

# AUTOMATED ROUTES PLANNING

Private Enterprise «Parus»

ABM Rinkai TMS

Client Company:	Private Enterprise «Parus»
Business:	Distribution
Project description:	Automated delivery route planning Consulting support Technical assistance

19%

Delivery costs decreased

17%

Number of served clients per route increased

Average vehicle load

93%



## About Company



### Private Enterprise

#### «PARUS»

Exclusive distributor of TM  
«Obolon» production in eastern  
region of Ukraine.



More than 40  
vehicles




Serving 2  
warehouses



160  
Workers

## Project Background

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- High delivery costs.
  - Complexity of resource management taking into account seasonality.
  - Lack of route sheet with sequence of visits to outlets and time of arrival to the client.
  - Need in automated planning system and route control.
  - Negative impact of human factor on route planning process.
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# The Project Course

**System implementation** was executed at 2 warehouses simultaneously. In 3 weeks after beginning of works, vehicles were driving along the planned by ABM Rinkai TMS routes.

1

Exact geographical coordinates of delivery points were aligned.

2

Actual clients' time windows were reconciled.

3

Automatic data exchange with accounting system was adjusted, which provided fast order loading in ABM Rinkai TMS and route plans unloading in the accounting system.

4

Data exchange was realized with GPS provider of transport monitoring LLC Donbass Partner Group. That provided a high-quality tool of driver's control and plan /actual analysis.

5

There was suggested a route planning mechanism taking into account visits to petrol stations.

6

Trainings for "Parus" company employees on how to work in ABM Rinkai TMS system were held.

7

Necessary settings were input into ABM Rinkai TMS system, analytics is adjusted according to the company's business processes.



## Project results and effects



The route planning process has been **automated**; route performance control and efficiency are assessed.



Planning time significantly reduced: maximum time taken into account all restrictions is no more than 30 minutes.



The system allows to prepare reports quickly and conveniently. These reports are the backbone for making reasonable management decisions.



With analytics module, it became more convenient to assess efficiency of transport use, analyze profitability of delivery points and estimate customer service quality.



The priority of vehicle loading proceeding from the constituted routes, the accurate client visiting order is specified in a route sheet.

Effects from  
ABM Rinkai TMS  
implementation



- Average vehicle loading by weight is **93%**
- Number of served clients per route increased by **17%**
- Expenses on 1 kg product delivery are cut down by **19%**
- Number of exported products per 1 km increased by **17%**
- Delays to the client reduced (**no more than 1%**)



RU +7 (495) 204-15-09  
UA +380 (44) 207-39-55  
PL +48 (22) 206-21-05

[www.abmcloud.com](http://www.abmcloud.com)  
[sales@abmcloud.com](mailto:sales@abmcloud.com)