

Naval Medical Research & Development (R&D)

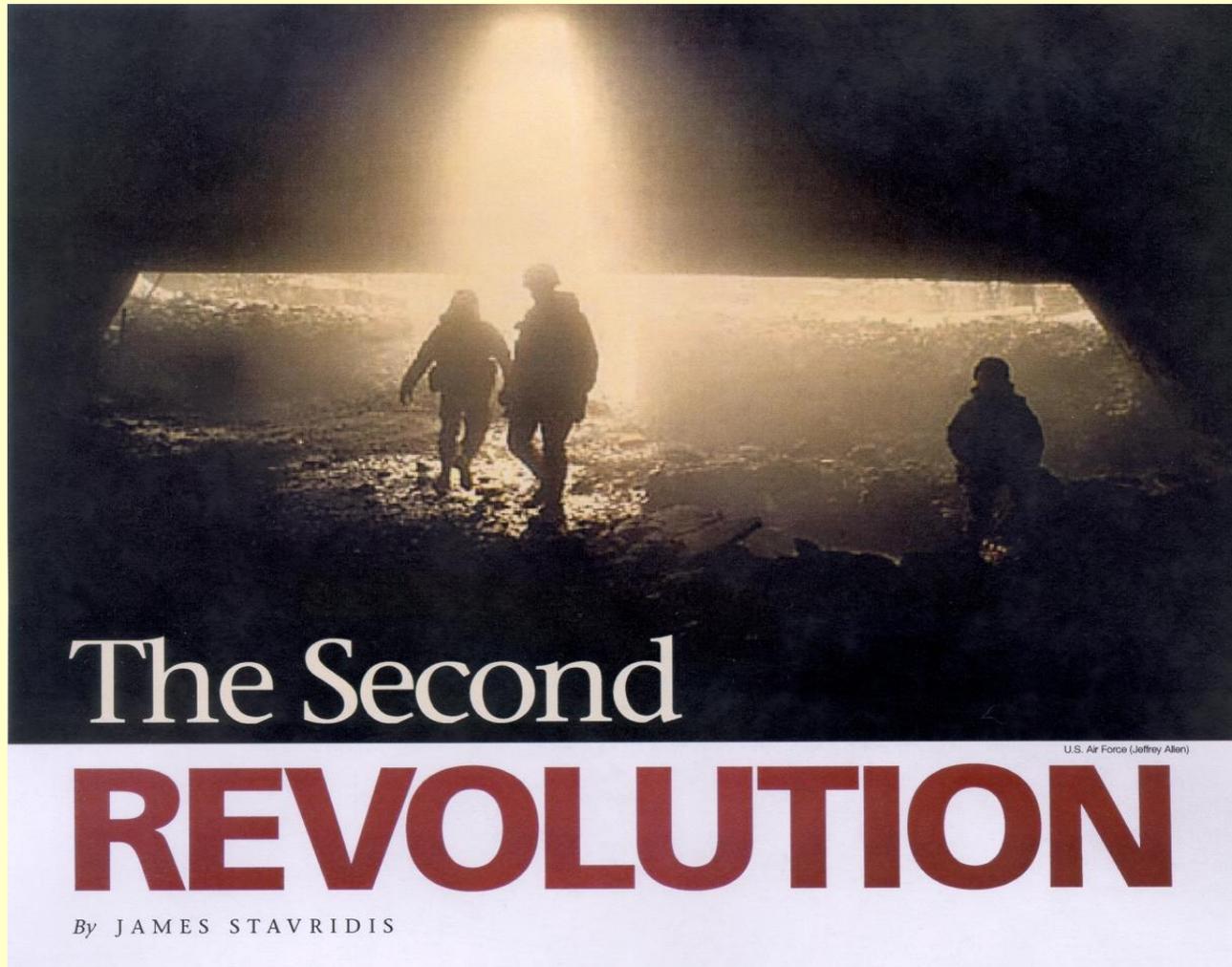


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RAISON D'ETRE



Rationale for the Investment

- **Equities**
 - Technology Solutions
 - Orphan Products
 - Knowledge
 - Prevent Technologic Surprise from the Enemy



Rationale for the Investment



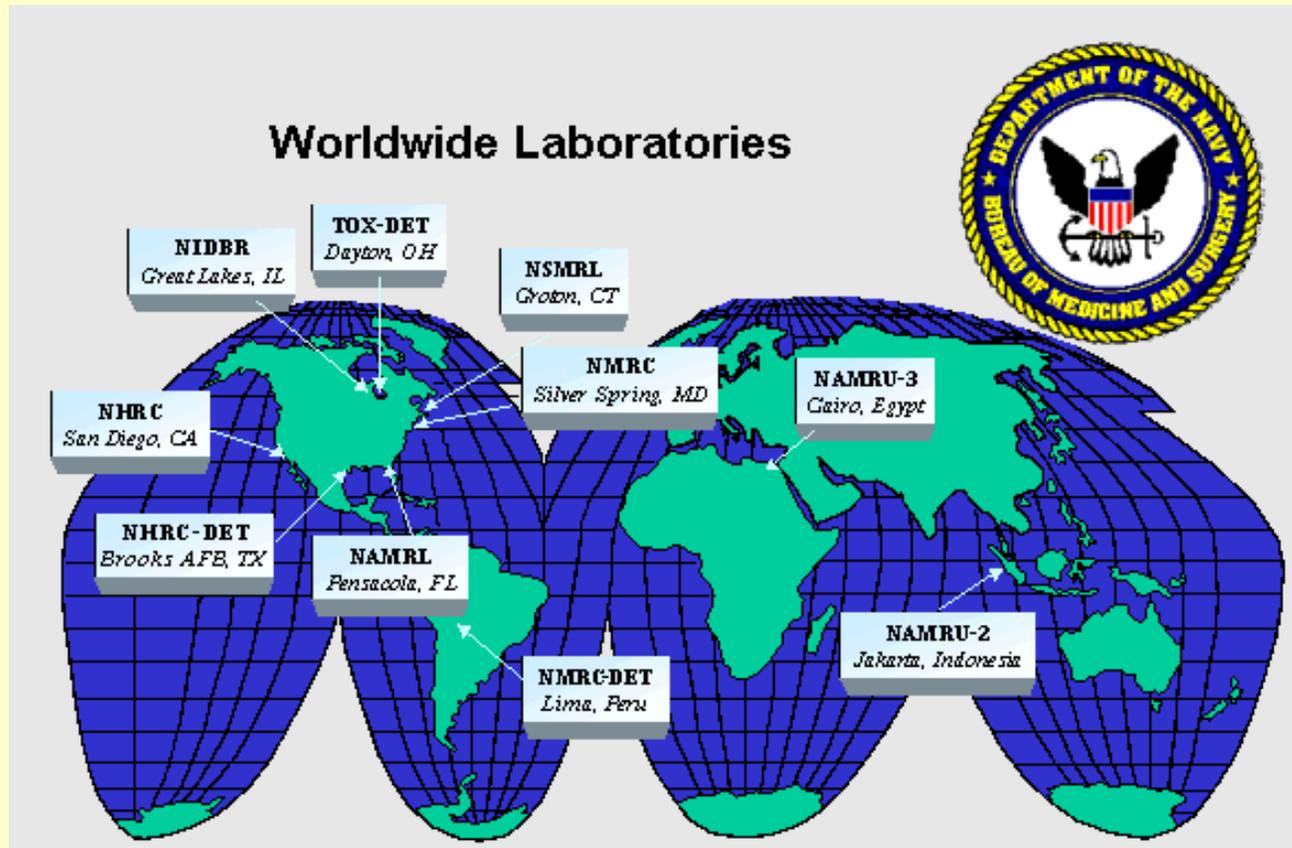
- **Surge Capability**
 - R&D capability that is responsive to emerging threats and needs of the Fleet and Fleet Marine Forces

Mission

- Transform Naval Medicine into a Defensive Weapon System



The R&D Enterprise



Biomedical Research Capabilities Support Expeditionary Maneuver Warfare

- Directed Energy
- Diving Medicine
- Infectious Disease
- Combat Dentistry
- Disease Prevention
- Aviation Medicine
- Environmental Toxicology
- Occupational Health
- Submarine Medicine
- Human Performance
- Combat Casualty Care
- Health Surveillance

IMPACT

- **Joint Warfighting Operational Concepts**
 - Major Combat Operations
 - Stability Operations
 - Homeland Security
 - Strategic Engagement



IMPACT

- **Joint Warfighting Functional Concepts**
 - Command and Control
 - Battlespace Awareness
 - Protection
 - Force Application
 - Logistics (medical)



Strategy Influences



Defend the U.S.	1
Deter Forward Europe, SWA, NEA, EAL	4
Defeat Enemy Efforts 2 of 4 Critical Areas	2
Win Decisively 1 of 2 Conflicts	1
Small Scale Contingencies	

Human Weapon System

Sea Shield

Sea Strike

Sea Basing

Joint and Multinational Enabling

Operational Maneuver from the Sea

Sustained Operations Ashore

Other Expeditionary Operations

Medical and Rehabilitative Care

Prevention and Protection

Healthy and Fit Force

Requires Unique Force Health Protection Support

IMPACT

- **Sea Enterprise**



- Leverage Technology to improve performance and minimize manpower costs
- Minimize acquisition and lifecycle costs