

KEYACCIDENT AT A GLANCE

KEYACCIDENT IS THE UK'S LEADING ACCIDENT ANALYSIS SYSTEM ALLOWING YOU TO IDENTIFY ROAD TRAFFIC ACCIDENT CLUSTERS AND DETECT POSSIBLE COMMON ACCIDENT CAUSES

KeyACCIDENT has both a database and data entry module for effortlessly managing accident data and can generate more than 50 statistical and narrative reports

In addition to stick diagrams, balloon symbols can be automatically drawn highlighting the weather, road surface and lighting conditions as well as the severity of the accident.

KEY POINTS

- Easily search geographical areas for RTA's
- Three levels of access for added data security
- Identify accident cluster sites to allow for closer safety monitoring
- Allow for quick and efficient RTA data capture compliant with Stats 21
- Handle complex searches and generate different reports

Version - 7.2.0 - Release Date - July 2015

Technical specification - Intel® Pentium® 4 processor or AMD Athlon®, 2.2 GHz or greater or Intel or AMD Dual Core processor, 3.0 GHz or higher with SSE2 technology Microsoft® Windows 7 or 8 operating systems - 3 GB RAM - 8GB free disk space - 1208x768 with true colour - Microsoft® Internet Explorer® 9.0 (SP1 or higher)

Requires a full copy of AutoCAD 2012, AutoCAD Map 3D 2012, AutoCAD Civil 3D 2012 (or later). The specification above has been derived from the requirements for R2016 products. If running any earlier version of AutoCAD, it will be possible to run a PC with reduced specification. Please contact us for full details.

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KEYACCIDENT



HOW KEYACCIDENT HELPED AYRSHIRE ROADS ALLIANCE IDENTIFY A ROAD TRAFFIC ACCIDENT CLUSTER SITE AND INTRODUCE A ROAD SAFETY SCHEME WITH A 100% SUCCESS RATE

AYRSHIRE ROADS ALLIANCE HAD THE CHALLENGE OF IMPROVING SAFETY AT A SITE IDENTIFIED BY KEYACCIDENT

KEYACCIDENT WAS USED TO IDENTIFY THE CLUSTER SITE, GRAPHICALLY PRESENT THE DATA AND IDENTIFY TRENDS IN ACCIDENTS AT THE SITE

MONITORING THE SITE USING KEYACCIDENT THE REMEDIAL MEASURE INTRODUCED HAS BEEN 100% EFFECTIVE

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ACCIDENT ANALYSIS SOFTWARE

Keysoft Traffic



CHALLENGE

THE AYRSHIRE ROADS ALLIANCE HAS BEEN USING KEYACCIDENT TO CARRY OUT CLUSTER SITE ANALYSIS ON AN ANNUAL BASIS IN EAST AYRSHIRE FOR THE PAST SEVEN YEARS.

The analysis provides information on injury related road accident sites which forms the basis of their annual road safety programme.

One particular site dubbed the A719 Waterside Project kept on reoccurring even though traditional treatments such as bend warning signs, chevrons, road markings and bollards to assist drivers through the section of road had been implimented.

The challenge was how to make this accident cluster site safe for all.

SOLUTION

THE SOLUTION WAS TO CARRY OUT AN IN DEPTH ANALYSIS OF THE DATA TO IDENTIFY THE TYPES OF ACCIDENT INVOLVED AND INTRODUCE A STATE OF THE ART REMEDIAL MEASURE.

HOW WAS KEYACCIDENT USED?

A GIS search of the site was undertaken and the graphical stick diagrams were used to visually present the accident data along with relevant reports to identify trends.

After detailed analysis it was ascertained that those involved in the accidents were predominantly inexperienced drivers or drivers travelling too fast for the road conditions at a site with restricted visibility

This led the team to think about deploying innovative LED active studs in the roadway as a replacement to traditional retro-reflective studs (cat's eyes) in an experimental measure to improve visibility and reduce the number of casualties.

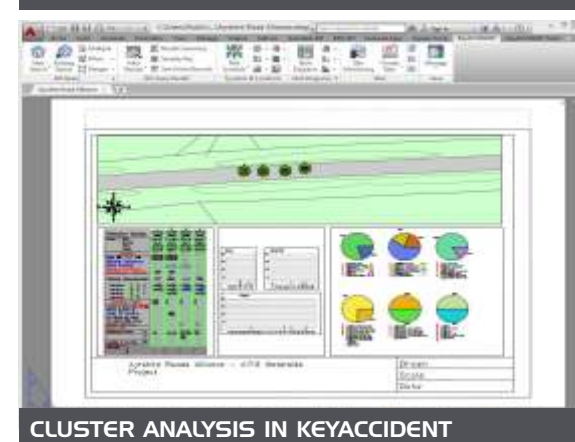
INNOVATIVE SOLAR POWERED ROAD STUDS INSTALLED

The studs were installed along the centre-line of the road and at the edges of the carriageway. The studs also provide a tactile rumble through the vehicle wheels to warn the driver that the centre-line or road edges are being encroached.

In order to enhance visibility the studs are made up of bi-directional LED lights which highlight both the horizontal and vertical geometry of the road.



EXISTING TREATMENTS USED



CLUSTER ANALYSIS IN KEYACCIDENT



THE NEW CATS EYES LIGHTING UP THE ROAD

RESULT

USING KEYACCIDENT SINCE THE IMPLIMENTATION OF THE SCHEME, AND IN PARTICULAR THE SITE MONITORING MODULE, THE A719 WATERSIDE PROJECT HAS BEEN PROVEN TO BE 100% SUCCESSFUL WITH NO MORE INJURY RELATED ACCIDENTS REPORTED.

Due to the success of the scheme Ayrshire Roads Alliance are using the approach of data led analysis for future road safety schemes across the whole of the country.



KEYACCIDENT HAS BEEN ROLLED OUT TO OUR COLLEAGUES IN THE SOUTH MEANING THE TREND OF REDUCING ACCIDENTS IS SPREADING

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AYRSHIRE ROADS ALLIANCE