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## GAMS

## High-Level Modeling

The General Algebraic Modeling System (GAMS) is a high-level modeling system for mathematical programming problems. GAMS is tailored for complex, large-scale modeling applications, and allows you to build large maintainable models that can be adapted quickly to new situations. Models are fully portable from one computer platform to another.
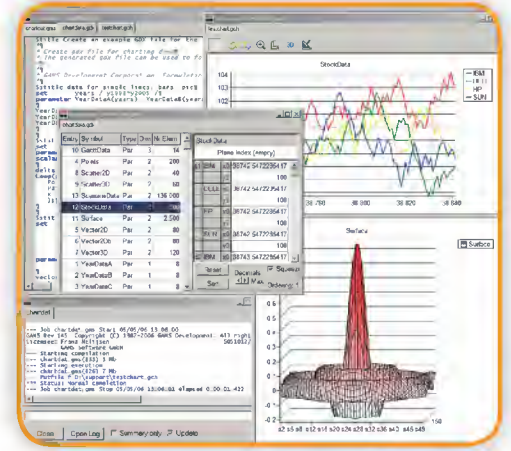
## State-of-the-Art Solvers

GAMS incorporates all major commercial and academic state-of-the-art solution technologies for a broad range of problem types.



GAMS Integrated Developer Environment for editing, debugging, solving models, and viewing data.

## Day-Ahead Scheduling (DAS) Solver

DAS Solver, developed by the Power Systems Laboratory of Aristotle University of Thessaloniki, is an integrated software for the solution of the Day Ahead Scheduling of the Greek wholesale electricity market.

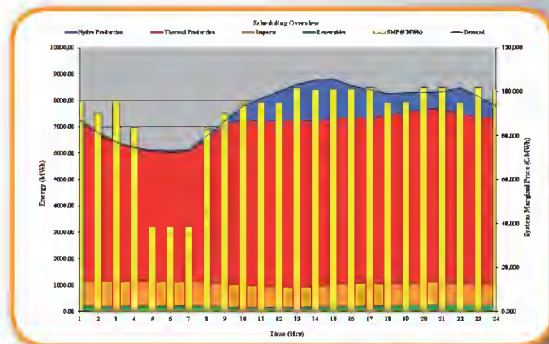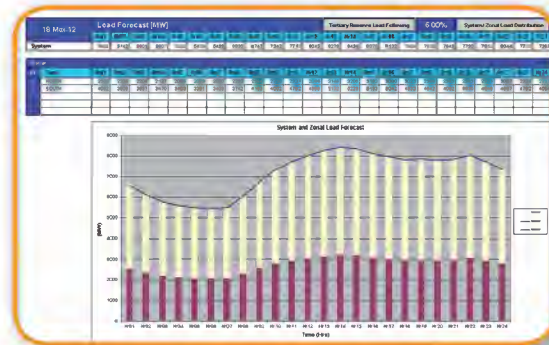It uses advanced Mixed Integer Programming (MIP) modeling under GAMS/CPLEX to formulate and solve the Greek day-ahead electricity market clearing problem, respecting all the provisions of the relevant Electricity Code. It has a user-friendly Microsoft Excel-based Graphical User Interface, providing a variety of graphs and tables of the market clearing results. DAS Solver is used by almost all major electricity market participants in Greece to maximize the benefits of their participation in the day-ahead electricity market.







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