



## WE HELP SOLVE COMPLEX PROBLEMS AND IMPROVE THE EFFICIENCY OF YOUR MATHEMATICAL MODELING

GAMS' expertise and experience has been proven through three decades of developing and refining high-quality optimization models across a wide variety of industry domains. Teaming up with your experts, we help to enhance your optimization experience and improve the outcome of your decision making.

Mathematical modeling is the process of using mathematical entities such as sets, parameters, equations and variables to represent, analyze and solve real-world decision problems.

### OUR SERVICES INCLUDE:

#### **Model Development**

Short on modeling experience? We work with your experts to develop tailor-made decision support solutions.

#### **Model Improvement**

If you already have a working model, we can help improve performance significantly.

#### **Model Deployment**

You have a model and need to roll it out? We can help with deployment and UI development, from 100% local to 100% cloud.

#### **Workshops and Training**

Learn from our experts about modeling best practices, data exchange techniques, performance tuning of your models and much more.

# A CLOSER LOOK ON OUR SERVICES:

## Model Development

Teaming up with your industry-specific experts, our experienced PhD-level optimization specialists craft innovative solutions that precisely meet the requirements of your business.

Our tailor-made optimization solutions deliver a high business impact and improve your business's decision-making abilities.

You won't need extensive knowledge of mathematical modeling – we've got you covered, making the process smooth and efficient.

## Model Deployment

With GAMS MIRO and GAMS Engine, we provide the tools to efficiently deploy your GAMS-based optimization applications for your users! Share your needs and requirements for a graphical user interface with our team of experts who will design and develop a web application based on GAMS MIRO as a front end to your model.

We can cover everything from simple table views to highly customized dashboards with tailor-made charts to visualize your model inputs and outputs. Once your model has been turned into a MIRO application, our experts will help you select and implement a suitable deployment option, from 100% local to 100% in the cloud.

## Model Improvement

Are you experiencing issues with performance, maintainability, or usability of your GAMS model?

Our PhD-level optimization specialists can help you analyze and improve your existing model, ensuring that it meets the specific requirements of your business while providing optimal performance.

Our experts are experienced in dealing with highly complex models that have grown over decades in such a way that maintainability becomes a problem. Use our model improvement services - from small adjustments to complete overhaul - to make your GAMS model fast and future-proof.

## Training and Courses

Improve your teams' skills with our training and workshops on optimization using the GAMS tool stack.

Our optimization specialists will provide on-site or online training customized to your specific learning requirements. Popular training includes:

- GAMS data exchange
- Best practices modeling with GAMS
- Parallelization
- Performance Profiling and Performance Improvements
- GAMS APIs
- GAMS and Python
- Deployment of GAMS Models



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