and easily.

LINDO API has extensive problem type recognition capabilities so that for most problems it will automatically choose the appropriate/fastest solver for your problem type. Value-at-Risk models with a second-order cone algorithm, nearest valid correlation matrix and min and max eigenvalue problems with a semi-definite programming algorithm. Nonconvex nonlinear models with a global and multi-start solvers. Easy handling of logical constraints.

Use it in your favorite environment.

LINDO API's solvers are available with a variety of interfaces and on a wide range of platforms, allowing you to operate in the environment which is most convenient and in which you are most comfortable.

- If you like spreadsheets, *What'sBest!* allows large scale optimization modeling within Excel.
- If you prefer the power and convenience of modeling languages, you can access the solvers through GAMS, LINGO, MPL, and a variety of industry-specific planning systems (contact LINDO for more information).

Contact LINDO Systems today to discuss your modeling needs or request a trial version at:
www.lindo.com/freetrial



LINDO SYSTEMS INC.

www.lindo.com / 800-441-BEST / 312-988-7422 / info@lindo.com