

Bosch & ISS – Protecting Critical Transport Infrastructure



SOLUTION

The Bosch & ISS solution addresses five main objectives:

- ▶ Creates a unified security system by integrating Bosch Intelligent Video Analysis, security and fire alarms, access control systems, radiation and chemical control subsystem sensors, etc.
- ▶ Automates a series of routine monitoring, accounting and control processes.
- ▶ Offers situation analysis and prompt detection of events leading to a possible occurrence.
- ▶ Allows for action protocol initiation minimizing any damage in incident cases.
- ▶ Features a high-quality video archive; ideal for incident investigations

CHALLENGE

Transport driven hazards are more often than not caused by a number of factors whether accidental or acts beyond human control. For example:

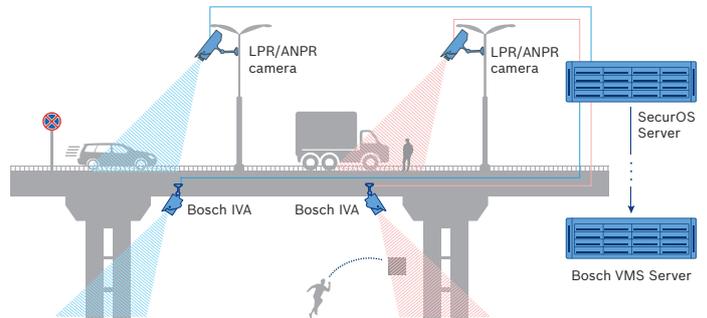
- ▶ Traffic / vehicular accidents
- ▶ Decreased safety measures; improper staffing/training
- ▶ Unlawful acts i.e. terrorism, vandalism etc.

Bosch and ISS bring their both technologies, knowledge, and industry expertise while addressing security system projects for transport infrastructure. Both comply with local, state, and county laws within each respective country's transportation security regulations.

SOLUTION/ APPLICATION

The integrated solution consists of:

1. Centralized situation control, 24x7 mode, including the following areas:
 - ▶ bridge beam or girder
 - ▶ area beneath bridge including special perimeter fencing around pillar
 - ▶ entries to technological facilities
 - ▶ restricted internal & external technology/engineering infrastructures



The most significant threats to a specific structure (bridge, tunnel) defines the scope of required analytics.

2. Potential security breaches such as:
 - ▶ entering into close proximity of bridge pillars
 - ▶ perimeter intrusion
 - ▶ illegal entry into the engineering services area
 - ▶ unattended objects or vehicles which represent a potential hazard
 - ▶ stalled or non-moving vehicles within a restricted area
 - ▶ vandalizing private / government properties
3. Creating an individual set of responses for specified events:
 - ▶ automated alarm alert appears on the operator's work station
 - ▶ camera activation according to alarm zone
 - ▶ camera recording trigger
 - ▶ broadcasting a recorded audio track to a speaker
 - ▶ displaying an alarm message on the infrastructure monitoring screen
 - ▶ notifications by SMS, e-mail, and more
4. Data transmission (alarm events and video) to third-party systems

SUMMARY / BENEFIT

- ▶ Prompt identification of potentially dangerous situations
- ▶ Improved communication and interaction between internal staff and law enforcement
- ▶ Securing perimeter and overall safety of the structure
- ▶ Timely information sharing for emergency situations which will result in quicker resolution
- ▶ Significant reduction to operators' work load:
 - constant surveillance via monitoring station not required
 - reduction in operator errors
 - increased surveillance areas with zero staff increase

Together, Bosch and ISS propose a countless array of SOPHISTICATED CUSTOMIZED SOLUTIONS which serve up the latest in industry standards and business processes along with state-of-the-art IT Solutions.

Intelligent Security Systems ("ISS") is a leading developer of video management and video intelligence solutions. The video management platform, SecurOS™, is the nucleus of a complete security eco-system, a visualization platform that integrates native and third-party analytics, access control systems, fire and life safety, SCADA, and can be made compatible with virtually any third-party system or device.

SecurOS™ focuses on large mission critical applications security systems: industrial and manufacturing sites, transportation, banks, sports arenas, retail, and campuses & office complexes. ISS has advanced video compression technologies, intelligent video motion detection, and digital video recognition capabilities

For more Details: <http://www.isscctv.com>

The **Bosch division Security Systems** is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security Systems develops and manufactures in its own plants across the world. Additional information can be accessed at www.boschsecurity.com

Visit ipp.boschsecurity.com for details on the Bosch Integration Partner Program