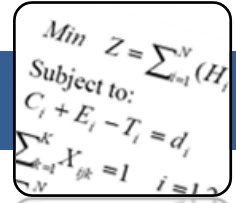
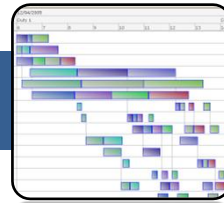




MathLan
M A T E M A T I K A



The Company

MathLan Matematika S.A. provides optimization technology for the simulation software industry. We are specialists in developing heuristics and meta-heuristic algorithms. To develop mathematical models and optimization algorithms, MathLan works together with major Spanish Universities in collaboration with other International Universities. The members of our Department of Science belong to the Autonomous University of Madrid and the University of the Basque Country. We are experienced in international projects and advised by the renowned mathematician Enrique Zuazua.

Solutions

MathLan deliver optimization solutions are designed to meet the business and technical requirements of commercial and government organizations. We develop our solutions for companies in different sectors:

Human Resources Planning

Manufacturing process flow

Scheduling and operation planning

Artificial Intelligence

Consulting and Technical Services

Benefits

MathLan provides reliable and profitable software solutions. Our main objective is to generate more rapid and efficient algorithms that reduce waiting times and provide a better use of the stored information. I.e. our aim is to:

Reduce scheduling time

Increase resource productivity

Reduce Production time

Make work schedules more efficient

Improve the customer service quality

Technology

The fundamentals of our work are techniques from operational research and applied mathematics. For a better understanding of the significant underlyings we model them as real processes. So later on we can manage them in an optimal way. Therefore we use techniques like:

Linear/Integer programming

Genetic algorithms

Tabu/Scatter Search

Simulated annealing

Swarm methods

Hybrid methods



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Business Optimization Solutions