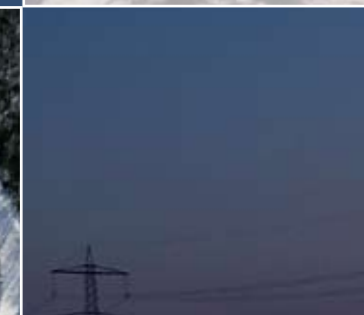


Efficient and safe car testing is based on control over the location of the test vehicles and where they may drive.



nelson ▶



Nelson gives you all essential test data.



Here the chosen test route has been transferred to Google Earth®.

Let Nelson ride along in your test vehicles and quickly become a popular co-driver.

Nelson can also help you organise all your test road and workshop bookings. The software features a user-friendly booking calendar for the company's resources.

Please contact one of the following to learn more about Nelson and Rajd SysTech AB:

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Nelson has been developed by Rajd SysTech AB and is a versatile web-based solution for monitoring cars on test tracks and roads. Other innovative functions include measurement data management, planning and test methods.



www.rajdsystemtech.se

Nelson a smart co-driver for safer car testing.





Total control

Total control

Nelson gives you total control over all test vehicles. Nelson tells you the position of the car and its speed via wireless transfer of GPS data. You receive the information in seconds to your server and web browser. The car's position is stored and the route can even be presented on a map, drawing or photograph at a later date. All data is available via the Internet to authorised users.

You can follow the car precisely on the map as well as when different test areas may be accessed or must be left. All events and non conformity are presented in activity lists and when combined with maps make up a good basis for test reports.

Easy to install

Nelson is easy to install in test vehicles and requires no permanent, costly installations at the test site. The software is built using "Open source" components and is totally supplier-neutral.

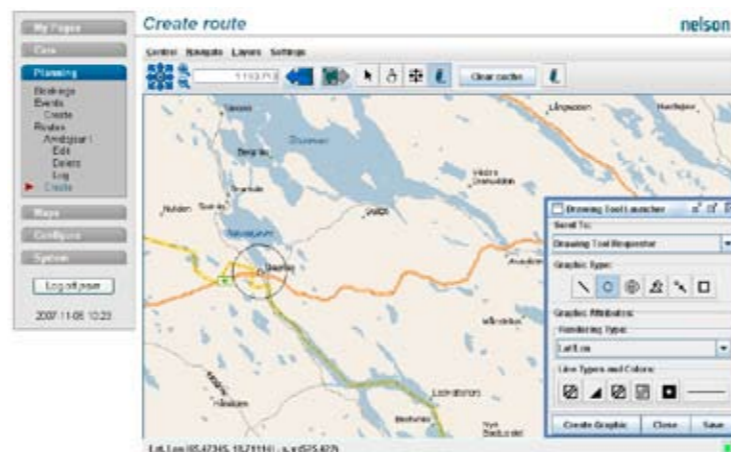
High security

The requirements specification behind Nelson is based on custom applications, specifically aimed at car testing activities. Information security is very high on account of multi-level log-in procedures and encrypted wireless transfer of measurement data and data management.

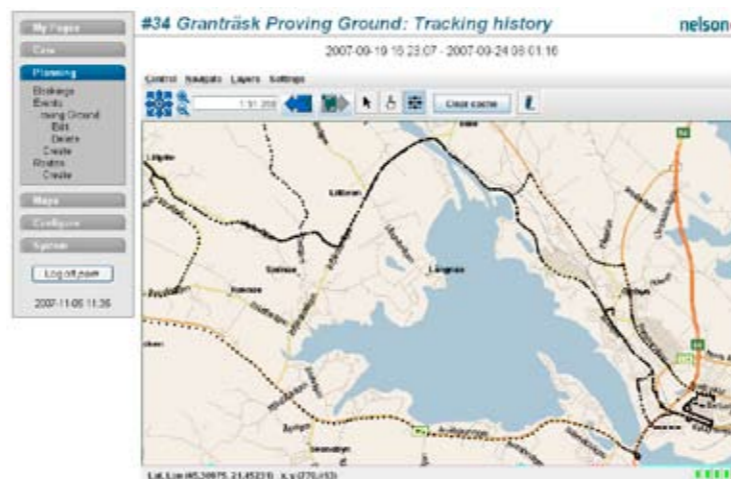
Easy to install

High security

Application



Virtual fences, GeoFence, are constructed in Nelson to control, e.g. where a vehicle may or may not go or to force it to maintain a specific speed. The system gives an alarm for different events, for example, if contact is lost or if the conditions for a geographical area are overstepped.

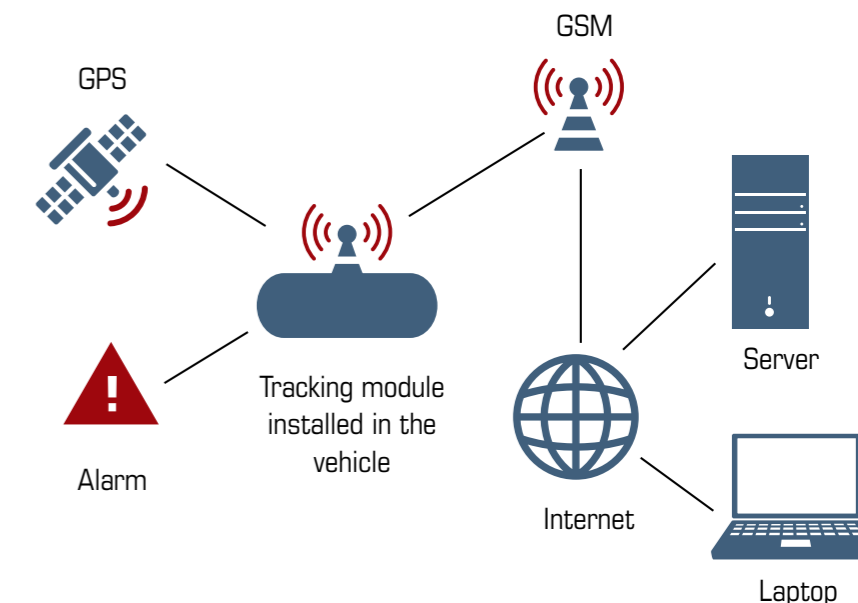


Track History allows you to playback how a car was driven, its speed and at what times.



The booking calendar provides the test leader with a good overview of booked activities.

System solution



Tracking module

The module is usually placed on the floor by the rear seat or in the luggage compartment. The power supply is taken from the cigarette lighter or the like. The GPS antenna is placed on the roof using the magnetic base or close to a window. The GSM antenna is placed as high as possible inside the vehicle.

The tracking module is supplied with:

- ▶ GPS receiver with antenna.
- ▶ GSM dual band (900/1800MHz) modem with antenna.

Accuracy

- ▶ Accuracy for positions from the GPS system is 10-20 metres.
- ▶ 20-40 metres applies for altitude in Sweden.

Software requirements:

The application requires at least version 1.6 of Java Runtime Environment [JRE].

Nelson has been tested with the following web browsers:

- ▶ Firefox 2 running on MS Windows and Linux.
- ▶ Internet Explorer 6 and 7 running on MS Windows.

Planned functions

- ▶ Collision alarm.
- ▶ Roll-over alarm.