



Idris eye

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DCS's Royal Appointment

On the 14th July, the DCS team, instead of joining industry colleagues at the IBTTA ORT meeting in Dallas, will be heading to London for a rather special event. Bob & Teri have been invited to Buckingham Palace where they will be presented with DCS's Queens Award for Enterprise - Innovation 2008 by Her Majesty the Queen. This is a great honour for everyone involved with the company and Idris. The day is set to be highly memorable, even for those not attending the Palace reception. While Bob shakes hands with the Queen, the rest of the DCS team are being treated to a unique trip around London on a WW2 amphibious DUKWs which was used to take troops ashore for the D-Day landings - and 'yes, before you ask' Idris could classify it!



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2008

What is 'The Queen's Award for Enterprise - Innovation 2008'

To win a Queen's Award for Enterprise is a significant, prestigious endorsement of British business achievement. Winning a second worldwide acclaimed Queen's Award within 3 years recognises DCS's accomplishment, continued innovation and outstanding contribution to the Intelligent Transportation Systems (ITS) industry.

As a research and development company, DCS needed to evolve Idris into a product range which offered road operators functionality, accuracy and flexibility for the improvement of today's transportation corridors. The team's dedication to evolving the technology to help improve our roads through safer incident and vehicle detection applications demonstrates why they so richly deserve the Queen's Award.



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8th Annual E-470 Transport Safety Foundation Golf Tournament



Promoting safety on the roads is of paramount importance to all those connected with the transportation industry. One of the many organisations pro-active in this area is E-470 Public Highway Authority. Their involvement has taken the shape of The E-470 Transportation Safety Foundation (TSF).

The TSF was formed in 2001 and is a non-profit organisation which raises money for highway safety programs throughout the E-470 corridor in Denver, Colorado.

8th Year of the E-470 TSF Golf Tournament

One of the many unique ways the TSF raise money is through an annual golf tournament. On the 15th August 2008, the TSF will be holding their 8th annual golf tournament at Red Hawk Ridge golf course, Colorado.

The tournament is a great opportunity for all members of the transportation industry to get together, socialise, play golf and raise money for a cause which makes a positive impact on road safety.

Idris is a proud sponsor of the tournament and support continues again this year with the annual sponsorship of a drinks cart - always a popular aspect on course! As well as sponsorship presence, the Idris team are sending a couple of representatives along!

Our two budding golf pros are Managing Director Bob Lees and Business Developer Mike Payne. We hold out little hope their golf is as accurate as Idris!

Last year over 128 golfers participated in the event and raised more than \$15,000 for the E-470 TSF. These funds go to help support and run programs such as child safety seat inspections, Alive at 25, seat belt safety, driver education, and defensive driving courses. In July 2009 the tournament will be run in conjunction with IBTTA's organisation management workshop and will benefit both E-470's TSF and IBTTA's leadership academy. For further information please contact Diane Lundquist (dlundquist@e-470.com).

Intertraffic 2008

In April, the DCS team headed out to the land famous for its tulips and clogs to exhibit at Intertraffic Amsterdam. The week was a great opportunity to launch Idris deep loops, which now enable data collection product loops to be placed in the sub-base of the road surface. In addition, the team were able to show-case the continued advances in Idris technology development with the launch of Nortechs new axle detector card.

The show was a great success, with the Idris stand being a popular destination. This obviously had nothing to do with the red wine or great gifts! Enquiries and follow up actions were taken across the product range with global appeal and positive future potential for several of our ITPs.





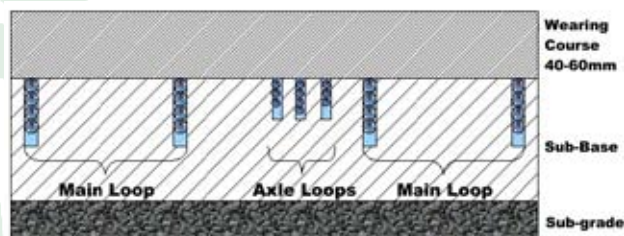
Idris Delves Deeper Axle detection withstands road planing (milling)

Idris now offers axle-based data collection using sub-base inductive loops whilst maintaining >95% vehicle classification accuracy. Installing loops below the wearing course enables the milling of road surfaces without damaging loop arrays. Idris' enhanced deep loop products eliminate the expense of axle detection replacement (loop and/or piezo), reducing further the already low Idris maintenance costs and increasing a system's overall lifespan.

The aim for Idris has always been to provide the best automatic vehicle classification (AVC) technology possible for all environments. Until now, the inductive axle loops used by Idris have needed to be placed close to the road surface. In some environments, where regular road milling is a necessity, this has meant replacing axle loop arrays or piezo sensors. The team at DCS, in association with their Idris Technology Partners (ITPs), have developed a method which now enables inductive loops to be sited deeper into the road surface.

Idris uses enhanced loop detectors to obtain high levels of classification accuracy. Further refining the sensitivity of Idris' enhanced detectors has enabled both the main and axle loops to be placed 50mm (two inches) or more below the surface of the road - previous depths for axle loops were 20mm (three quarters of an inch). There are currently two types of detector which have been tested and Idris-qualified to be used with deep axle loops. These detectors are the TD724ID, supplied by Nortech International, and the Group 7 224 supplied by Quixote Traffic.

At present the new loop depths are suitable for the Idris data recording range only.



A diagram of the loop layout

For further information; www.idris-technology.com
or contact Teri England (teri@diamond.demon.co.uk)



Idris at World Congress 2008

New York conjures thoughts of tall skyscrapers and even longer traffic queues. So, it's not really surprising this years ITS World Congress is to be held there.

From 16-20th November, the Jacob K. Jarvits convention center is playing host to the most cutting edge traffic technology and innovations our industry has to offer from around the world.

After the success of London's World Congress and more recently Intertraffic, Idris, in support of its ITPs, will not only be exhibiting in New York but also delivering a presentation. Bob Lees and Mike Payne will present a paper on the Idris Incident Detection System. This application has been developed to provide an accurate and economical solution to incident detection both in tunnels and on open highways. One such system is currently undergoing trials on the M42, UK.



A Classified Queue from the ADR6000 (Automatic Data Recorder)

The ADR6000TM is the only traffic data counter/classifier which collects vehicle volume and class data with greater than 95% accuracy in all weather and traffic conditions.

Traffic has significantly increased in the past ten years, and the number of cars on the road is projected to continue increasing by as much as 50% in the next decade. As vehicle traffic volumes grow, it has become increasingly difficult to collect traffic data accurately on congested routes using traditional sensors such as piezos, road tube or standard inductive loops.

Quixote Traffic is one company who continue to develop and improve their comprehensive portfolio of data collection and classification solutions. They have combined their expertise in data collection and inductive loop knowledge with Idris to develop the state-of-the-art ADR6000TM counter/classifier.

The ADR6000TM counter/classifier is a modular single or multi-lane data collection system which offers accurate vehicle count and axle based classification in traffic conditions ranging from free flow to stop and go congestion. The ADR6000TM, enhanced by the Idris algorithms, utilises sophisticated signal processing techniques to extract minute changes in inductance from standard loops. This enables intelligent profile and axle classification with wide area tracking of vehicles. The unit is capable of determining tailgating versus towing vehicles and also identifies vehicles straddling lanes and places them into the correct lane. The classification scheme is based on features extracted by the ADR6000TM, including length, speed, number and spacing of axles.



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World Congress 2008

ITP Updates

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Data Recording

M42 Trials

News from Ireland

Florida update

Idris Community

www.idris-community.net

Keep up to date with all news and events by visiting the Idris Community Website. The site provides technology support through;

Forums

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