

HALO Networked Remote Control Systems, with the ORION Weapon System

The HALO ORION Solution

Critical facilities and infrastructures need superior perimeter protection and reaction capability. The **ORION** family of remote weapon platforms by MacKenzie River Partners represents the future security technology. **ORION**, networked by EWA GSI **HALO** command and control system, provides ultimate access delay solutions, and a comprehensive and coordinated approach to ensure the security of critical facilities and infrastructures.



Superior Reaction Capability

The threats to critical facilities are escalating, and agencies such as the US Nuclear Regulatory Commission have bolstered their regulations for facility protection. The HALO ORION system enhances existing reaction teams with more immediate response to threats while keeping human responders out of harm's way during initial threat engagements. The system also gives facility and compound security teams the ability to implement remote weapon systems across large distances and multiple locations.

Networking Multiple Weapons Systems

The HALO ORION system is unique thanks to its ability to network multiple ORION weapon systems. The HALO Network consists of a fiber optic architecture that supports ranges over 10km, and can be integrated with existing video surveillance cameras, ground sensors, motion detectors, and fences. HALO has both redundant and independent video and C2I, limiting counter-attack vulnerability. HALO features a supervisor position for resource management.



Integrated Threat Cycle with HALO Support

The HALO system fits into the Integrated Threat Cycle by supporting three major activities: **Identify**, **Assess**, and **Engage**.

HALO features include:

- Two-person rules of engagement – supervisory oversight of multiple weapon operators
- Seamless integration with existing security systems
- External sensor inputs via XML
- User programmable preset locations
- Supports Orion models 100, 200 & 300
- Supports redundant control locations
- Real-time video (no compression lag)
- Scalable architecture to support multiple Orions, operators and supervisors

HALO Supervisor's User Interface

From the command and control center of HALO, the HALO ORION system provides essential protection for nuclear facilities, shipyards, airports, and more. HALO includes the flexibility to connect any surveillance or threat system, including various sensors and video systems.

