
RHODE ISLAND DEFENSE ECONOMY PLANNING COMMISSION

NOTICE OF MEETING

DATE: Wednesday, September 20, 2017

TIME: 11:00 A.M

PLACE: Rite-Solutions
1 Corporate Place
Middletown, RI

AGENDA:

I. Southeastern New England Defense Industry Alliance

- Molly Donohue Magee- Executive Director, SENEDIA
 - Discussion of the Report on Economic Impact of RI Defense Cluster and Defense Innovation Days
 - Update on the Undersea Technology Innovation Consortium

II. Rhode Island Department of Labor and Training

- Scott R. Jensen- Director, RI DLT
 - Real Jobs RI update for manufacturing/defense

III. General Dynamics Electric Boat

- Anthony Paolino- Military & Veterans Affairs
 - Updates from Electric Boat and future growth opportunities
 - Efforts in Rhode Island around veterans hiring and services initiatives including Electric Boat Veterans Network (EBVN)

Please contact Charles J. Donovan, Jr. – Rhode Island State House - Office of House Policy

CDonovan@rilegislature.gov

POSTED: FRIDAY, SEPTEMBER 8 2017, 10:35 A.M



Southeastern New England Defense Industry Alliance

**Presentation to the
RI Defense Economy Planning Commission
20 September 2017**

SENEDIA Update



- Defense Innovation Days
- Economic Impact of the RI Defense Cluster
- Undersea Technology Innovation Center/
Consortium

Defense Innovation Days 2017



28-30 August 2017 – Newport Marriott Hotel - Newport, RI

Annual forum for DoD policymakers, Congressional stakeholders, and industry leaders to discuss future challenges, needs and opportunities



Defense Innovation Days 2017



- Over 300 attendees representing over 100 companies attended.
- 29 companies/organizations exhibited.
- Key take-aways:
 - Innovation – strongest thread of the conference.
 - Need to develop and nurture the innovation ecosystem.
 - Need to speed the journey from idea to production to deployment.
 - Need to anticipate the requirements of digital warfare.
 - Need to ensure a pipeline of trained STEM employees, the key ignition for operative innovation.

**Rhode Island has significant resources and is well positioned
in the DoD Innovation Ecosystem
“Silicon Valley of Undersea Technology”**

Save the Date: Defense Innovation Days 2018 – 27 – 29 August 2018 ⁴

Economic Impact of the Rhode Island Defense Cluster



“The Defense Cluster is strategically important to the economy of Rhode Island. It is an innovative and high-tech sector that contributes to economic growth, generates high-paying jobs, and has been resilient despite economic downturns.”

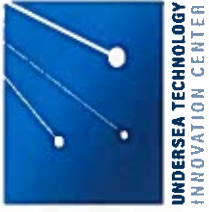
The Economic Impact of the Rhode Island Defense Cluster
Dr. Edinaldo Tebaldi – August 2017

Economic Impact of the Rhode Island Defense Cluster



- Supports \$4.3 billion in economic output in Rhode Island, representing 7.6% of the state's Gross Domestic Product.
- Is a major source of jobs in Rhode Island, supporting ~30,000 jobs, which represents 6.2% of RI total employment.
- Is the highest paying sector in Rhode Island, with average annual wage of defense civilian workers:
 - \$101,400 at the NUWC Division Newport; \$91,700 for all DoD civilian employees; \$70,200 in the private defense industry.
- Employs a highly qualified workforce.
- Creates over \$2 billion in income for Rhode Island households in 2016.
- Generates \$146.9 million in tax revenues for RI State and local governments.
- Every 100 jobs created in the Private Defense Industry supports another 119 jobs via the multiplier effect in other industries of the Rhode Island economy.

A Major Economic Engine for Rhode Island



Undersea Technology Is a Strategic Rhode Island Advantage



- In 1869, the U.S. Navy's first research facility—the Naval Torpedo Station—was built on Newport, Rhode Island's Goat Island.
- More than 180 Rhode Island organizations touch undersea technology—RI is a cluster leader not just in New England but in the entire country.
- In Rhode Island, we know that the ocean offers almost infinite opportunities to explore every aspect of science, technology and engineering—both in the defense and non-defense sectors.
- The emerging and future undersea technologies will create unlimited avenues for exploration and discovery.

“The Silicon Valley of Undersea Technology”



Undersea Technology Innovation Center “An Ocean of Possibilities”

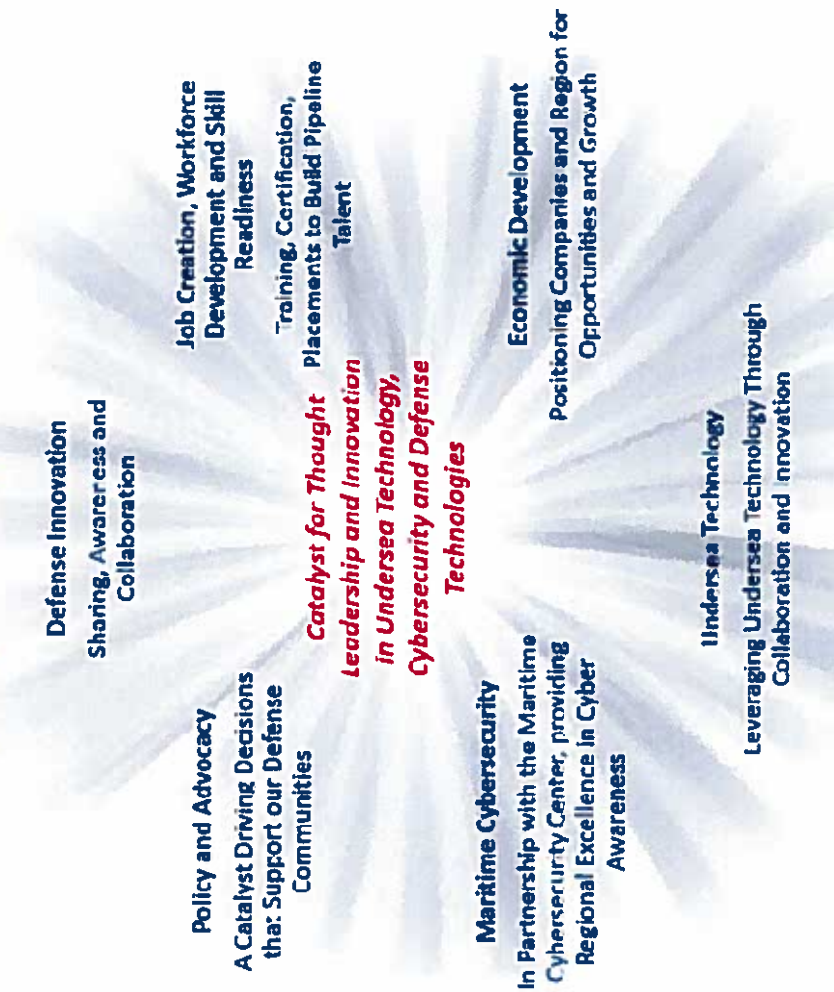


- **Undersea Technology Innovation Center**, a Rhode Island-based consortium for national undersea technology excellence. Initially resourced by grants from the **van Beuren Charitable Foundation** and the **RI Foundation**.
- **Mission Statement:** Leverage leading-edge research, development and technologies across the entire industrial and academic base through a collaborative framework and innovative partnering to accelerate the prototyping and demonstration of critical undersea and maritime solutions in support of our nation’s security and defense, particularly focusing on timeliness, affordability and best practices, while expanding commercial markets.
- **UTIC’s consortium-based model** welcomes participation by organizations—both traditional and non-traditional in this space—that have technologies that can contribute to undersea and maritime applications. It also provides assistance, including mentoring, to companies that want to enter the defense sector by matching up government requests for research, development and technology with businesses that can provide the needed services.
- **UTIC is formalizing a national consortium**, to date over 225 members, who work collaboratively with the U.S. government to develop undersea and maritime technology solutions.

UTIC is positioning to be the successful bidder for NUWC’s upcoming Other Transactions Authority Opportunity for Undersea Technology Innovation



In case you were wondering what SENEEDIA does...



Our mission is to enable the development of innovative technology, foster thought leadership, and facilitate required workforce development.

Visit us at <http://www.senedia.org> to learn more.

Defense Economy Planning Meeting

Director Scott Jensen

9/20/2017

REAL JOBS RHODE ISLAND

Real Jobs RI grows business-led partnerships that build workforce solutions to address their unique workforce challenges.

Solutions can be:

- Placing new employees into immediate job openings;
- Up-skilling current employees to advance skills and/or remain competitive;
- Creating pipelines of talent for the future.

Real Jobs RI is a win/win because companies get the talent they need to compete globally and grow locally, and Rhode Islanders get opportunities to thrive in a flourishing economy.

It starts with employers....



...who develop workforce solutions....



...and connect Rhode Islanders with opportunities....



Defense & Manufacturing Partnerships

Real Jobs RI is supporting the Defense Industry through the following partnerships:

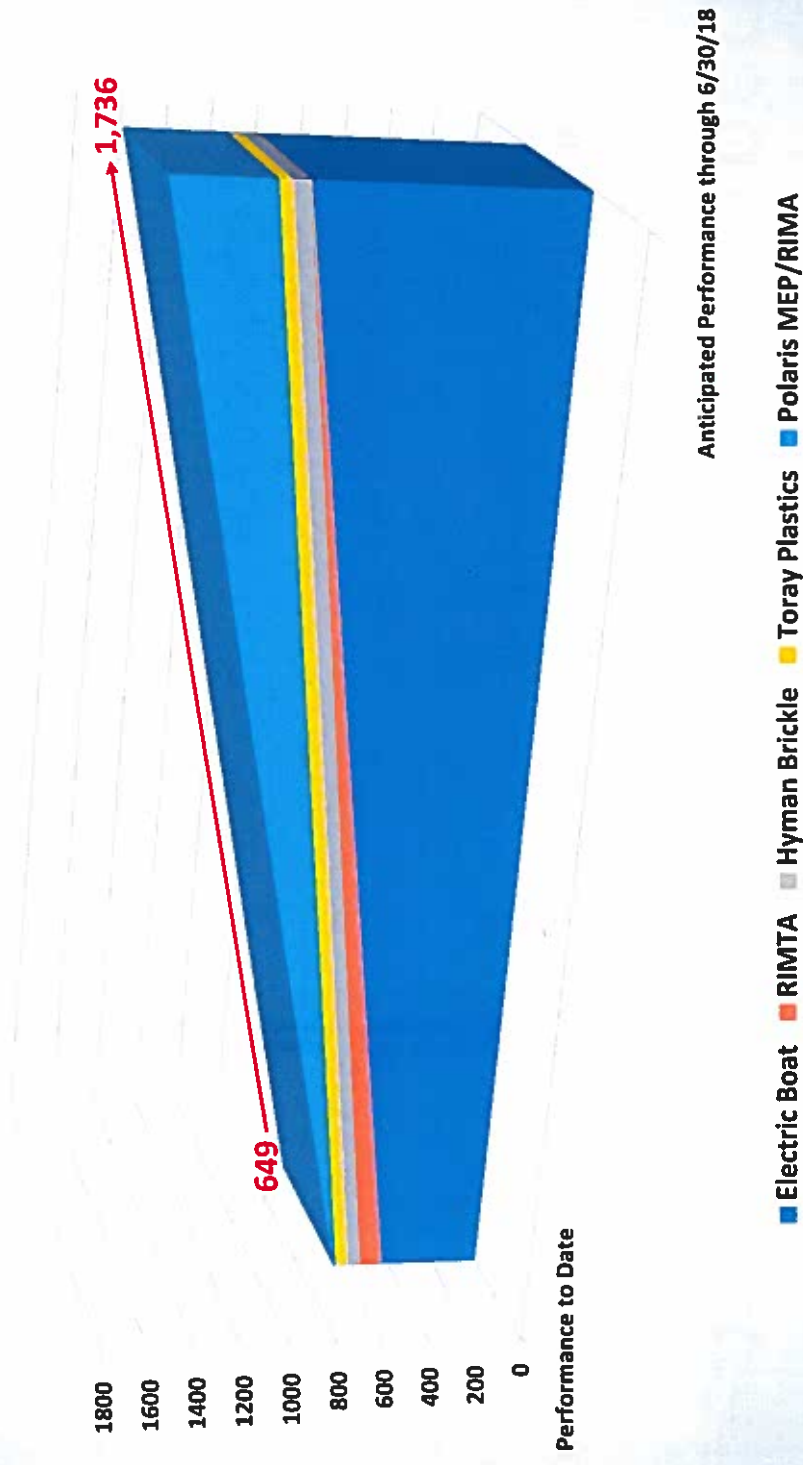
These partnerships focus on areas including:

- Cybersecurity,
- Undersea Technology
- Defense Manufacturing
- Maritime Trades Training
- Lean Manufacturing and Supervisory/Leadership Development

Partnership Title	Target Industry	Lead Applicant
Leadership Development Partnership of RI	Manufacturing	Toray Plastics
Marine and Composites Real Jobs Partnership	Marine Trades	RI Marine Trades Association
Phoenix Partnership	Manufacturing	Hyman Brickle & Son, Inc. (HBS)
Pipeline to Manufacturing Careers in Ship Building	Defense	Electric Boat Corporation
Real Jobs Rhode Island Cybersecurity Partnership	Defense	SENEDIA
Rhode Island Manufacturing Bootcamp	Manufacturing	Polaris MEP

Real Jobs RI Training in Manufacturing (Includes Defense Manufacturing)

Current and Anticipated Performance through 6/30/18



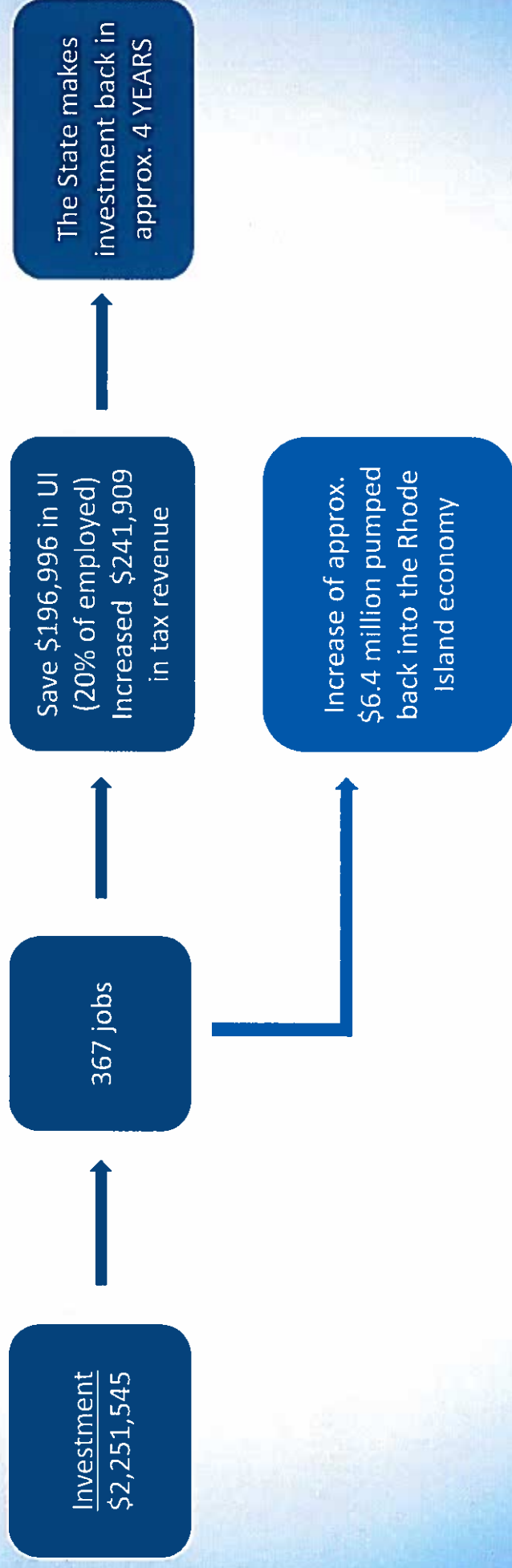
Electric Boat Partnership

(Progress to Date)

- 469 job seekers have been enrolled in training through either NEIT or CCRI.
 - 418 completed the training and now hold permanent employment at Electric Boat (a 97% program success rate)
 - The average wage of those placed is: \$35,628
 - 35 are currently in training
 - 16 dropped or were terminated from the program
- 7 incumbent workers have received training to advance to supervisory positions.
- 28 high school students completed summer internships at Electric Boat to prepare for employment upon graduation.
- Funding for curriculum development, equipment, and text books contributed to the roll out of new programming in Maritime Trades in 6 CTE schools across the state.

Electric Boat Return on Investment

(Snapshot based on Initial 367 Job Placements)



Workforce Pipeline Development

(CTE Program Roll-Out)

Workforce Pipelines	Rhode Island Training Partners						
	Charlho CTE	Coventry CTE	Cranston CTE	Davies CTE	Providence CTE	Warwick CTE	Westerly HS
Maritime Electrical				Sept 2016 ✓	Sept 2017		Sept 2017
Machining				✓			P-TECH Sept 2016 ✓
Maritime Pipefitting					Sept 2016 ✓		Sept 2017
Maritime Sheetmetal					Sept 2017		Sept 2017
Shipfitting	Sept 2016 ✓	Sept 2016 ✓				Sept 2017	
Welding	Sept 2016 ✓	Sept 2016 ✓	Sept 2016 ✓		Sept 2016 ✓	Sept 2016 ✓	

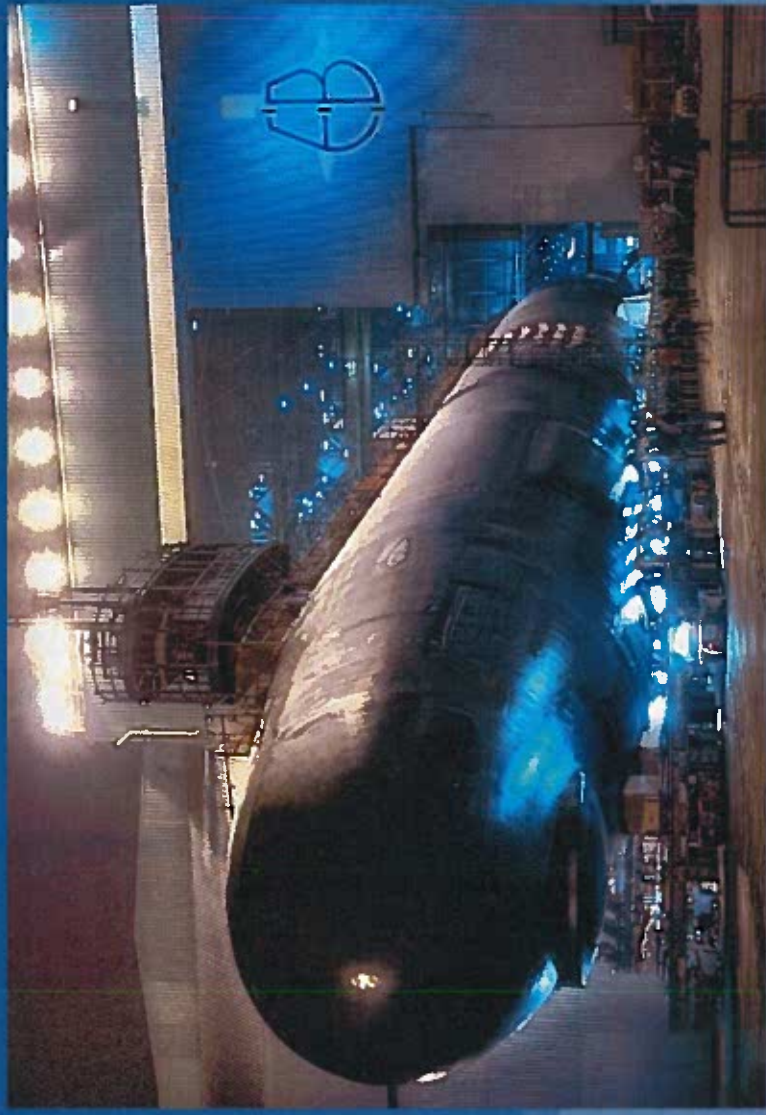
CTE Program Enrollment (Maritime Trades)

Program	2016-2017 Enrollment	2017-2018 Enrollment
Chariho CTE Welding & Shipfitting	34	64
Coventry CTE Welding & Shipfitting	39	45
Cranston CTE Maritime Welding	28	28
Davies CTE Machining/Manufacturing	49	50
Davies CTE Maritime Electrical	65	75
Providence CTA Maritime Welding	47	53
Warwick CTE Maritime Welding	30	35
	292	350

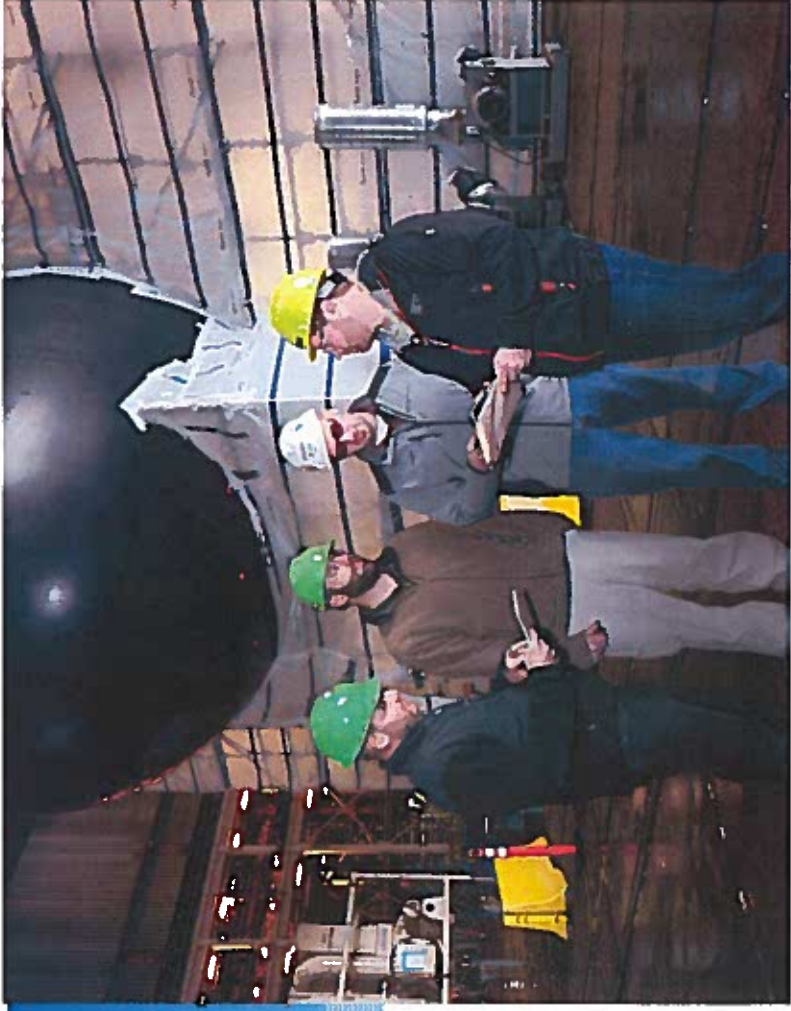
GENERAL DYNAMICS

Electric Boat

Anthony Paolino
Military & Veterans Affairs
General Dynamics Electric Boat



Who We Are



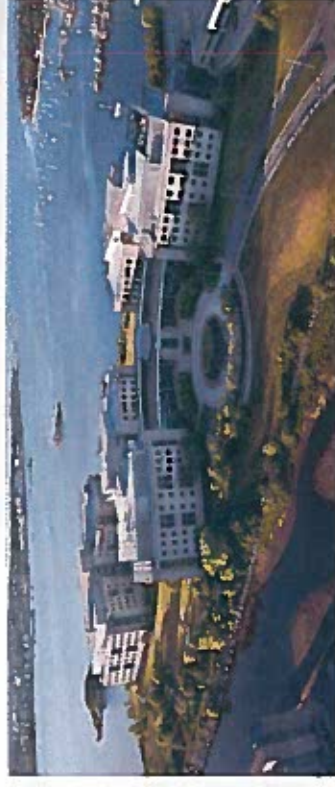
Electric Boat, established in 1899, has high standards of excellence in the design, construction and life-cycle support of submarines for the U. S. Navy.

Major Locations

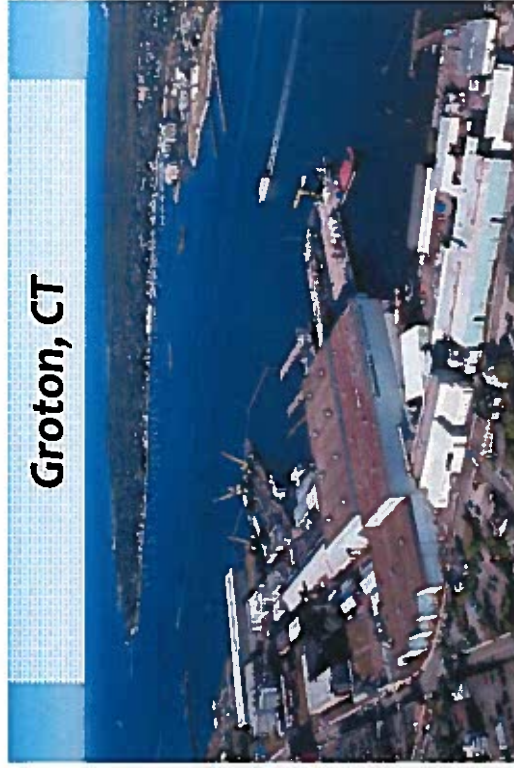


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Electric Boat

New London, CT



Groton, CT



Quonset Point, RI



Electric Boat Corporation Overview

Locations and Staffing



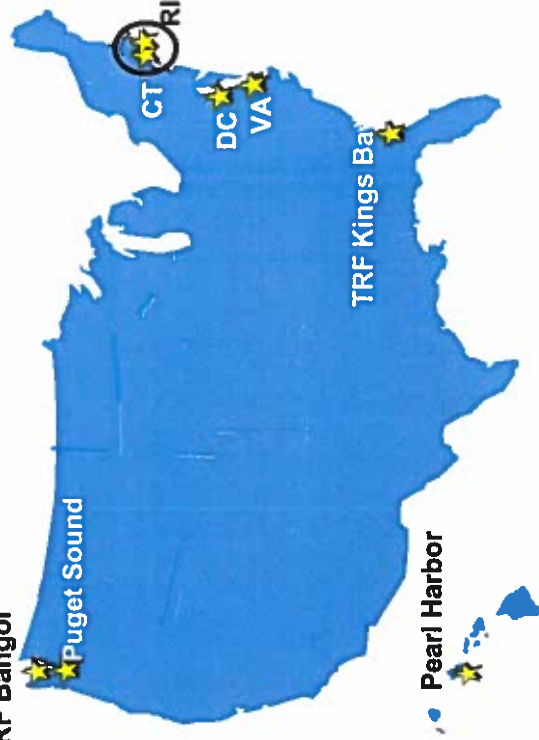
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Major Locations (12,000+ employees)

- Groton/New London, Connecticut
Engineering/Design/Construction
8,000+ employees

TRF Bangor

Puget Sound



- Quonset Point, Rhode Island

Manufacturing

Roughly 4,000 employees

Other sites: (2,000+ employees)

- Kings Bay, Georgia
- Pearl Harbor, Hawaii
- Bangor, Washington
- Washington, D. C.
- Norfolk, Virginia
- San Diego, California

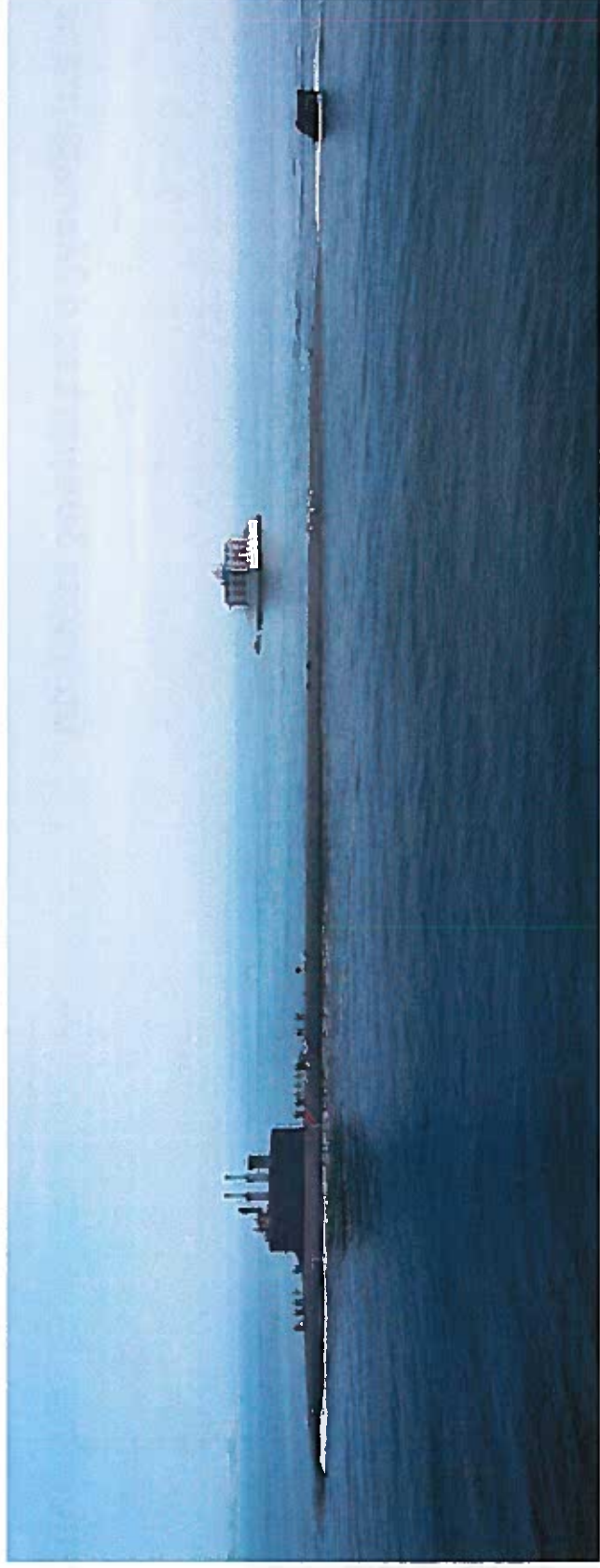
Total of 14,000+ employees

Excellent Business Outlook



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Electric Boat awarded \$18B contract for ten VIRGINIA Class submarines. This was the largest single contract ever awarded by the U. S. Navy. Next, the Columbia (Ohio rebuild)

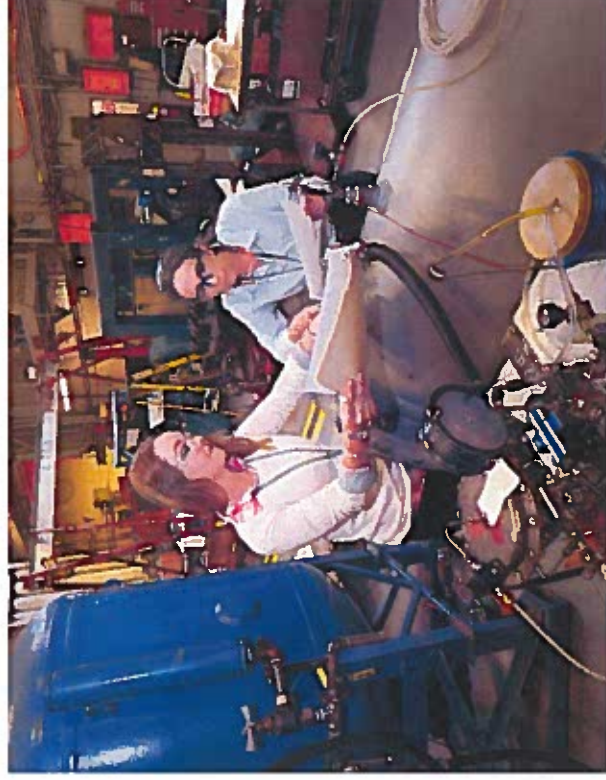


Professional Employment Opportunities



Engineering

Acoustics
Aerospace
Electrical
Civil
Computer
Chemical
Mechanical
Materials
Nuclear
Systems
Welding



Business Support and Management

Accounting and Finance
Communications
Human Resources
Legal
Medical
Planning
Program Management
Purchasing
Quality
Security
Supply Chain Management

Applying to Electric Boat you must:

- ❖ Be able to obtain security clearance process, pass a background check, drug screening, and medical
- ❖ Must be a United States citizen
- ❖ Prepared to build the most complex vessel built by man



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Talent Development and Acquisition

- * **We need to build sustainable pipelines now**
- * Hiring 350-500 even in flat years
- * The biggest hiring year in recent past



- * **Hired over 1,000 people 2017 YTD at QP**
- * **Many hired through the RIRJ partnership**

Veterans at Electric Boat

- ❖ We will not be able to solely recruit our way through the future growth, we need to develop it
- ❖ Veterans a tremendous fit to culture, training and mission
- ❖ A diverse workforce, bringing a wealth of applicable skills and experience



Veterans at Electric Boat

- ❖ Over 2,280 veterans currently at EB (550+ in RI), 15% of workforce
- ❖ 216 vets hired in 2016, already over 300 in 2017 YTD
- ❖ Need to continue a strong working partnership with DLT, CCRI and other state partners, to achieve our pipeline and training demands



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Veterans at Electric Boat

- ❖ Launched EB Veterans Network in 2017
- ❖ Expanding vet outreach capability
- ❖ Access and awareness of resources
- ❖ Partner with UniteUS/RI Serves
- ❖ Developing veteran mentorship
- ❖ American Red Cross modules offered
- ❖ New hire focused on internal programs
 - ❖ Increasing access to opportunities
 - ❖ Identifying “best fit” with vets
 - ❖ Improving translation of military skills



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Questions



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A Lockheed Martin Company



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