

Applications of Vehicle History

Current vehicle navigation systems throw away the most valuable information:

The history of when and where the vehicle has been.

We store this history, and our powerful tools mine this information to extract maximum benefit.

New applications are made possible:

Automatic Navigation and Familiar Routing

By incorporating these ideas the need for user configuration and routine input is removed. By simply driving, users will gain most of the benefits of navigation technology.

In many cases only a software upgrade to existing navigation systems is required.

Automatic Navigation

Route guidance, congestion avoidance and awareness of driver workload without any user intervention.

We match what the vehicle is doing now against what it did in the past, as a guide to the future. Destinations, routes, busy periods, speeds and delays can all be predicted.

Without any tiresome button pushing drivers will automatically benefit from these valuable features:

Congestion Avoidance

Using real-time and historical congestion data on the way to the predicted destinations.

Enhanced Routing

Look for the best routes to predicted destinations, and offer them when the turnoff is approaching.

Improved Safety

Hold off distractions (traffic alerts, mobile phone calls) until an easy period of driving is predicted.

The advantage to telematics vendors is:

Market Penetration

If we reach a point where 80% of vehicles on the road have telematics systems, what percentage will be operating at any one time? With Automatic Navigation it will be 100%.

Familiar Routing

Route-finding algorithms that take account of the driver's familiarity with different routes.

Conventional routing engines have preferences such as "Quickest", "Shortest", "Lowest Cost" or "Favour Motorways".

We add two extra preferences:

Most Familiar

Weight the route calculation to favour roads that the driver has used before.

This rapidly adapts to use the driver's own preferred routes, and avoids them having to "force" the route planner to go their favourite ways.

Traversing familiar routes should be safer.

Least Familiar

Weight the route calculation to favour roads that the driver has *not* used previously.

For the more adventurous, this preference can be used when they wish to try a route that they have not used before.

Working with Camvit

We have developed prototypes of Automatic Navigation, Familiar Routing and many other uses of vehicle histories.

The main areas of application are being patented, and the algorithms are now ready for integration with in-car systems.

Our aim is to work with the current providers of telematics systems to bring these ideas into their products, using the most suitable combination of consultancy, contract engineering and licensing.

Selling Points

Marketing

"The car that knows where it is going"

Chief Executive

Usability, Safety, Novelty

Finance

Low cost differentiator

Engineering

Huge new application area

Production

No hardware changes required



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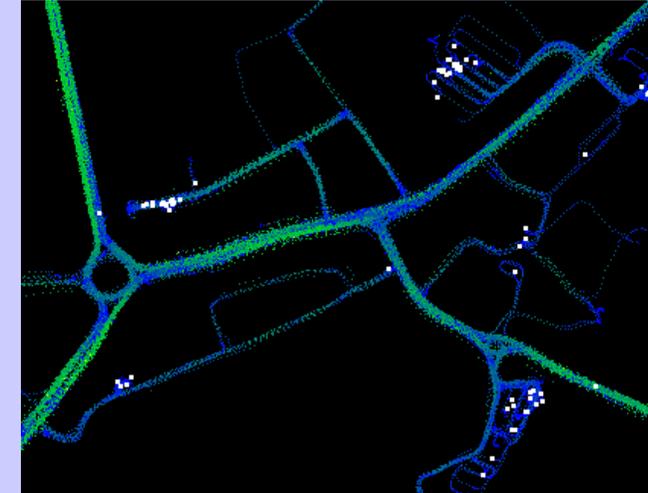
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