

UMT Connector: Wialon → ERP route

Add-on solution for integrating the Wialon platform with the Customer's ERP system to automate route management in transport logistics

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Add-on solution for integrating the Wialon platform with the Customer's ERP system to automate route management process in transport logistics.

The majority of companies exploiting either own or rented fleets generate route tasks and cargo transportation mode requirements in the ERP system, while using the Wialon GPS tracking system to monitor their implementation. However, these IT systems tend to be unrelated, thus hindering operational control over the fulfillment of the scheduled route task and filling the data in the ERP.

Issues with manual flight control

- Late response to deviations

Discovering delays, non-delivery to the point, or violations of the cargo transportation mode upon completion of the route, once it is too late to intervene

- Plenty of manual work

Logistics specialists fail to control the route, working in multiple systems and messengers simultaneously.
Data on the completed route is entered into ERP manually

- Customer complaints

Customers remain frustrated with the quality of service due to delays and untimely notification of delivery progress

- High logistics costs

The entire mileage and downtime, both targeted and non-targeted, is paid for.
Low vehicle turnover.

- Cargo loss

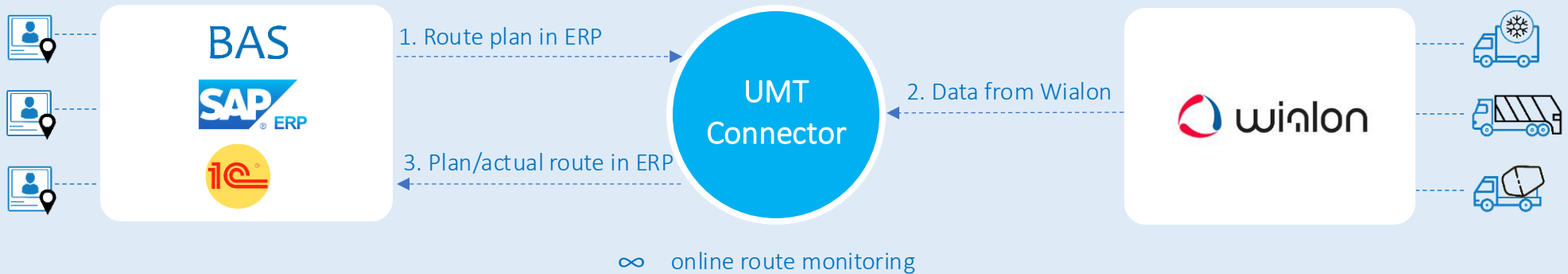
Discovering non-compliance with the cargo transportation mode at the end of the route, once it is too late to save the cargo

- Customer loss

Customers migrate to competitors as they are frustrated with the quality of service

We offer the UMT Connector solution to automate delivery route management through flexible integration the Wialon system with the user's ERP system.

Integrate data and automate transport logistics management



UMT Connector is intended for

- ✓ Logistics companies
- ✓ Road hauliers
- ✓ FMCG
- ✓ Retail
- ✓ Waste removal operators
- ✓ Wialon and ERP integrators

Online data feed to ERP system

Route plan in ERP

Route scheduled

- Route number
- Vehicle number
- Route
- Scheduled mileage
- Scheduled loading point, date and time of the route start
- List of unloading points/checkpoints and time slots for visiting
- Sequence of passing unloading points
- Scheduled route finish: place, date, and time
- The required cargo transportation mode: temperature in the truck refrigeration, operation mode of the cooling unit, etc.

Plan/actual route in ERP

Execution of a scheduled route

- Flight status: not started, in progress, partially completed, completed
- Start of the flight execution: arrival time, loading stage, departure for the route
- Visiting unloading points: arrival time, stay duration, departure time
- Status of visiting unloading points: on time, late, ahead of schedule, not visited
- Sequence of passing unloading points
- Passing checkpoints on the route: arrival time, late, ahead of schedule
- Distance along the route
- Route duration
- Time of route completion
- Vehicle online tracking
- Event notifications via Telegram

Arrival prediction

- Predicting the date and time of the vehicle's arrival at the delivery point/unloading warehouse along the route
- Remaining distance to travel on the scheduled route
- Time required to complete the scheduled route

Route deviations

- Route deviations: time, track, duration, deviation mileage
- Number of deviations
- Deviation notifications via Telegram

Monitoring the compliance for the cargo transportation mode

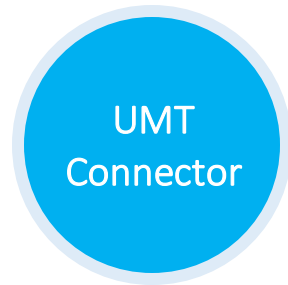
- Temperature in the refrigerated truck, operating modes of the refrigeration unit, etc.
- Readings at the loading/unloading point, deviations, status of mode compliance on the route
- Notifications about deviations from the scheduled cargo transportation mode

Route analytics

- Number of routes in progress
- Route execution statistics for the period: number of completed or canceled routes
- Delivery on time: % and number of on-time and off-time deliveries
- Mean route time: city, intercity, international
- Mean loading/unloading time for the period

Data from Wialon

- Auto
- Tracking
- GPS data: coordinates and speed
- Distance traveled
- Travel time and duration
- Parking and stopping time and duration
- Visiting geo-fenced zone
- Sensor readings: temperature in the refrigerated truck, operating modes of the refrigeration unit, etc.



Benefits of using UMT Connector



Route control automation in ERP

Real-time monitoring of compliance with the route schedule and cargo transportation modes directly in your ERP system



Cost reduction

Decrease in the cost of transportation logistics by 10-20% by reducing overruns and shortening the route execution time



Service - Level improvement

Improving the level of customer service by ensuring on-time delivery, prompt response to deviations, online monitoring of temperature compliance during the delivery route, etc.



Speed and scalability

GPS data processing at the UMT Connector side.
Implementation in 2-4 weeks.
Unlimited data processing options for integration.

UMT Connector implementation cases

Kyivklib, Ukraine



Ukraine's largest bakery producer

Zammler, Kazakhstan



International group of logistics companies

GTAL, Ukraine



Transportation logistics provider



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