



DIAMONDShield™
Product suite that supports all aspects of Integrated Air & Missile Defense

DIAMONDShield™

STRATEGIZE - TARGET - PLAN - TASK - EXECUTE - MONITOR - ASSESS

- Automates the entire command & control cycle, providing operators with the ability to strategize, target, plan, task, execute, and assess joint operations all with seamless integration of intelligence, surveillance and reconnaissance data.
- Modern IAMD C4ISR product suite that connects disparate surface missile systems, sensors and weapons systems with air-based theater operations to provide a layered, integrated view of the battlespace.
- By combining current intelligence and planned military/civilian missions with near real-time operational tracking capabilities, DIAMONDShield offers an unprecedented capability to rapidly analyze multiple sources of information, enabling commanders to quickly optimize the deployment of combat forces.
- Established on decades of experience developing integrated C2 and missile defense systems, DIAMONDShield helps commanders determine the optimum way to manage air defense missions while assessing possible threats across the entire command spectrum.

JOINT ISR and TARGETING

- Joint Target Lists, Target Folders & enemy intel management
- Automated ISR task generation and workflow
- Automated correlation of imagery to target
- Interoperability with coalition forces
- Map-based links to imagery and video
- Intel feeds to display location and status of hostile forces

MAP-BASED JOINT PLANNING

- Strategic Plans formulation and data availability
- ACO and ATO production and distribution with full IAMD planning capability
- Automated air mission planning and routing using Artificial Intelligence that significantly enhance operator efficiency
- 2D/3D/4D visualization and risk analysis
- 4D flyout mission analysis
- Comprehensive quality checking
- Airspace deconfliction in time and space
- Military messaging system for USMTF and ADatP-3
- Template Document System for automatic document & briefing from integrated data generation

MISSION EXECUTION and MONITORING

- Battlespace Situational Awareness utilizing Link-16, national, legacy and future data links
- Multi-domain track picture including meteorological & civil air information
- Automatic calculation of global Threat Assessment for Critical Assets
- Automatic calculation of engagement solutions and recommendation for time-sensitive response
- Real-time tasking through Tactical Orders with comprehensive electronic logs
- Site Connectivity Communications Manager

ANALYSIS and ASSESSMENT TOOLS

- Automated alerting with custom rule definition
- Automated correlation of flight plans and ATO data
- Mission reports associated with Target Folders
- Multi-Int inputs for reports and images
- Mission coverage analysis for hostile Courses Of Action

OPERATIONS, SIMULATION & TRAINING

- Role Based Access Control for tailoring to customer CONOPS
- Secure data exchange and chat
- Minimal COTS software licensing costs and remote administration
- Full training course curriculum
- Available as a complete system, software suite, or custom capability
- Integrated applications that span Strategic, Operational, and Tactical levels of C2



For More Information Contact:

Lockheed Martin C4ISR Business Development
202.863.3295
571.405.7561

