



# Ad Hoc Logistics Optimization

## DEVELOPMENT AND APPLICATION OF ROUTE OPTIMIZATION MODELS

### KEY WORDS

ROUTE  
OPTIMIZATION,  
MULTI-OBJECTIVE  
SOLUTION,  
DISTRIBUTION

### DESCRIPTION

The service offers the development and application of route optimization models for companies that distribute plastic products. Through multi-objective solutions based on the VRPSD (Vehicle Routing Problem with Stochastic Demands) approach, the aim is to minimize travel times and maximize service to priority customers, taking into account demand variability. The model, implemented in user-friendly environments such as Excel and Visual Basic, improves operational efficiency and logistics planning.

### AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- VRPSD (Vehicle Routing Problem with Stochastic Demands) model and delivery priorities.
- Demand with probability distribution
- Visual Basic – Excel

### APPLICATIONS

- Distributors of containers, packaging and plastic items

### CONTACT US

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