INTEGRATING CYBER-PHYSICAL SECURITY FOR A SAFER CITY
Addressing the Emerging Risks to Critical Infrastructure with Cyber-Physical Solutions

Global Security Spending Overview
The global security market is estimated to be worth US$72.6 billion at the end of 2016.

Why Security is a Key Priority for Smart Cities

DDoS* Attacks: A Growing Threat
240% increase in botnet activity, traced mostly to 900 compromised CCTV cameras
25,513 IP cameras compromised in a DDoS attack, including 24% from Taiwan, 9% from Indonesia, and 6% from Malaysia (2016)

Security Technology Forecast: Key Areas To Watch
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AIRPORTS
- Physical: Long screening queues at security checkpoints
- Cyber: Automated check-ins, baggage drops, and ID scans

ELECTRICITY
- Physical: Vandalism/terrorism of plants/critical facilities
- Cyber: Connected devices as new grid invasion access points

OIL & GAS
- Physical: Vandalism, theft, and/or disruption of services
- Cyber: Cyber-attacks motivated by political dissent

MARIATINE SECURITY
- Physical: Lack of disaster planning and recovery practices
- Cyber: Remote attacks on critical infrastructure

GOVT SERVICES
- Physical: Vandalism, theft, and/or disruption of services
- Cyber: Cyber-attacks motivated by political dissent

NATURAL DISASTER MANAGEMENT
- Physical: Lack of disaster planning and recovery practices
- Cyber: Remote attacks on critical infrastructure

TOP 6 AREAS OF VULNERABILITY

Stadium/Big Events
- Physical: Hostile-aggressive individuals/crowds
- Cyber: Attacks on networks to cripple operations and cut power

Capture key insights on securing cities in an increasingly connected world

*Note: Distributed denial-of-services
Source: Frost & Sullivan Global Security Spending Overview (2016)