COMMAND OVERVIEW

Captain Francis E. Spencer III
Commanding Officer, NSWC Philadelphia Division

Industry Day
04 April 2018
Philadelphia Industrial Development Corp (PIDC) acquired control in 2000
• $150M in city funded infrastructure leveraged $750M private investment
• Navy Yard Campus home to 12,000+ employees and 152 companies in office, industrial, manufacturing, and research and development sectors
• Major Tenants include: Urban Outfitters, Glaxo Smith Kline, Tasty Baking Company, Iroko Pharmaceuticals, Penn State University, Axalta, Jefferson University Hospital and Courtyard Marriott
• Full build out plan: 13.5M sq. ft. development; 30,000 jobs; 1,000+ residential units; $3B investment; SEPTA subway extension
NSWC Philadelphia Division's Mission is to provide research, development, test and evaluation, acquisition support, engineering, systems integration, in-service engineering and fleet support with Cybersecurity, comprehensive logistics, and life-cycle savings through commonality for surface and undersea vehicle machinery, ship systems, equipment and material.

CAPT Francis E. Spencer III
NSWCPD Commanding Officer
THE NAVY YARD BASE MAP
NSWC Philadelphia Division Organizational Chart

Chief of Staff
COS
Cheryl Diorisio

SUBSAFE Program
Director
William Jenkins

Chief of Staff
COS
Cheryl Diorisio

COMMANDING OFFICER
Code 00
CAPT Francis E. Spencer III

TECHNICAL DIRECTOR
Code TD
Michael Kistler, SES

Command Evaluation and Review
Code 00N
Edward McGuire

Subsafes Program
Director
William Jenkins

Command Evaluation and Review
Code 00N
Edward McGuire

Commanding Officer
Code 00
CAPT Francis E. Spencer III

Office of Counsel
Code 00L
Gary Saladino

Deputy EEO
Code 10E*
Josephine McGrath

Small Business Director
Code 00K
Graham Irby (Acting)

Human Resources Director
Code 101*
Katherine McMahon

Human Resources Director
Code 101*
Katherine McMahon

HUMAN RESOURCES DIRECTOR
Code 101*
Katherine McMahon

Safety Officer
Code 1024*
Nicholas Kutufaris

Congressional and Public Affairs
Code 103*
Matthew Leonard

Activity Command Information Office (ACIO)
Code 104*
Marlene Smith

Information System Security Manager (ISSM)
Code 1043*
BJ Wyatt

Security Director
Code 105*
Edward McCunney

Deputy for Business/Business Director
Code 0BD
Todd Shaner

Quality Management Office
Code 00Q
Frank Gerace

Chief Engineer
Code 00E
Sean Brennan

Deputy Technical Director
Code TDB
Thomas Perotti

Chief Technology Office
Code 00T
Dr. E. Michael Golda

Senior Technologist
Code TDB
Dr. John Amy

Chief of Cyber Security
Code TDB
Mark Kokoska

Deputy EEO
Code 10E*
Josephine McGrath

Customer Advocate
Code 0CA
Vincent Wagner

Security Director
Code 105*
Edward McCunney

Strategic Planning
Code 00X
Glenn Ward

Comptroller Department
Code 01
David Parson

Contracts Department
Code 02
Karen Gutmaker

Corporate Operations Department
Code 10
Theresa Steck

Machinery Programs & Platforms Department
Code 20
Joseph Amadoro

Machinery Programs & Platforms Department
Code 20
Joseph Amadoro

Machinery Research, Logistics & Ship Integrity Department
Code 30
Dr. E. Michael Golda

Propulsion, Power & Auxiliary Machinery Systems Department
Code 50
B. Michael Zekas

Cybersecure HM&E Control Systems & Networks Department
Code 50
Christopher Savage

• Dual reporting (*) to CO/TD and Corporate Operations
• Formal supervisory relationship to Corporate Operations or Machinery Programs & Platforms
• CO/TD provide performance appraisal input

Machinery Programs & Platforms Department
Code 20
Joseph Amadoro

Machinery Research, Logistics & Ship Integrity Department
Code 30
Dr. E. Michael Golda

Propulsion, Power & Auxiliary Machinery Systems Department
Code 50
B. Michael Zekas

Cybersecure HM&E Control Systems & Networks Department
Code 50
Christopher Savage

A/O 31 March 2018
NSWCPD FULL SPECTRUM ENGINEERING

COMNAVSEA PRIORITIES
• On-time Delivery of Ships & Subs
• Culture of Affordability
• Cybersecurity

CORPORATE ENGINEERING KNOWLEDGE
• Navy-wide/Cross Platform
• Multi-Class/Across All Hulls
• Synergy Across All Engineering Functions

FUNDING

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<tr>
<th>Source</th>
<th>FY17</th>
<th>FY18</th>
<th>EOFY18 Target</th>
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<td>Reimbursable</td>
<td>$522.2M</td>
<td>$335.8M</td>
<td>$550M</td>
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<tr>
<td>Direct Cite</td>
<td>$553.3M</td>
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DELIVERABLES

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<tr>
<th>FY18 YTD</th>
<th>Products</th>
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<tr>
<td>1,392</td>
<td>Fleet Support</td>
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<tr>
<td>308</td>
<td>Modernization/ Repairs</td>
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<td>760</td>
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<td>464</td>
<td>Test Events</td>
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<td>21,830</td>
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<td>1,010</td>
<td>Contracts</td>
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<tr>
<td>8,678</td>
<td>Financial</td>
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Funding

| Total Civilian Workforce: 2,348 Scientists & Engineers: 1,467 |

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BUILD AN AFFORDABLE FLEET SUSTAIN THE CURRENT FLEET

SCIENCE & TECHNOLOGY
• Joint S&T w/ Industry & Academia
• Design Studies
• Technology Development Roadmaps
• Rapid Transition to Applied R&D

RESEARCH & DEVELOPMENT
• Applied Research
• Rapid Prototyping
• Analysis of Alternatives
• Hardware-in-the-Loop Demonstration

TEST & EVALUATION
• 107 Test Facilities
• Full Scale Machinery System Testing
• Shipboard System Testing
• Qualification Testing
• Software V&V

ENGINEERING
• Cybersecure Machinery Systems
• SW Development
• Ship Design and Acquisition
• M&S
• Affordability through Commonality

FLEET SUPPORT
• Emergent Issues
• Ship Modernization
• Integrated Logistics Products
• Condition Based Maintenance
• Training
NSWCPD LABS & TEST FACILITIES

AUXILIARY & LIFE SUPPORT SYSTEMS COMPLEX
• 3 Test Facilities
• 2 Buildings
• Approximately 23,500 sq. ft.

CARGO, WEAPONS HANDLING, & HULL SYSTEMS COMPLEX
• 8 Test Facilities
• 2 Buildings
• Approx. 7,000 sq. ft.

MACHINERY NETWORK, SENSORS, & DATA SYSTEMS COMPLEX
• 34 Test Facilities
• 6 Buildings
• Approx. 63,000 sq. ft.

PROPULSION & ELECTRICAL MACHINERY SYSTEMS COMPLEX
• 40 Test Facilities
• 5 Buildings
• Approx. 243,000 sq. ft.

ENVIRONMENTAL & DAMAGE CONTROL SYSTEMS, & MATERIALS TECHNOLOGY COMPLEX
• 6 Test Facilities
• 2 Buildings
• Approx. 28,000 sq. ft.

UNDERSEA VEHICLE SAIL & DEPLOYED SYSTEMS COMPLEX
• 14 Test Facilities
• 1 Building
• Approx. 42,000 sq. ft.

NSWCPD HAS 107 LABS & TEST FACILITIES WITHIN 7 BUILDINGS
A TOTAL OF APPROXIMATELY 400,000 SQ. FT.
QUESTIONS