JeriTech

Real Time, Integrated Management of Artworks Safety & Security

The management of an artwork's lifecycle – from its delivery to the monitoring of its security and environmental safety – today depends upon fundamentally manual activities.

In contrast, JeriTech takes advantage of breakthrough software technology, integrating multiple sensors, actuators and devices to dramatically increase automation of artworks exhibitions' management and monitoring.

JeriTech solutions, **powered by WareLite BOSS** (**www.warelite.net**), automatically correlate readings from any sensors, providing instant, automated responsiveness to every kind of anticipated danger – increasing artworks' security and decreasing operational costs

Thanks to pervasive tools such as Motorola Enterprise Class Mobile Computers, JeriTech solutions eliminate delays inherent in alerting on site and off site personnel. For example, all security guards carrying mobile computers within an exhibition area monitored by sensors will receive instant alerts reporting detected anomalies. The alert messages will contain all information needed for an immediate reaction, thus avoiding the need for radio communications, which can introduce delays and mistakes in responding to danger.

Unlike other security systems, which need extensive reingeneering to adopt new devices, WL BOSS - the Event Driven Application Platform powering JeriTech solutions - enables the use of any kind of sensor, actuator or tool, such as e.g. sensors monitoring humidity, temperature, motion, proximity; actuators closing doors, tilting CCTV cameras; new generation mobile phones, etc. This provides maximimum flexibility to start with a simple configuration and extend seamlessly as future needs dictate.

In fact, using new wireless sensor networks, Jeritech solutions can monitor a wider variety of parameters with ever greater precision and resolution.

These levels of connectivity and fine granularity are not matched by other solutions capabilities, which suffer from two main limitations:

- they have a 'silo' approach, where each single type of sensor is managed by a discrete vertically integrated solution. Correlating the various parameters being monitored – each available via a separate interface - is the user's responsibility
- they do not provide pre-determined, automated responses to anomalies – It is the user's responsibility to observe changes or events and decide upon the appropriate course of action

The value of sensor data is in their immediacy and accuracy: current software tools introduce latency and imprecision in the reactivity to the variation of monitored parameters – with costs that increase linearly with the value of the artworks' exhibited

JeriTech objective is to automate the entire artwork display lifecycle – from delivery to the exhibition site through the control of environmental and security conditions, to the real time monitoring of visitors location and number – instantly identifying anomalies or potential dangers and providing immediate, precise responses.

JeriTech achieves this objective by building a unified picture of the entire network of wireless sensors monitoring artworks safety and security. Then correlations between different parameters are automatically analysed and each anomaly immediately triggers a pre-determined, automated reaction. This can include the activation of external tools (e.g. CCTV), the sending of alert messages to mobile computers, mobile phones or other IT systems - or any combination of functions.

This approach provides real time visibility over artworks' safety and security to all stakeholders involved in their lifecycle – security personnel and management, exhibitors, owners, lenders, collectors.

Overall, JeriTech solutions enhance the quality and efficiency of current Safety & Security services, reducing exhibition management costs and increasing their security levels. This will boost the confidence of both collectors and lenders, ultimately leading to a reduction in insurance premiums.