

Homeland–Defense Operational Planning System (HOPS)

An Overview

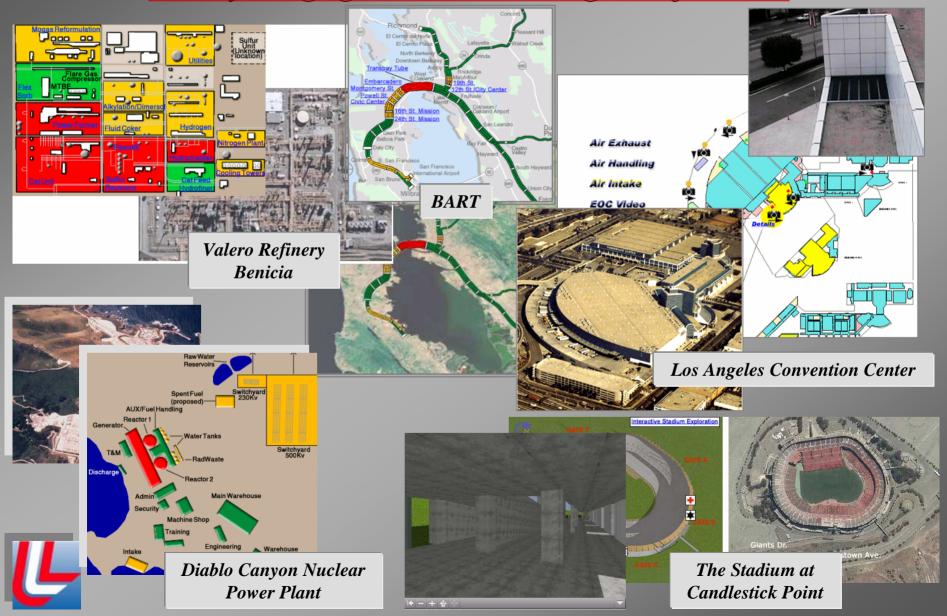
Counterproliferation Analysis Section

Proliferation Detection and Defense Systems Division

Lawrence Livermore National Laboratory



Fully Engaged in Protecting California



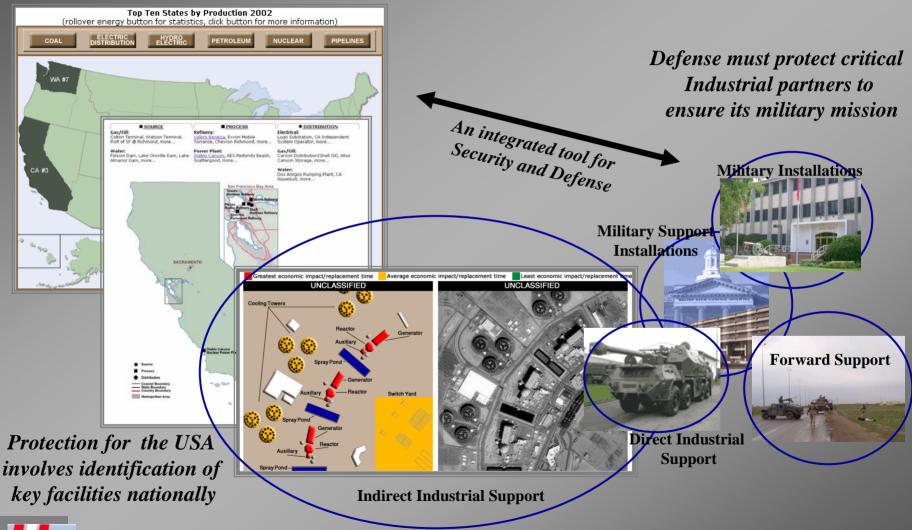
Homeland-Defense Operational Planning System

Proven Capabilities

- Deliberate Planning for Homeland Defense
 - Key Infrastructure Nationally
 - DoD Defense Industrial Base
 - Economic Impact and Engineering Assessments
 - Consequence Analysis
- Emergency Response
 - Pre-staging for National Security Special Events
 - Response Plans (building plans, key personnel, phone numbers, operating procedures)
 - Customized Tools
- Training for inter-agency efficiencies
 - Chemical, Biological, Nuclear, Kinetic and Terrorist capabilities
 - Generic Data Sets for typical venues.

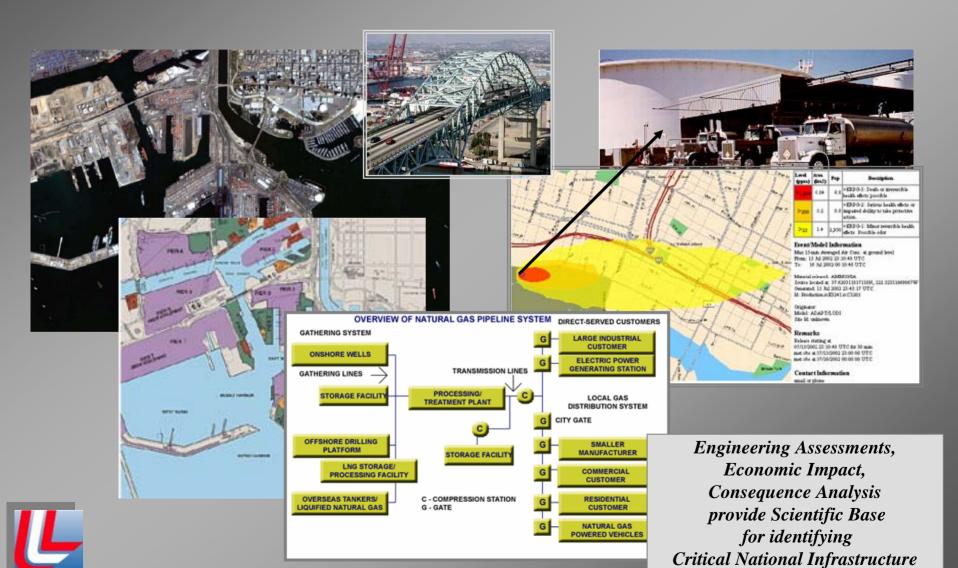


A Strategic Tool for National Planning

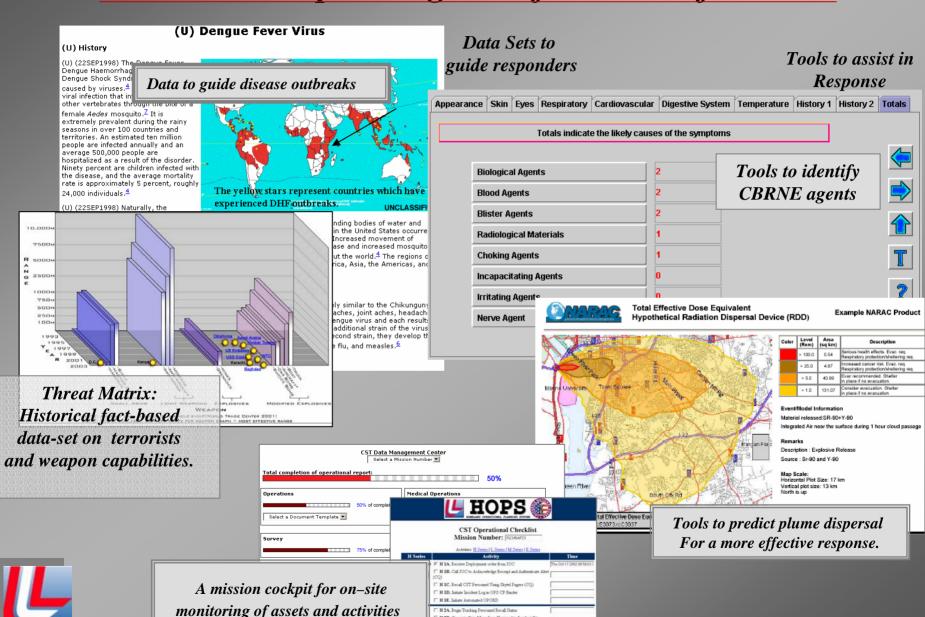




Site-Specific Nodal Analysis



Common Operating Tool for the Defender



□ H 2B. Generate Step Maps from Hayward to Incident Site
(○○)
□ H 2C. Monitor Television and Radio Media to gather additional

Training for the Homeland Defender

National Guard

- Basic Courses in WMD
- National Scope for Training

Homeland Security/Defense

- Creation of policy based on fact driven analysis
- Scientific evaluation of real facilities and events.
- Web-based interactive possibilities

- Web-based interactive possibility

Generic Analysis

- Cheaper, realistic exercises based on real facilities



effective and realistic with an

interactive web interface.



HOPS: Becoming Operational

Network Connectivity Exists:

- Internet, SIPRnet, JWICS
- User Access Controls
- Scalable to an Enterprise architecture

State of the Art Computer Technology

- Dynamic Content Framework
- Oracle Engine
 - Standard tools facilitate collaboration
- Internet Standards followed
- Portal Technology

Collaboration

- California National Guard.
- OSD, US NORTHCOM, OSIS community

• Program Management

- Solid QA procedures
- Sponsor Driven Statement of Work
- Earned Value Reported



HOPS: Status Report

California National Guard

- FY2004: Initial Funding of 2Million Dollars in Congressional Plus up
 - Analysis on transportation, refineries
 - Support of key state level exercises per State plan
- FY2005: California National Guard official legislative plan
- FY2006 FY2010: Working to be included in POM

US NORTHCOM

- JWID: member of the recommended tool suite
- Critical Infrastructure Protection tools evaluation: Ranked superior in high resolution analysis
- Determined Promise 2004

Naval Postgraduate School

- HOPS being integrated into Masters in Homeland Security for curriculum
- National Guard Interest from other states

