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HOUSTON TRANSTAR TO DEMONSTRATE A FULLY INTEGRATED INCIDENT DETECTION, ALARM NOTIFICATION AND TRACKING SYSTEM DURING THE 2005 ITS AMERICA ANNUAL MEETING IN PHOENIX

"Unique public / private partnership to demonstrate how ITS technology could be leveraged to serve multiple public safety functions"

(Houston, Texas) ---- Today, Houston TranStar, the Transportation and Emergency Management Center for the Greater Houston Region, working in partnership with ElectroWave USA and the Houston InfoComm Technology Initiative, formally announced that during the 2005 Intelligent Transportation Society of America's Annual Meeting in Phoenix, they will be demonstrating a fully integrated Incident Detection, Alarm Notification & Tracking System for transportation, emergency management and homeland security applications.

Leveraging off of the deployment of intelligent transportation system technology, the Incident Detection, Alarm Notification & Tracking System seeks to demonstrate how sensor-based technology could assist in solving many inter-operability issues across various transportation, emergency management and homeland security environments.

During the annual meeting, this unique public / private partnership intends to deploy sensors and SCADA (supervisory control and data acquisition) systems in traffic signals which can detect critical incidents in real-time. This sensor-based system is able to detect and in some cases track nuclear, chemical and bio-hazard emissions, rising water levels at intersections, vehicle collisions, explosions, traffic signal impacts and a whole lot more.

Consistent with its mission of maximizing safety and mobility to the public, the Houston TranStar partnership in its presentation will demonstrate four (4) different types of incident detection through the use of sensors deployed in traffic signal heads.

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The sensors demonstrated include:

- **Car Crash / Audible Sensor** - A sensor will capture loud noises such as car crashes and explosions and display a user-friendly graphic on the Human Machine Interface screen.

- **Flood Sensor** – A sensor will be used to demonstrate rising water levels at an intersection, group of intersections or a whole city of intersections.

- **Shock / Hit Sensor** – A sensor will provide instantaneous notification of a truck or other high-load vehicle hitting and damaging a traffic signal.

- **Nuclear Sensor** - A sensor will be used to detect and simulate a radiation source going under or past a traffic signal.

The purpose of these demonstrations are to simulate in real-time, an immediate notification to Offices of Emergency Management (OEM's), Police / Fire Dispatch and others about an event or incident via the Incident Detection, Alarm Notification & Tracking System and Alarm I/P.

Developed by ElectroWave USA, Alarm I/P notification software, trademarked, copyright and patent pending, is a unique and proprietary system which when implemented throughout an existing traffic management system works with the Incident Detection, Alarm Notification & Tracking System to enable OEM'S, Police / Fire and others to be notified of an event or incident.

Alarm I/P and the Incident Detection, Alarm Notification & Tracking System provides real-time notification of any event or incident to one or more specific IP addresses (central computer/ home computer, IP enabled cell phone, PDA's, EMS, Fire / Police Dispatch and Offices of Emergency Management) and affords responding authorities the opportunity to efficiently deploy resources in order to address the event or incident.

The premise for this partnership and technological collaboration is to take **A.C.T.I.O.N**: **A**nticipate Life Crisis Events; **C**ollaborate Research, Development and Business; **T**est to Validate Technology Concepts; **I**ntegrate Practical System Solutions; **O**perations- Install, Implement and Maintain and **N**ow! Today.

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According to Jack Whaley, Director of Houston TranStar, "With Houston TranStar serving as the transportation and emergency management center for a seven (7) county region and as a one-stop shop for federal, state and local government agencies, it is imperative that we have all of the necessary relationships, tools and technologies in place to address an event or incident before it negatively impacts the region. The Incident Detection, Alarm Notification & Tracking System and Alarm I/P would afford us the ability to leverage off of the existing ITS system deployment we currently have in the field all to the benefit of the traveling community and the public at-large."

Martin L. Kershman, President of ElectroWave USA stated, "We at ElectroWave USA have always felt the integration of transportation management functions with security systems was one of the most critical initiatives we could employ to prevent incidents and events that have the potential to negatively impact communities across the country. The integration of this sensor-based system into an existing traffic management system, such as the one Houston TranStar has successfully implemented, makes the process easier to accomplish, user-friendly and much more cost-effective."

For more information on Houston TranStar's presentation during the 2005 ITS America Annual Meeting, please feel free to visit booth #941 or contact Artee T. Jones, Executive Public Information Officer for Houston TranStar at 713-881-3244/ email: ajones3@houstontranstar.org.

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About Houston TranStar
Recognized nationally and internationally as a model for agencies combining resources across modal and political jurisdictional boundaries, Houston TranStar is a unique multi-agency partnership comprised of the City of Houston, Harris County, the State of Texas Department of Transportation and the Metropolitan Transit Authority of Harris County. Together this unique partnership is responsible for coordinating the planning, design, operations and maintenance of transportation and emergency management functions in the greater Houston region and is part of an effort to establish Intelligent Transportation Systems (ITS) throughout the nation. The website is located at **www.houstontranstar.org**.

About ElectroWave USA, Incorporated
ElectroWave USA, Incorporated offers Products and Services in the field of Electrical and Electronic Monitoring & Control Systems for public, energy, military and commercial business sectors worldwide. For more complex projects, ElectroWave offers Design, Installation, and Maintenance of PLC and SCADA based Instrumentation & Control Systems including Ballast Control & Monitoring Systems, Drilling Instrumentation System, Vessel Management Systems, Marine Advisory Systems, Propulsion / Power Monitoring & Control Systems. For more information on ElectroWave USA, please visit their website located at www.electrowaveusa.com.

The Houston InfoComm Technology Initiative
Created within the University of Houston's Cullen College of Engineering, HiT is becoming the Technology Testbed Division of the proposed Southwest Public Safety Technology Center for the National Institute of Justice. This division is a consortium that provides support for collaborative research relative to total emergency situational awareness (prevention, detection and management). This includes four key disciplines: first response, traffic mobility, clean air mitigation and homeland security.