



Plug and Play CBRNE Sensors

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About Us

- Embedded Technologies Corporation Pty Ltd (ETCorp)
 - ACN 102 257 974
- Australian based developer of software and equipment for the security and automation markets
 - Idea conceived in Silicon Valley
- Company started Sept 2002
- Australian Federal Government supported
- Product Released in Sept 2004
 - International Security Installations
 - Other Control and Automation Applications
 - Research
 - Commercial

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Past to Present

- Instrument Based Approach
 - Sensor
 - Conditioning
 - Display and Input
 - Memory for logging
 - Outputs for alerts
- Challenges
 - Proprietary Standards
 - Cost
 - Difficult to centrally manage and coordinate

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Predictions Feb 2005

“The majority of that money – some \$305 million annually - will be spent on about 170 large sensing networks intended to safeguard geographic regions, cities, large facilities and transportation systems, said the study. More localized uses of approximately 20,000 additional sensors, in specific buildings, at public events, at borders, or aboard aircraft or other transportation modes, would account for another \$80.5 million annually. And less expensive personal sensors used by, perhaps, 300,000 individuals, would account for an additional \$36 million in annual expenditures, said Civitas.”

http://www.gsmmagazine.com/feb_05_03/security_market.html

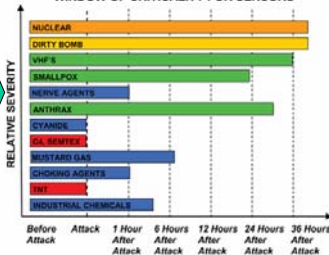
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Sensor Capability

WINDOW OF CRITICALITY FOR SENSORS

Sensors exist to pre-empt most attacks



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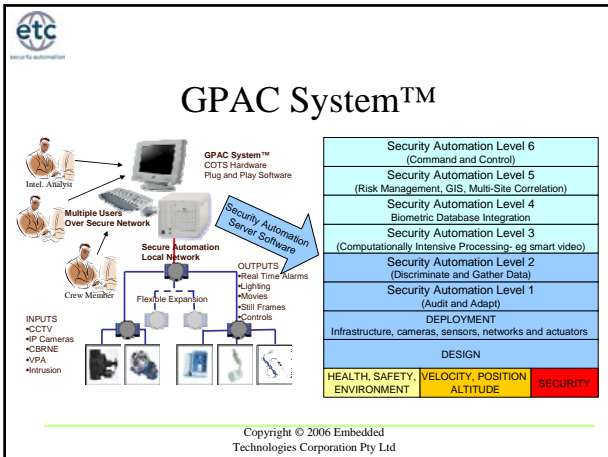
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Reality August 2005

- **NEW YORK MTA SELECTS LOCKHEED MARTIN TO LEAD \$212 MILLION INTEGRATED ELECTRONIC SECURITY SYSTEM CONTRACT**
- New York, NY, August 23, 2005 -- The New York Metropolitan Transportation Authority (MTA) has selected Lockheed Martin [NYSE: LMT] as the prime contractor for the cornerstone program initiating a comprehensive upgrade of MTA's electronic security operations infrastructure. The Authority oversees the New York City Transit system, Long Island Railroad, Metro North Railroad, and MTA bridges and tunnels.
- As the prime contractor for the Integrated Electronic Security System and Command, Communications and Control (IESS/C3) program, Lockheed Martin will lead a highly experienced team to design, develop and deploy a critical infrastructure protection system that integrates the command, communications and control capabilities across MTA facilities.
- Work under the initial three-year contract, valued at \$212 million, will start immediately. The contract includes maintenance options that could extend the program through September 2013.

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Present to Future

- Networked Sensor Based Approach
 - Sensor
 - Network
 - Central Management
 - Network Centric Warfare Paradigm
- Advantages
 - Open Standards
 - Lower Cost
 - Scalable
 - Flexible and Adaptable
- Challenges
 - Management Complexity
 - Cost & Complexity of Custom Engineering
 - Sensor Cost, Sensitivity and Accuracy

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Actions Now

- **Build Networked Infrastructure**
 - Mature and available technology
 - Audit and adapt for new sensor capability
- **Key Requirements**
 - Flexibility
 - Economy
 - Ease of Use

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