

Advanced Manufacturing Technology

What does the shipyard of tomorrow look like? What technologies are being developed now that can improve submarine production? These are just some of the questions being asked by the Industrial Engineering - Advanced Manufacturing Technology Team. This team is chartered with helping to identify and develop new manufacturing technologies and processes to advance Electric Boat's manufacturing capabilities.

What does that mean for Quonset Point?

There are dozens of ongoing projects at Quonset Point funded by the Office of Naval Research Manufacturing Technology (ONR ManTech) program to research, develop, prototype, and test new technologies around the shipyard. The Real Time Locating System (RTLS) project is one such project that is being implemented at QP today. Anyone who has worked on their car and spent 20 min looking for the 10mm socket understands the importance of being able to locate the right tools. The RTLS project will utilize Bluetooth/GPS trackers to track high value items (GFE items, forklifts, fixtures, tools, weld machines, etc.). The system is being implemented within the green buildings shown in the facility map and is being expanded right now around Quonset Point with 6,000 trackers purchased.



Two other recently completed projects being implemented will enable improved performance in Steel Processing. Successful ManTech efforts is resulting in the purchase of both CNC controlled forming machines and submerged plasma equipment for cutting and beveling operations. The addition of these capabilities will help ensure Quonset Point can meet the capacity demands of the future while

increasing shipyard volume and velocity!



CNC Forming



Submerged Plasma Cutting/Beveling

Current projects in work cover a wide range of technologies from exploring the use of Artificial Intelligence for Planning applications, increasing automation in manufacturing and improving Welding Processes to the utilization of Robotics and Augmented Reality systems. With Operations and other key stakeholders, the AMT Team is bringing an engineered approach to submarine construction by developing technology solutions to better support our construction needs; making our construction processes more efficient, effective and SAFER! A more complete overview of current and past projects is available on the [AMT webpage](#). Ideas for new technology and innovation can be submitted on that site or by contacting a member of the team at mantech@gdeb.com. Project ideas can range from a research study into new technology, testing an existing technology, or building a new prototype in a shipyard production area. The AMT team will evaluate project ideas and help assess the best strategy for development.

Robert Barlow
Sr. Manager - Industrial Engineering

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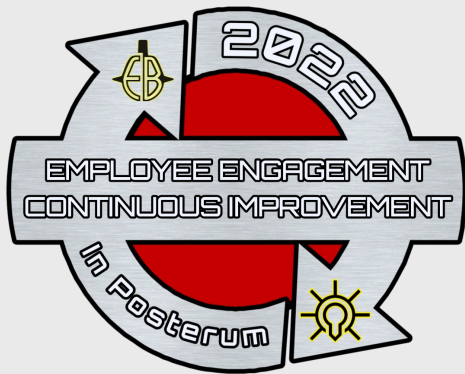
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The QP WIB is produced by EB Communications.
To submit ideas, contact rmarques@gdeb.com



CONTINUOUS IMPROVEMENT

8 Wastes - Waiting



Whether you're sitting in traffic, **waiting** for a winning lottery ticket, or standing in line for lunch, you are most likely getting irritated as you watch the clock and think about how you could be doing something much more productive. **Waiting** is an obvious example of **waste** in your personal time as well as one of the most common types of **waste** that we encounter in a manufacturing setting and does not provide any value to our assigned task, or Electric Boat.

The Longer the Line — The Longer the Wait — The More the Waste

In many cases, waiting can compound itself, amplifying the impact it has on the company. That means that each minute you wait, additional labor minutes behind you that are being **wasted** as well.

Did you know that if eleven customers stand in line for a transaction that takes four minutes each person to complete the combined loss of time totals 4.4 labor hours? IT'S TRUE!

Now think of all the time you spend daily **waiting** for tools in a crib, **waiting** for your supervisor to sign a document, **waiting** for assistance from another employee, or **waiting** for preheat to reach the necessary temperature. It all adds up!



There is no one solution to **waiting**, and each case should be evaluated individually. However, there are some solutions that can help alleviate some of the more common sources of **waiting**.

1. Personal Issue Tooling
2. Welder Make Ready—One person retrieves the wire for all the welders on their crew
3. Active Communication between Departments and Organizations ensuring timely support

Do YOU have any ideas on how to reduce the time you spend waiting?

Have a process improvement idea, or simply just want a board to bounce ideas off? Discuss your idea with your Supervisor. If additional resources are required for implementation, your Supervisor can contact Crystal Sherman at csherman@gdeb.com.

2022-2023 PROVIDENCE BRUINS
GROUP OUTING

Electric Boat



Ticket Details

- 100 Level Seating on Attacking Side
- Providence Bruins Baseball Hat

Other Available Games

- Wednesday, April 5th @ 7:05
- Friday, April 7th @ 7:05 - Poster Giveaway Night
- Saturday, April 8th @ 7:05 - Sports Bottle Giveaway
- Saturday, April 8th @ 7:05 - Team Poster Giveaway

Tickets Starting at \$24 Per Person

Over 50% off Box Office Pricing!

PURCHASE ONLINE NOW AT:

www.ProvidenceBruins.com/ElectricBoat

PURCHASE INSTRUCTIONS: Once purchased, you will receive an email from Fevo, our group ticketing platform, with instructions to access your tickets. For more info, please call/email: Anthony with the Bruins at (401) 680-4713 or Pontrelli@pseagency.com.

24th Annual Electric Boat Quonset Point Golf Tournament

The 24th Annual Electric Boat Quonset Point Golf Tournament will be held on Saturday, September 17th at Richmond Country Club in Richmond, RI. A shotgun start is scheduled for 7:30 a.m.

The tournament is open to all Quonset Point employees and retirees. The cost is \$125 per person, which includes greens fees, cart, prizes and dinner. Sign-ups are limited to the first 36 teams on a first-come, first-served basis that submit full payment of \$500, completed sign-up sheet and completed Release of Liability Form.

Each golfer, including retirees, must complete a Release of Liability Form. Retirees should fill in "Retired" in lieu of badge number.

The tournament format is a scramble. Prizes will be awarded following the dinner.

To reserve a foursome, complete the sign-up sheet, Release of Liability Form, and submit full payment to the individuals listed below on the All Team Notice that is sent out for the tournament. They will also have additional forms available.

Please be advise any changes to your team after August 4th, 2023- I will not be able to change the shirt size.

Chris Barnes D902

Located in Sheet-metal Vent Shop Office

Chris Levenseller D915

Located 9A 2nd floor Bay 5 Offices in the front of bay 5

Break the Fast Challenge

You know that good nutrition helps you feel your best physically, but did you know that healthy eating can improve your mental health as well? Fueling your brain with the right foods can help you think more clearly, stay alert and focused, improve attention and boost mood.

One of the best places to start is the first meal of the day: breakfast. Would you like to get more ideas and inspiration to make a healthy breakfast part of your routine?

Join the Break the Fast Challenge

- Set a goal for yourself to eat a healthy breakfast and check off each day you meet your goal on the challenge calendar..
- Receive weekly emails with tips and ideas to keep you motivated.
- Return your calendar to your Wellness Coach at the end of the challenge and earn a chance to win one of three Healthy Breakfast Kits (worth \$60 each).

Challenge will begin March 20th and run through April 21st. Enrollment is on a rolling basis, join anytime.

Participate as an individual

Reach out to your Wellness Coach saying you would like to participate. Include your name, email address and badge number. You will receive a welcome email with the details you need to get started. After completing the challenge you'll be entered into the raffle drawing.

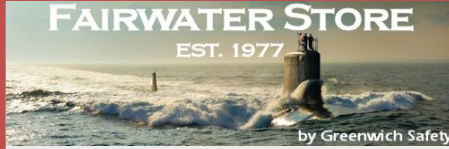
Participate with your a team

Invite your on-site Wellness Coach to come out to your team for a 15 minute wellness break on the power of eating a healthy breakfast. Participants will be entered into the raffle drawing and the Wellness Coach will bring a snack to share.

RI & NEO Points of Contact:

Don Black | Donald.black@optum.com | 952-2056067

Jennifer Fine | Jennifer.fine@plusone.com | 401-465-1097



- Coming VERY soon: THRESHER 60th Anniversary Apparel!!!
- Hurry In!! USS Arizona Long Sleeve & Hoodies Back In Stock!!
- JUST ARRIVED!! District of Columbia, MA & RI Snapback Hats!!
- Come In & Check Out Our USS Massachusetts Collection Today! Going Fast!
Hours of Operation
7:30 am to 4:00 pm



QP Weekly Safety Briefing
04/02/23 – 04/08/23

200%
ACCOUNTABILITY

Electrical Safety Stand Down
Inspection to take place
April 6, 2023



Week 14

GENERAL DYNAMICS
Electric Boat

Policy Statement # 13: Electric Boat Corporation has established Occupational Health and Safety as the Company's Number One Priority.

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**KEEP YOUR
CAR IN THE
GARAGE**



Let's Ride Together.
Call Shaughn Earle at 781-974-8790.

GENERAL DYNAMICS
Electric Boat

COMMUTE
with enterprise

United Healthcare Lunch Break

Meet with Alicia Kelley, the onsite United Healthcare Benefits Advocate during lunch to learn more about EB's health insurance plans, ask specific questions, and get to know your United Healthcare and Optum benefits! Come say hello and receive a free UHC reusable shopping bag while supplies last.

Alicia will be available during the below dates and times in April:

Tuesday, April 11th: B60 Cafe 11am - 12 noon

Thursday, April 13th: B2003 2nd Floor Cafeteria 11am - 12 noon

If you're not able to make it, no sweat! Alicia can be contacted to make an appointment or answer your questions at 763-361-3190 or alicia_kelley1@uhc.com -- no text messages, please