Lyncxx Special Transport Planner

Route planning for special transports and taking care of the associated documents can be complex and time-consuming. The Lyncxx Special Transport Planner (STP) is a SaaS system which supports and smoothens the calculation and scheduling of special transports which are subject to restrictions regarding safety, height, length, and weight. Similarly, Lyncxx STP provides the fastest route for emergency services.

For highway authorities and road owners it is a specialized map-based solution to plan and approve routes for the transportation of special consignments such as abnormal loads and dangerous goods. Haulier companies gain significant competitive advantage by effectively reducing the number of vehicles required, their mileage, and their time in operation. For emergency services it vastly improves their time to respond to incidents and accidents.

The system allows to plan routes on Android or iOS devices or in a back-office, uploading it to a smartphone or a navigation device. When planning a route, the platform automatically considers specific vehicle characteristics, actual road restrictions, roadworks and multimodal route alternatives, thus eliminating the risk of being stuck with valuable cargo on a restricted road or forcing drivers to read detailed route guidance from paper.

Modules

🖥 Core system

Smart algorithms are at the heart of Lyncxx STP, surrounded by a variety of tools: there is a customized dashboard, an integrated map to use for daily operations, and a highly efficient database.

📍 Track & Trace

The system allows companies to efficiently manage their transports in motion. Management may view the position and countless other relevant factors of any transport in progress, drastically improving the safety and efficiency.
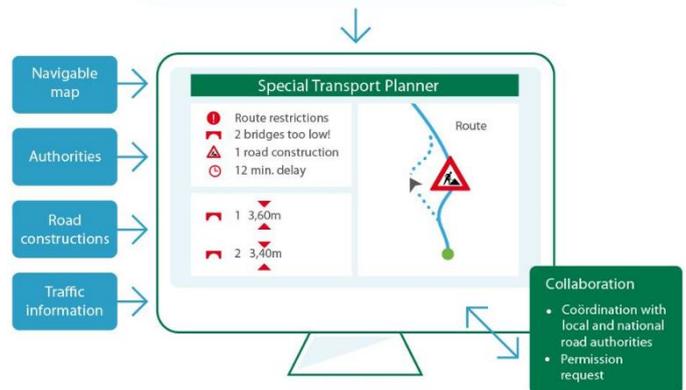
🗺 Route planner

If necessary, the planner may override traffic rules and road signs, for example to allow an emergency vehicle to run a red light or enter a one-way street from the wrong side.

📱 In-truck GPS navigation App

The in-truck app enables drivers to follow prescheduled routes, avoiding possible errors and making their trip smooth and safe.

Advantages

The Lyncxx Special Transport Planner is an established solution to improve a company's managerial duties. Key advantages to using this product are:

Traceability of actions

Management will be able to achieve complete control on the fleet and their movements. The systems will enable the business to view in real time how the fleet is operating. Management can do reviews with the use of actual and historical data.

Significant repeated cost reduction

The Route Planner uses complex algorithms that allow businesses to effectively cut their costs to do with mileage, time and paper.

Operational efficiency

Using Lyncxx STP simplifies managerial duties and avoids time loss, allowing management to control and organize their fleet in the best way possible, drastically reducing time spent on organizing the transport of special vehicles as it considers numerous variables.

Highly customizable

The system is highly customizable to seamlessly match business needs. Users will be able to tune the system to create the optimal solution for their operations.

Use Case: abnormal loads handling at RDW (Netherlands)

The Dutch vehicle authority, RDW (Rijks Dienst Wegverkeer) provides the registration of motor vehicles and driving licenses in the Netherlands. It is an independent administrative body of the Dutch government. The RDW offers the Digital Exemptions Roadmap (Dutch: Digitale Wegenkaart Ontheffingen) as a public service to road users carrying special transports, this type of transportation being a major part of the Dutch economic system. This Roadmap uses the Lyncxx Special Transport Planner to calculate and display tailored routes for the transport of abnormal loads through the Netherlands.

Use Case: abnormal loads handling at Highways England

Highways England is a U.K. government company charged with operating, maintaining and improving England's motorways and major A roads. The Lyncxx Special Transport Planner entity is the core component of their ESDAL (Electronic Service for the Delivery of Abnormal Loads) system, which takes care of the planning of abnormal loads throughout the country. The initial Esdal system was supplied by ARS T&TT to Highways England in 2014. It was upgraded to Esdal3 in 2018.

Our support

ARS T&TT provides its clients with complete end-to-end solutions comprising both software and hardware. We will work with our clients through all phases from business analysis, design, development, installation, hosting and maintenance and 24/7 support.

ARS T&TT Company Profile

ARS T&TT was founded over 20 years ago and prides itself on delivering high quality end-to-end ITS solutions. The knowledge base at ARS T&TT is continuously growing and offers solutions in a large variety of sectors including: Smart Mobility, Traffic Management, Smart Parking, Public Transport, Data Warehousing & Sensoring, Planning & Logistics, Marine Technology and Enforcement.

The Lyncxx STP system is part of the Planning & Logistics department, a team with extensive experience in the field of logistics and transportation. The team's strength is their collective knowledge and diverse expertise, including optimization mathematicians, project and service managers, architects, software engineers, developers, and testers.

Contact us

We deliver the highest quality ITS solutions tailored to our customers' needs. If you are interested in our solutions or would like to see how we can optimize your specific business needs, do not hesitate to contact us.

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