



# SPCT Panel R and D Investment Portfolio

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NSWCCD Code 6101/NAVSEA 05DM

SPCT Panel Meeting

31 Jan 2006

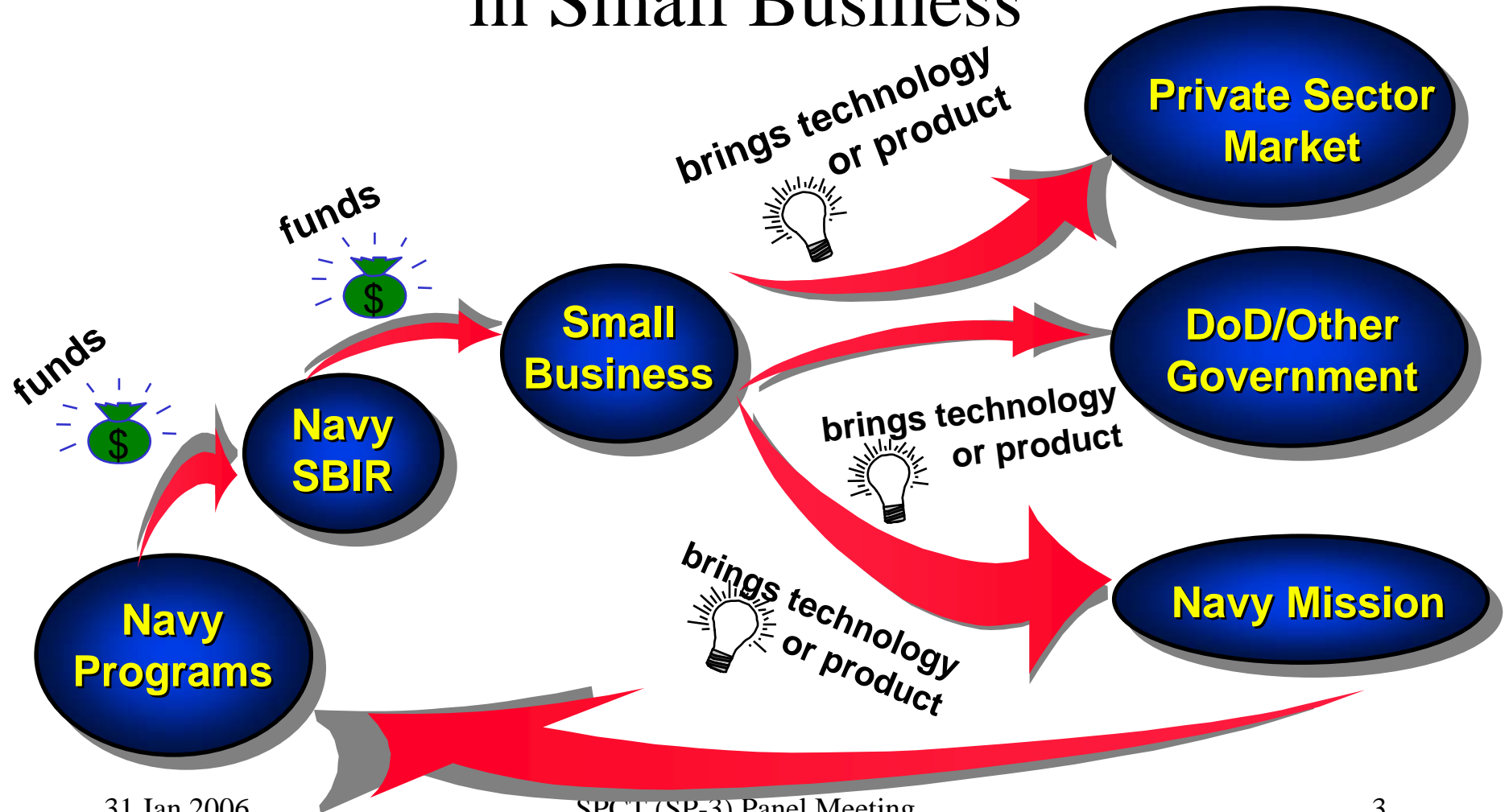


# NSRP-Associated R and D Initiatives

- NSRP Research Announcements
  - \$0.4M to \$4.0M
  - Multi-year
- NSRP Panel Projects
  - <\$100K
  - <12 months duration
- **Small Business Innovative Research Projects**
  - **Phase I - Feasibility (\$100K)**
  - **Phase II –Demonstration/Prototyping (\$750K)**
- **MANTECH**
  - **Funded at or Through a Center of Excellence**
  - **Funding Range of \$100K - \$6M**



# SBIR - Leveraging Investment in Small Business





# SBIR Ground Rules

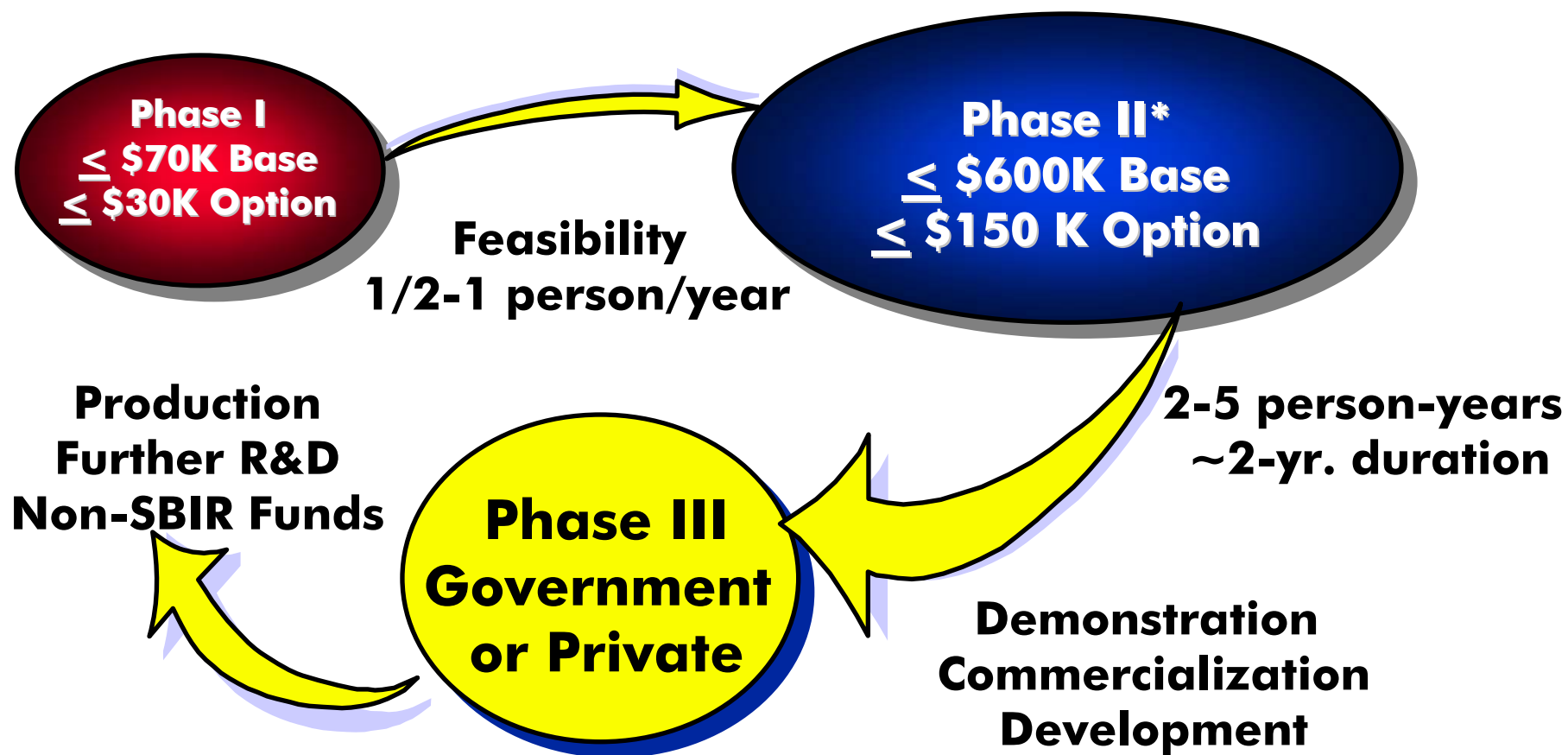


## **To Qualify for SBIR Funding the Organization:**

- Is Independently Owned and Operated
- Is Owned 51% by US Citizens
- Is Less than 500 Employees
- Is Based Principally in the US
- Is Not Dominant in its Field
- Is Organized for Profit
- Spends Minimum 2/3 of Funding Internally in Phase I
- Spends Minimum of 1/2 of Funds Internally in Phase II
- Employs PI a Minimum of 1/2 Time with SB Firm



# Program Phases





# Current SP-3 SBIR Related Activities

- ONR-Sponsored
  - Portable high-energy semiconductor diode laser for interior ship coating removal (ONR II **N03-105** )  
[www.navysbir.com](http://www.navysbir.com)
- PEOSHIPS-Sponsored
  - 6.1 Topic - In-Situ Application of Powder Coating Technology
    - Proposing Period Closed
    - Proposal in Evaluation Cycle
    - Awards Targeted for 15 May 2006



# Laser Coating Removal (Stingray)



- **Minimize Waste**
- **Multi-Surface Compatibility**
- **Spot Repair Capabilities**
- **Fast Removal**
- **Removes Corrosion**
- **Intact Surface Profile**

- **OBJECTIVE:** Develop a portable laser de-coating system that has the capability to remove coatings used in the construction of Navy ships
- **Status**
  - Prototype equipment developed in FY-05
  - Current Field Testing Option Funded
  - Equipment Improvements will be Incorporated based upon Field testing results and operator input
- **Contact**
  - Fred Lancaster
  - LANCORP Corporation
  - **724-695-7838**



# SBIR Topic Schedule

- Three topic announcement per year
  - 2006
    - 6.1 Topics Completed
    - 6.2 Topics Submitted for Approval
    - 6.3 Topics Due 18 Mar to NAVSEA SBIR Office
      - Should Submit to ATI for Routing to NAVY by 15 Feb
    - Topics calls are typically 4 months apart
      - 7.1 Topic due date – on or about 1 July

## Navy ManTech: Mission and Functions

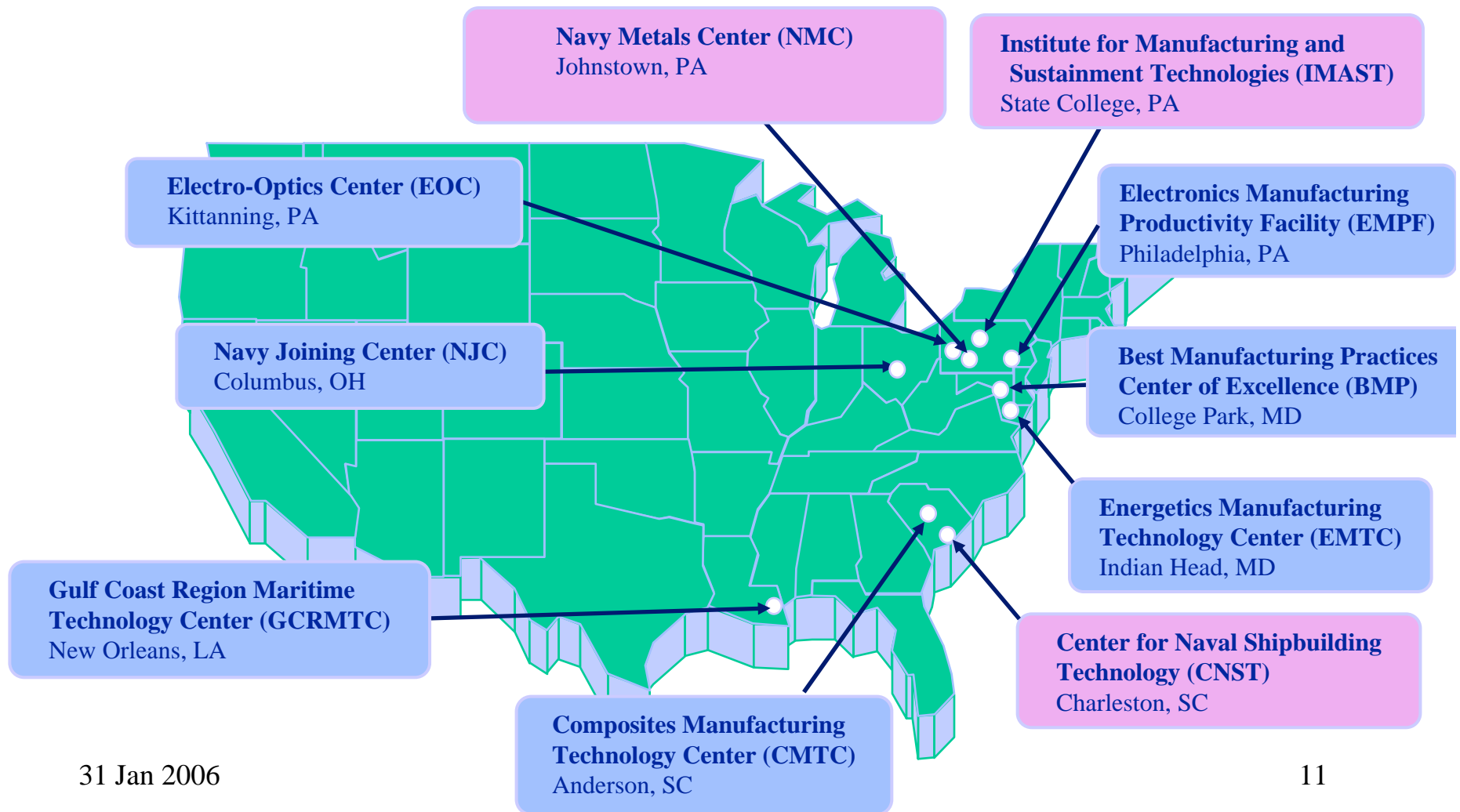
- A mechanism for the development of enabling manufacturing technology, in the form of new equipment and processes, and its implementation on DoD weapon system production lines:
- **DoD 4200.15 states investments should:**
  1. Transition emerging S&T results to acquisition programs
  2. Improve industrial capabilities in production, maintenance, repair and industrial base responsiveness
  3. Advance manufacturing technology to reduce cost, improve performance, and responsiveness

**Navy ManTech executed through Centers of Excellence**

# NAVY MANTECH Program Planning

- MANTECH Uses Program Office-Centric Approach to Develop Program
  - Major NAVY Acquisition Office Used to Develop Important Issues and Proposal Areas
  - ONR Tasks MANTECH COE's to develop proposals based upon Prioritized Program Office needs
  - ONR prioritizes and down-selects proposals
  - COE prepares project plans based upon proposals
  - ONR awards contract based upon project plan
  - COE executes project

# Navy MANTECH Centers of Excellence



## MANTECH Program Planning Timeline

- **ONR Determines Investment Details** January
- **PEO/Program Offices Develop Needs** Feb
- **ONR Ranks Priorities with PEO/PO/COE** March
- **COE Develop Project Plans** Apr-May-June
- **ONR Approves Plans; Award Contract** July-Aug-Sep
- **COE Starts Project** Oct



# Summary

- Substantial R & D Funds can be directed to Panel issues through non-NSRP sources
- SBIR topics should be forwarded to Chuck Kramer ([kramer@ati.org](mailto:kramer@ati.org)) at ATI (submitting topics to me ([william.palko@navy.mil](mailto:william.palko@navy.mil)) in parallel will smooth the submission process
- SBIR topics describe need, not solutions; they must allow for innovation. have substantial payoff potential and some commercial potential
- NAVY MANTECH program are executed through the 9 Centers of Excellence
- Needs are principally identified by Navy PEO/PO's. SPCT panel needs could be forwarded through a member shipyard with major acquisition program (CVN, DDX, LCS). Each of the shipyards with the Major Navy acquisition programs have an identified MANTECH Rep. MANTECH can fund shipyards to support demonstration and technical support