

TraksysCS

Realtime AVLS

Thorcom's TraksysCS is a scalable real-time AVLS mapping system designed for users of Conventional, MPT 1327, GPRS or TETRA wireless networks. TraksysCS is able to track the movements of a fleet in real-time, and combines an easy-to-use Windows PC mapping display with a sophisticated central database server.

TraksysCS also incorporates powerful and flexible reporting tools to allow fleet managers to quickly analyse operational performance. The TraksysCS server can support multiple clients which permits systems to range from simple single-seat applications, through internet-connected solutions, up to full scale command and control solutions.

TraksysCS uses the world-standard MapInfo engine, which allows TraksysCS to support the widest range of map data standards. These include map data sets from the UK, usually from Ordnance Survey, many TraksysCS users from the public sector can licence maps at no additional cost. Specialist map data needs, such as Airport maps, or overseas users are able to specify map data in 'MapInfo' format which permits a cost-effective solution to be easily realised.



TraksysCS key features

- Customisable map sets
- Easy-to-use Windows interface
- Single-Seat or Networked Operation
- Geo-fencing with Alerting
- Real-time Optimised
- Dynamic Reporting
- Journey Replays
- Find nearest tool
- Multi-bearer options
- Polled or Auto-Update options

TraksysCS Benefits

- Maximise fleet efficiencies
- Reduce operation costs
- Improve response times
- Adapt scheduling in real-time
- Accurately schedule maintenance
- Monitor working times
- Prove legislative targets are met
- Reduce non-work related use
- Track stolen vehicles

“TraksysCS is a fully scalable real-time mapping solution, designed to meet the needs of performance users, and with worldwide map support”

TraksysCS

Realtime AVLS

Technical Specifications

Server Requirements

P4 2.8GHz, 1GB RAM, 250 GB HDD,
Rack-mount advised

Windows Server 2003 R2 Standard Edition

SQL Server Standard Edition

Client Requirements

P4 2.8GHz, 1GB RAM, 80GB HDD

Graphics - 128Mb Video Memory,
1280 x 1024 minimum resolution

Windows XP Professional (SP2)

TraksysCS Specifications

Support for up to 2,000 vehicles

Support for up to 100 groups

Up to 10 clients per server

MapInfo Compatible Maps

Multi-window desktop

MAP27, GPRS and TETRA bearers

Thorcom or Third-Party AVL sources

Support for 10,000 Gazetteer points

Crystal Reports compatible report tool

Polygon boundary geo-fences

Audio/Visual Alarms and Alerts

TraksysCS supports all Thorcom mobile AVL products, which utilise Thorcom's event-driven AVL methods to make very efficient use of the wireless resource, and provide enhanced telematics capabilities. To complement this, TraksysCS also supports entry-level GPS-enabled radios which utilise a simple polled update for users seeking the most cost-effective options. TraksysCS also supports a 'manual poll' feature, if an instant location update becomes necessary.

The TraksysCS user can simultaneously track vehicles in different windows, which allows managers of large fleets to look at an overall view and a detailed zoomed-in view at the same time. Often-used layouts can be saved to a local workspace for reloading at the touch of a button. TraksysCS includes a simple to use but powerful journey playback facility which allows any vehicle movements to be replayed in the multi-window user interface, and can be viewed in real-time or at an accelerated update rate.

Managers of large fleets can greatly increase their efficiency by making use of the TraksysCS Group controls, which are programmable by the user to suit specific fleet set-ups, and can be used to quickly find vehicles and de-clutter busy screens. TraksysCS also displays vehicle information in a 'Noticeboard' view, which provides sorting and filtering tools against a variety of criteria.

TraksysCS is packaged with a built in gazetteer of major UK towns, cities and motorways, and can be extended to incorporate end-user gazetteer information. All AVL updates are labelled relative to the nearest gazetteer location for increased user convenience. Simple or complex geo-fence boundaries can be easily defined which trigger audio/visual alarms and outbound text messages if a vehicle crosses the boundary. The user can configure TraksysCS to centre the map on the alarming vehicle if required.

The TraksysCS Reporting tool is based on the industry-standard Crystal Reports framework, which is used to generate reports from the Traksys database. TraksysCS is shipped with a standard activity report which lists a selected vehicle's AVL activity within a selected time period. End users are free to design their own reports, or work with Thorcom to create reports tailored to their own specific needs.