



Battelle Memorial Institute

An Overview

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Battelle's Purposes: Stem from Gordon Battelle's 1925 Will



- Charitable trust - 501(C)3
- Scientific research and development
- Creative activities of a scientific nature
- Reduction to practice, licensing, or other disposals of inventions, discoveries, and developments
- Advancement of learning and better education of men and women for employment

*The core of our purpose is translating
scientific discovery to innovative applications*

Battelle Fulfills its Strategic Intent Through Three Major Business Lines

World Leader in Scientific Discovery and Technology Application

Battelle Laboratory Operations

**Operates major
research labs
with distinction**

Battelle Science and Technology International

**Premier supplier
of technology
solutions
and support**

Battelle Ventures

**Translates
technology
into commercial
applications**

Major Technology Centers



Battelle West Jefferson
West Jefferson, OH



**Battelle
Corporate Headquarters**
Columbus, OH



**Battelle Eastern Science
and Technology Center**
Aberdeen, MD



**Pacific Northwest
National Laboratory**
Richland, WA



**Brookhaven
National Laboratory**
Long Island, NY

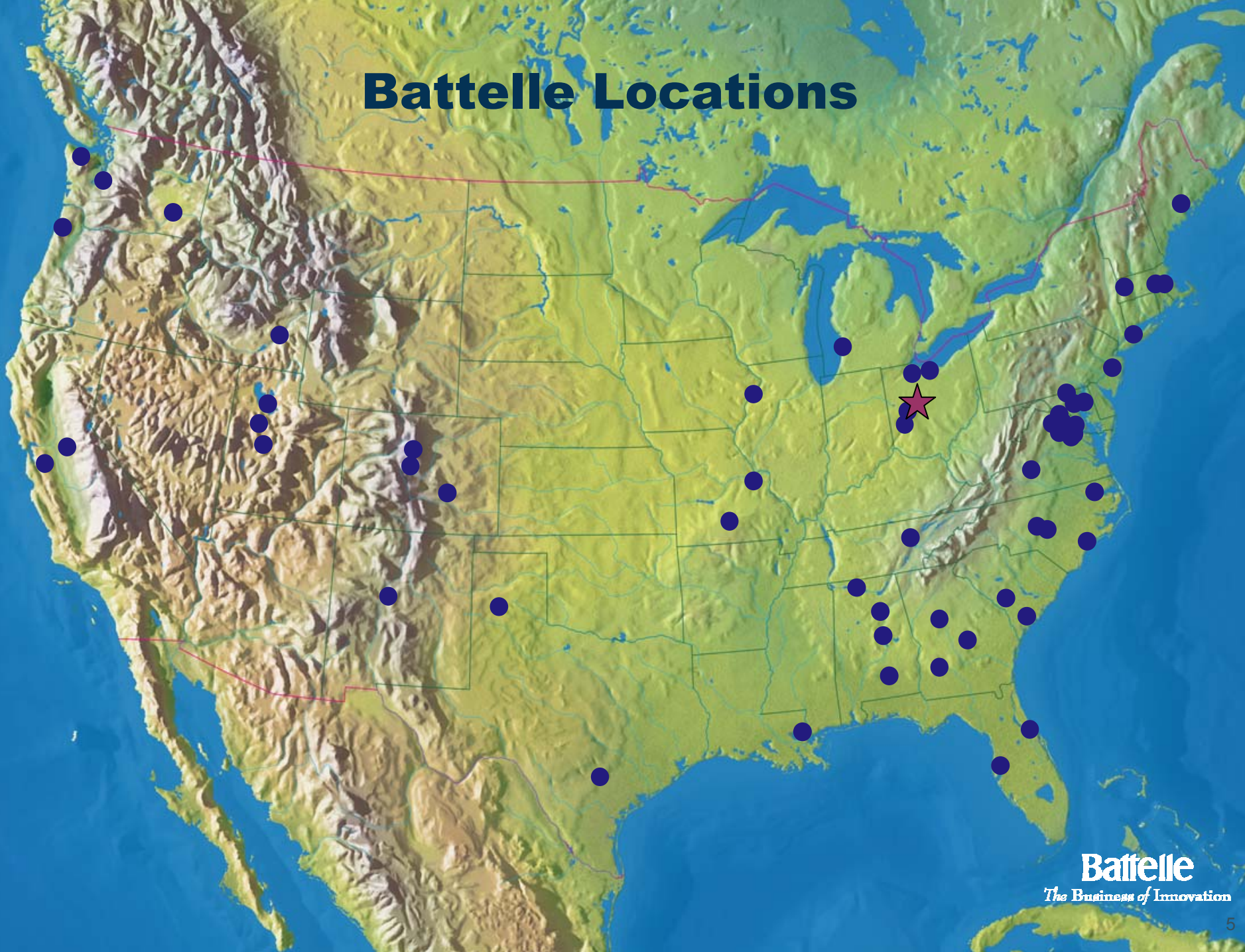


**National Renewable
Energy Laboratory**
Golden, CO

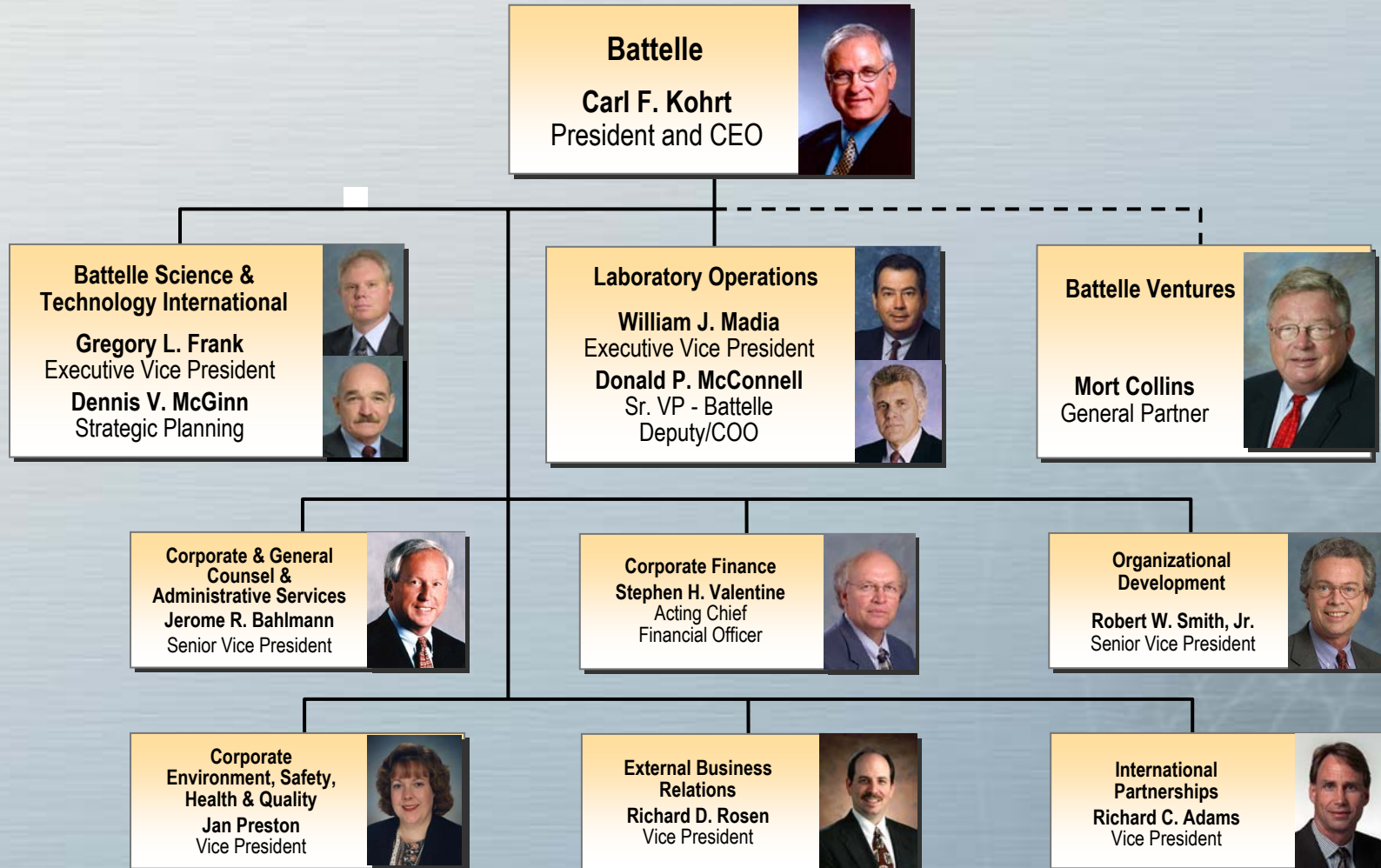


**Oak Ridge
National Laboratory**
Oak Ridge, TN

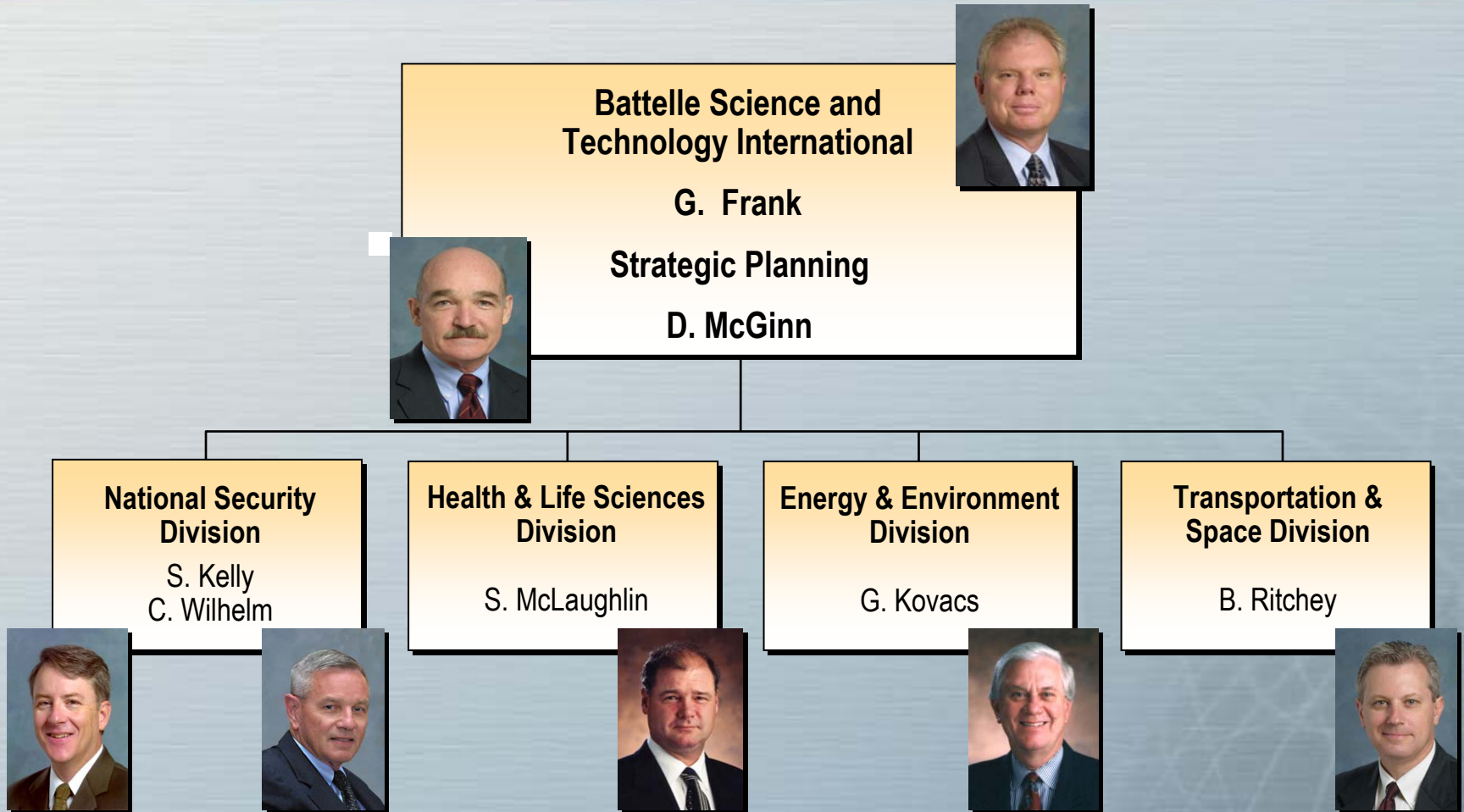
Battelle Locations



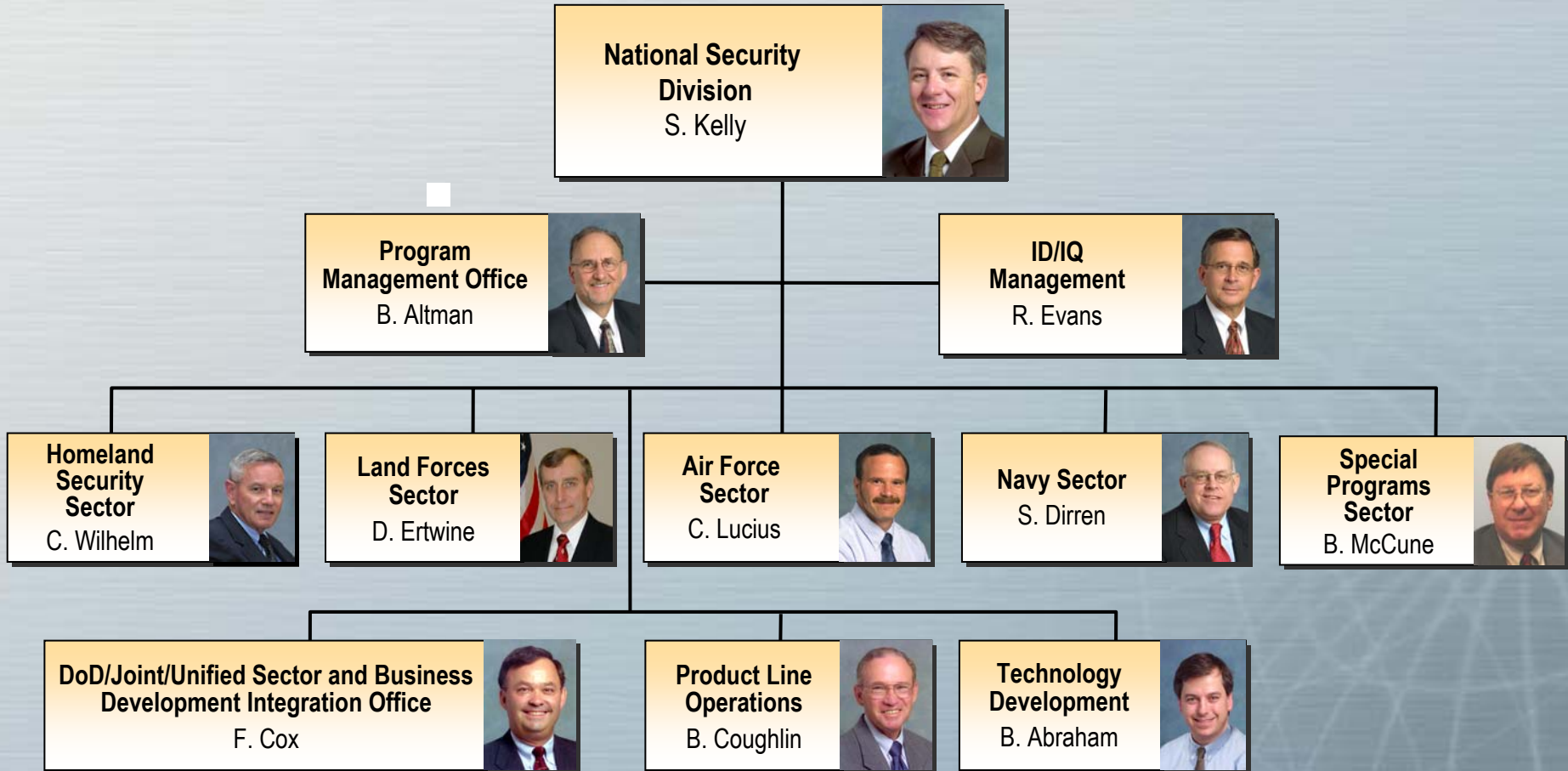
Battelle's Leadership Team



Battelle Science and Technology International [BSTI] Organization Structure



NSD Organization Structure



In-Demand, Best-in-World Products and Services

- WMD Defense – CBRNE
 - Chemical weapons demilitarization
 - Medical prophylaxis and treatment
 - Biological detection
 - Food supply safety and security
 - Policy and requirements analysis
 - Public health support
 - Operations and training
- Facility and Installation Protection

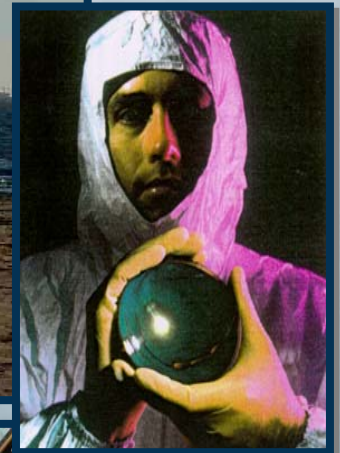
National Strategy to Combat WMD

- Counterproliferation
- Nonproliferation
- Consequence Management



Best-in-Class Solutions – Electronics and Sensors

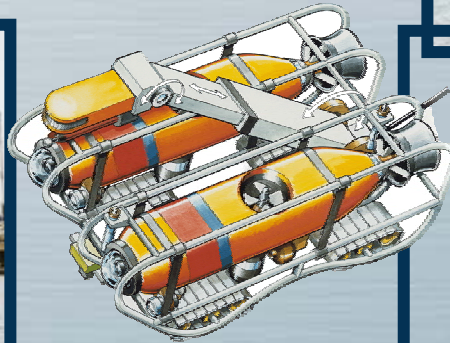
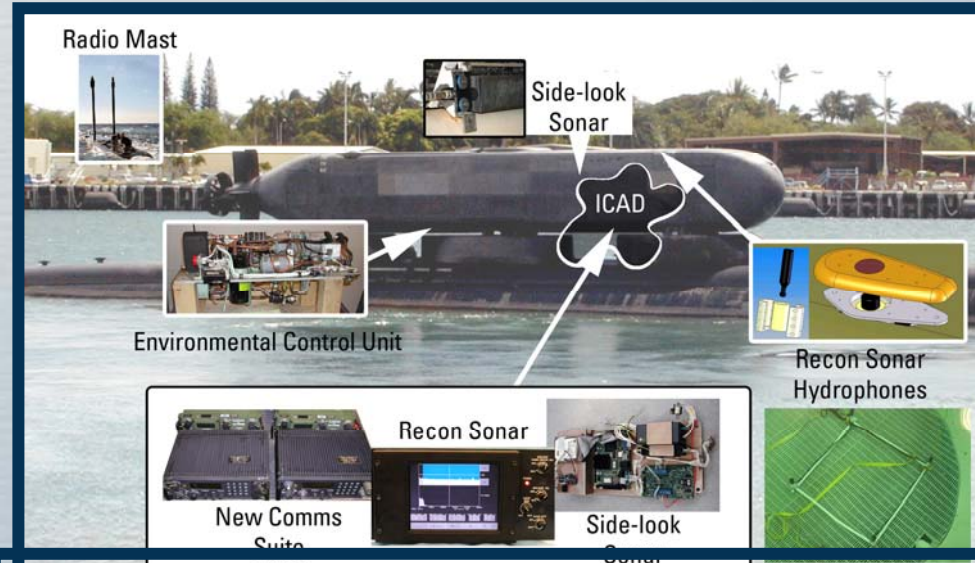
- Design, development, test, production, fielding, and support of complex electronic systems for underwater, ground-based, and aerospace applications
- Detection and Diagnostic Systems
 - Biological material detection and identification
 - Electro-optics
 - Electromagnetics
 - Surveillance/reconnaissance
 - Signature analysis and modeling
- Counter Detection and Countermeasure Technologies
 - Anti-Tamper Electronics
 - Passive Electromagnetic Countermeasures
- Electronics Products for System Sustainment
 - Form-fit-function replacement of military legacy line replaceable units and other subsystems
- Manufacturing and Contractor Logistics Support



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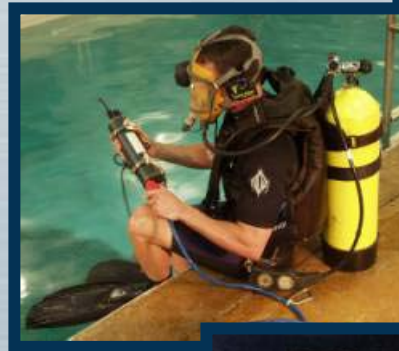
Best-in-Class Solutions – Undersea Systems

- Field-ready specialized equipment for the ocean environment
- State-of-the-art mechanical design, analysis, fabrication, testing, and field support
- Sophisticated systems engineering



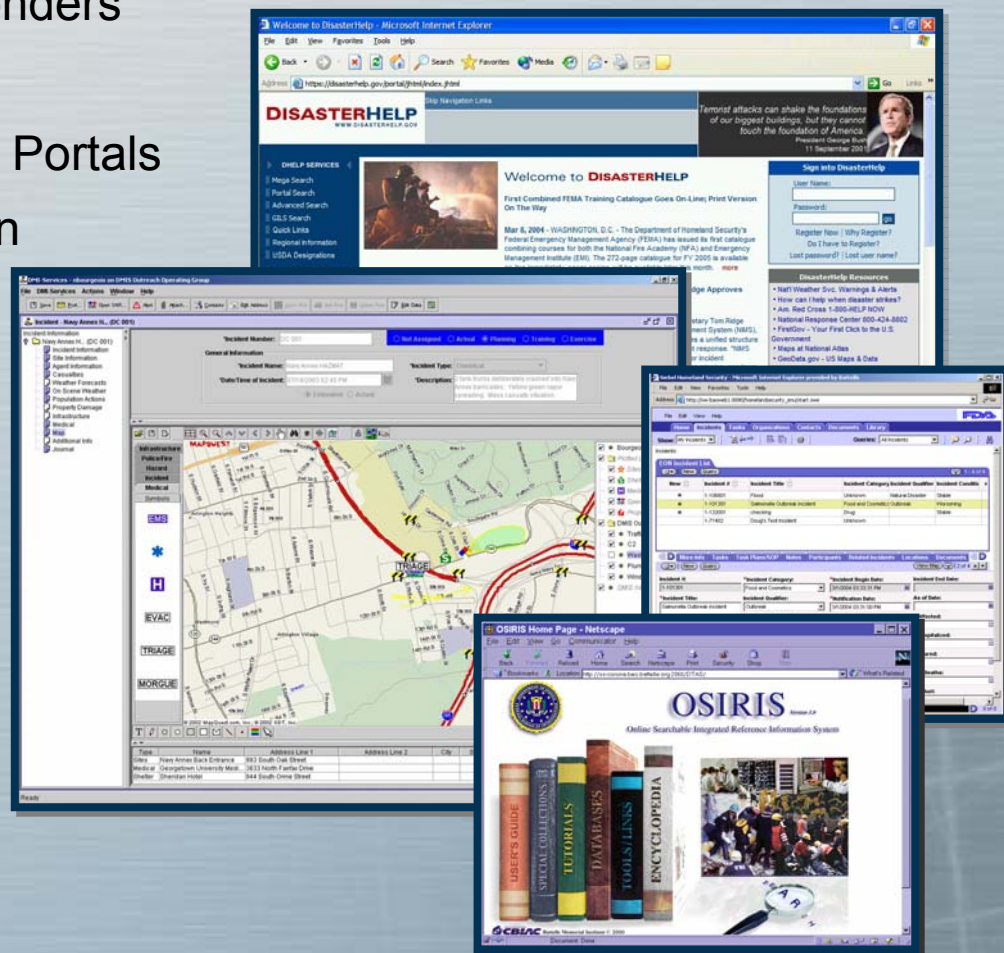
Best-in-Class Solutions – Equipment Development

- Field-ready specialized equipment for all environments
- State-of-the-art mechanical design, analysis, fabrication, testing, and field support
 - Extreme environments
 - Ocean
 - Chem-Bio
 - Acoustics and ultrasonics
 - Individual equipment
 - Transportation
- Sophisticated systems engineering



Best in Class Solutions - Knowledge Management

- Information Sharing for First Responders
- Authoritative WMD Repositories
- Disaster Information Dissemination Portals
- Advanced Analytics Tool Integration
- Enterprise KM & Interoperability Architectures



Project Profile

- >95% of the projects are managed within the Product Lines
 - PMO does not manage all the projects but sets the tone and provide the tools/training/mentoring/ support to succeed
- Approximately 700 active projects at any one time within NSD
 - Project sizes range from \$10K's to ~\$100M
 - Average project size on the order of \$750K

EVM Status

- Most current projects do not require EVM – i.e. as a client requirement
- EVM viewed as PM tool to manage projects
- NSD has mandated EVM for selected projects:
 - >\$3M CP
 - FFP >\$500K and longer than 3 months
 - Where it makes sense – e.g. when project is quick and funds are expended at high rate (>\$100K per month)
- Status:
 - Developed EVMS Manual IAW ANSI Std
 - Formal training to commence 1QFY05

Summary

- Battelle is a broad based organization that provides R&D support for Government and Industry
- Our success – like other organizations – is based on successful project management
- EVMS is viewed as Project Management tool to help project managers succeed and is being mandated even where clients do not require it
- Battelle's experience may provide a model for EVMS implementation for smaller companies