

TDC

SYSTEMS LIMITED

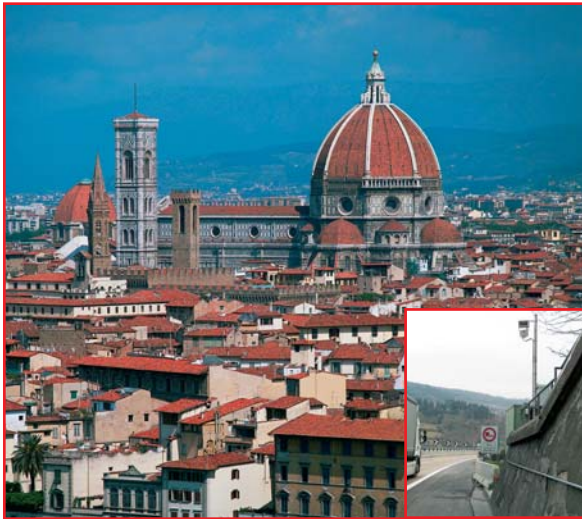
NEWSLETTER

March 2008

We go with the flow...

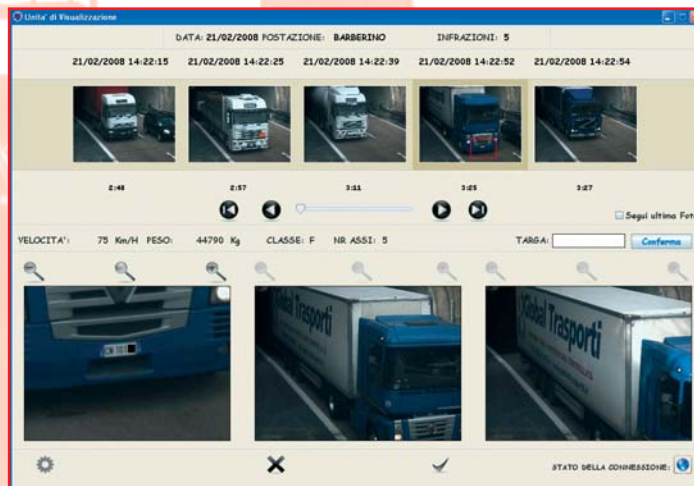
In this edition we highlight a selection of projects from around the world which incorporate the TDC Systems HI-TRAC® Weigh-in-Motion Systems

REAL TIME WEIGHT IDENTIFICATION SYSTEM - Florence, ITALY



An innovative system capable of identifying and recording overweight vehicles in free flowing traffic is currently being trialed in Italy. The system is installed on a motorway near the city of Florence. It comprises a programmable digital camera with Ethernet connectivity, the HI-TRAC EMU Weigh-in-Motion counter classifier and associated in-road sensors. The HI-TRAC EMU triggers the camera to take an image of the vehicle passing over the in-road sensors. After the vehicle has passed over the WIM sensors the vehicle weight record is transmitted from the EMU to the camera and the vehicle data stored with the image. The camera resides on a private Ethernet network and transmits the vehicle image and associated weight data back to the customers control centre server in Florence.

Traffic Officers located 5KM from the WIM site can display on their 3G enabled laptops live images of possible overloaded vehicles passing over the site. The graphical display provides images of up to 5 vehicles on the screen at one time and provides a zoom facility to help to identify the vehicle by number plate.



A countdown timer associated with each vehicle shows the time the vehicle is expected to pass the traffic officers location.

The traffic officer then takes off after the vehicle and escorts it to the weight enforcement station where the vehicle weight is accurately determined and the associated penalty notices administered. The benefit of this system is in essence the simplicity and the cost effective way

it can be used to acquire the all important data associated with overweight vehicles.

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For more information on TDC Systems: **Web: www.tdcsystems.co.uk**

ERSKINE BRIDGE – HI-TRAC® 100+ VEHICLE MONITORING & BRIDGE PROTECTION SYSTEM - SCOTLAND



TDC Systems have been commissioned to supply and install a High Speed Weigh-in-Motion (HSWIM) and Automatic Number Plate Recognition (ANPR) system as part of a combined vehicle monitoring and bridge protection system.

The Erskine Bridge is a large suspension bridge which was designed by William Brown and opened on the 2nd July 1971 by Princess Anne. The bridge spans the River Clyde in west central Scotland connecting West Dunbartonshire with Renfrewshire.

In 1996, the bridge was damaged by an oil rig which was being towed under it, resulting in partial closure for almost 4 months. This caused major inconvenience to both the local and strategic road users. TDC Systems can't prevent this from happening again but it will help to provide valuable bridge loading statistics as well as act as an effective deterrent against the extreme damage caused by overweight vehicles planning on using the bridge.

NEW DEVELOPMENT...

CYCLE & PEDESTRIAN MONITORING

TDC Systems in partnership with the University of Surrey are developing a unique low cost cycle and pedestrian monitoring system using a series of cable sensors in the ground. The initial test results have been very positive and it is envisaged that significant improvements can be made to further increase the reliability and performance of the system.

One of the perceived benefits of the system is that it can be used to accurately detect carbon framed bicycles which is a known problem with the more traditional loop based sensing devices. A major spin off is that it will also incorporate pedestrian detection which adds to the versatility of the system. Accurate and reliable cycle detection is a major requirement for most local authorities and the launch of the final developed system, which is currently predicted around the end of the year, is eagerly anticipated.



TDC Systems Limited

Founded in 1998, TDC Systems is one of the UK's leading designers and manufacturer of a complete range of traffic monitoring solutions. The company always aims to provide comprehensive services designed to empower its clients through great products and software.

HAND HELD MANUAL TRAFFIC COUNTERS USER GROUP MEETING Gloucester

The last MC User Group Meeting held in February and hosted by Gloucestershire Highways had the highest number of delegates ever recorded. In all there were 28 delegates of which 5 were new member authorities. The meetings are aimed at providing information across the whole range of MC products and the feedback from the delegates is used to further augment the development of both the hardware and the software. The TDC Systems business partner Drakewell Limited was on hand to demonstrate the very latest developments to the C2 Journey Time Software. The C2 software is becoming the industry standard software package for data management and analysis of vehicle registration data. The next user group meeting will be held in August and is to be hosted in Leicester by Leicestershire County Council.

FORTHCOMING EVENTS 2008

INTERTRAFFIC

Amsterdam - 1st, 2nd, 3rd & 4th April

WEIGH-IN-MOTION CONFERENCE

Paris - 19th, 20th, 21st & 22nd May

NATMEC

Washington - 6th, 7th & 8th August

MC USER GROUP MEETING

Leicestershire County Council - 19th August

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