

TrendRout API Service

For Efficient Logistics and Transportations

Email: info@trendplus.se
Website: trendroute.ai



About Us

- TrendPlus Company is a Swedish IT consulting firm specializing in AI/ML solutions for logistics and transportation industries.
- Supported by a team of Ph.D.-level experts in computer science, data science, and applied mathematics, TrendPlus brings deep technical expertise to deliver innovative and impactful solutions.





TrendPlus Products

TrendRoute

Last-mile delivery API

TrendRoute

Food delivery API

Ecolos+

Last-mile delivery
platform

TrendBot

Chatbot

Custom

Solutions

Product features



TrendRoute (Last-mile)

- Feature
- Traffic Prediction
 - Flexible Optimization Criteria
 - Customizable Constraints
 - Bike Specific Routing
 - Comprehensive Analytics Dashboard

TrendRoute (Food delivery)

- Feature
- AI-Powered Routing
 - Accurate ETAs
 - Flexible Optimization Criteria
 - Bike Specific Routing
 - Analytical Dashboard

Ecolos platform

- Feature
- AI-Powered Route Optimization
 - Ultimate Control over Route Optimisation
 - Real-Time Live Tracking
 - Intelligent Support Chatbot
 - Automatic Hub Assignment

TrendBot

- Feature
- Hybrid Prompt-Based and Rule-Based
 - Ticket management
 - Cancel/postpone Delivery
 - Multi-language support



TrendRoute

Last-mile delivery API

TrendRout

Introduction

Our service simplifies delivery management by efficiently planning routes for a single pickup point (hub) and multiple delivery locations. This API can be easily integrated into your logistic platform to generate efficient routes.

The API takes as input :

- Hub Details
- Delivery Details
- Vehicle Fleet
- Custom Constraints like maximum route distance, duration, or the number of deliveries per route.
- Optimisation Goals such as minimising route duration, distance, or cost.

POST /api/v1/route-optimization/single-route-optimization

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

```
{
  "cost_per_hour": 3600,
  "cost_per_km": 1,
  - "hub": {
    "latitude": 59.31065196634927,
    "longitude": 18.085074247493367
  },
  "max_distance": 100000,
  "max_duration": 100000,
  "max_number_orders": 50,
  "optimization_criteria": "duration",
  - "orders": [
    + { - },
    + { - },
    + { - }
  ],
  - "vehicle": {
    + "time_window": [ - ],
    "volume_capacity": 12,
    "weight_capacity": 20
  }
}
```

Core functionality



Cutting-edge Vehicle Routing Problem solvers that can be easily tuned based on your preferred criteria and constraints



Specify optimization criteria like distance, duration, or cost minimization.



AI-driven predictions for service time, traffic forecasting, and ETA



Providing an option for customers to store the generated routes for one week, free of charge



Customer support chatbot

Showcase



- Over **300,000** efficient deliveries (cost saving: ~1.5 Sek per delivery, 450K per month) per month in **Sweden** and **Denmark** using its generated routes, demonstrate its great impact.

Benefits for Your Business



Gained Competitive advantages:

Deliver faster, greener, and time-predictable to stand distinct in the logistics landscape.



Reduced Operational Costs:

With optimal routing, witness diminished miles, lowered fuel consumption, and shorter delivery period



Elevated Customer Satisfaction:

Punctual deliveries, precise ETAs, and a greener footprint are sure to win customer trust and foster loyalty.





Scalable Solutions:

Fitting perfectly for enterprises of varied scales, from local storefronts to vast retail giants.



Predictable & Timely Deliveries:

Using AI/ML, we provide predictions of ETA of deliveries with good accuracy to diminish delivery uncertainties



Flexible Pay-Per-Use Model:

Embrace financial flexibility with our unique pay-per-use cost model.



Advantages :

One-Month Free Trial

Experience our API service entirely **free of charge** and with **no obligations**.

Simple to use API

Intuitive endpoints with minimal setup for quick integration and simple documentation and examples.

Dedicated Support

Consistent and proactive support, available both on weekdays and weekends, **for free**.



Customisation for Your Needs

Fully customisable platform, empowering you to **add or modify features** as your business demands.

Sustainable Route Planning

Takes into account vehicles fuel consumption, aiming to drastically reduce your operational **costs** and **carbon footprint**.

Unbeatable Pricing in Europe

We not only offer the **lowest price in the region** but also very flexible cost model.

Plans For Every Team

BASIC

For Up to 500 Orders

\$0.02

per delivery location

- ✓ Optimization Criteria
- ↔ Customizable Constrains
- 🕒 Driver Rest Time

GET STARTED

STANDARD

For Up to 1000 Orders

\$0.022

per delivery location

- 📈 Analytics Dashboard
- 💰 Custom Cost Functions

GET STARTED

PREMIUM

For Up to 1000 Orders

\$0.03

per delivery location

- 🔗 Congestion-Aware Routing
- ✓ Hazardous Load Routing
- ☁ Traffic Prediction

GET STARTED

ROUTE OPTIMIZATION API FOR FOOD DELIVERY



TrendRoute Food delivery API

Strengthen your food delivery platform using our

- AI-based route optimization API
- Optimize delivery cost,
- Keep meals at peak quality,
- and wow your customers.

Reduce Costs

Minimize fuel and labor expenses with AI-driven route optimization.

Faster Deliveries

Cut average delivery times by up to 20%, ensuring hot, fresh meals.

Higher Satisfaction

Boost customer ratings with on-time, temperature-safe deliveries.

Basic



- API access
- Usage dashboard
- Monthly invoicing

2 sek
per call

Standard



- All Basic features
- A small database
- Visualization dashboard for route maps

3 sek
per call

Premium



- All Standard fetures
- a full database
- Advanced analytics dashboard
- Support for machine learning insights

10 sek
per call

MEET OUR TEAM



Hamid Faragardi, PhD

CEO



Jennie Sahlen

Sales Specialist



Amirhossein Esmaili

Customer Support



Ali Soufali

Tech Lead