

Counter-Terrorism Solutions, Ltd. Water Security Course

Modern and Post-modern Terrorism Fundamentals

- The phenomenon of global Islamic terrorism
- Overview of relevant terrorism organizations
- Ideology and motivation
- Operational capabilities/ability to execute terror attacks
- International deployment and presence
- Known patterns and methods of operation
- Water systems as a potentially "prominent" target for terror attacks
- Cooperation with intelligence agencies and law enforcement authorities

The Threat to Water Systems

- Main goals of water supply
- Structure and character of potential tactical targets (Sources/distribution systems/water storage and aggregations/distribution)
- Threats to the end user
- Availability of effective weapons (Chemical, Biological, Radiological)
- Criminal damage/ cyber/ computerized attack and blinding/ neutralization of command & control systems

Security Department Tasks

- Personal security of employees
- Securing water installation and distribution systems
- Reduction of sabotage and criminal acts to water installations and distribution systems
- Computer-based command and control; management of information security



Counter-Terrorism Solutions Ltd.
Providing Security Solutions for Today's World

We know the enemy; we know his languages, culture, and mentality; we know his modus operandi; and we know his methods of target evaluation.

CTS is the Consulting and Training arm of the International Institute for Counter-Terrorism in Herzliya, Israel.

CTS is unique in its ability to draw on both professional security forces and academic expertise. CTS makes use of the following exclusive assets:

- Security professionals and veterans of Israel's intelligence services
- Some of Israel's best-known terrorism analysts from the academic sphere
- An extensive database of terrorist activities worldwide.
- Years of experience in organizing educational events, conferences, and seminars for both the government and private sectors.

Assumptions and Methods

- Can security be assured for all installations?
- Integration and calculation of cost benefit versus threats
- Technological solutions (valve controls, warning, detection and identification systems, backups, continuous monitoring and prevention systems)
- Prioritization of water threats and classification of water installations
- Establishment of security control and operational centers
- Preparation of emergency procedures and response drills
- Public health emergency response

Organization and Emergency Response to Water Crisis

- Regulations/Government decisions
- Establishment of operation systems for real-time response
- Main characteristics of water crisis
- Principles of emergency response organizations/structures and command
- Means and facilities
- Physical protection of water distribution systems
- Operational model components
- Levels of alertness and operational stages
- Decision process for water supply contamination event
- Emergency water supply and distribution points
- Instruction, training and drilling
- Stand-down and Disaster Recovery Process (DRP)
- Dealing with the public reaction to water systems terror attack
- Dealing with the media

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