

# Safety Commission Plenary: Project Highlights, including a review of improvement strategies and tools used in Award Winners' Safety Cultures



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WEDA: 2021 Virtual Dredging Summit  
Thursday, June 17, 2021

# With special thanks to the WEDA Safety Commission:

- Julie Hile, WEDA Board of Directors
- Zach Chester, Gulf Coast Senior
- Jos Clement, West Coast, Senior
- Margaret Davis, Midwest Young WEDA
- Stan Ekren, Midwest Senior
- Jeremy Gasser, East Coast Young WEDA
- Gail Johnson, East Coast Senior
- Randy Steed, West Coast Senior



# Virtual Safety Briefing

## Hazard Check

- ✓ Am I home alone?
- ✓ Tripping hazards
- ✓ Means of egress
- ✓ Outside weather
- ✓ Workspace ergonomics



*Make sure to have your keys and shoes handy!*



# Innovative Safety Improvement Strategy

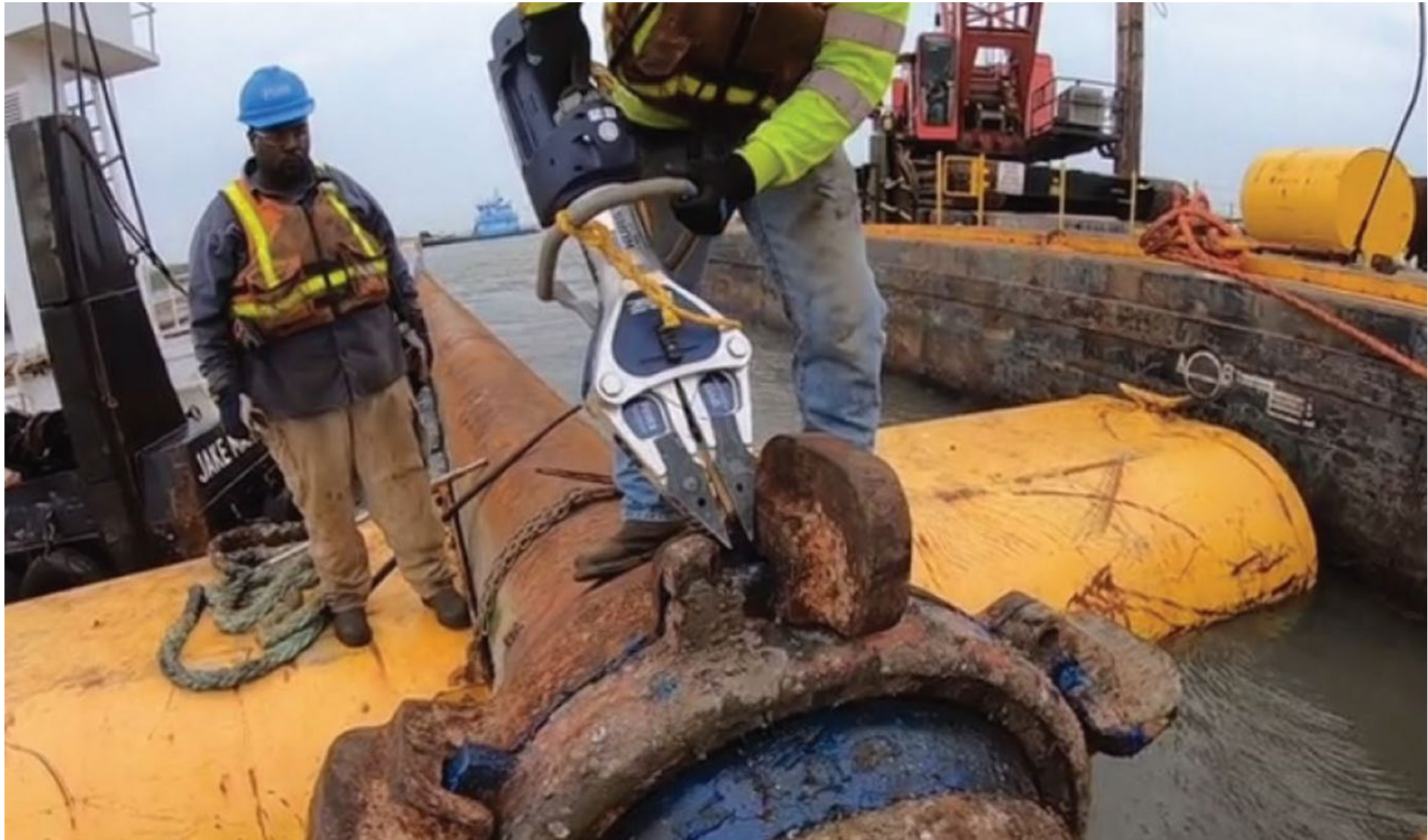
Robert M. White, CSD



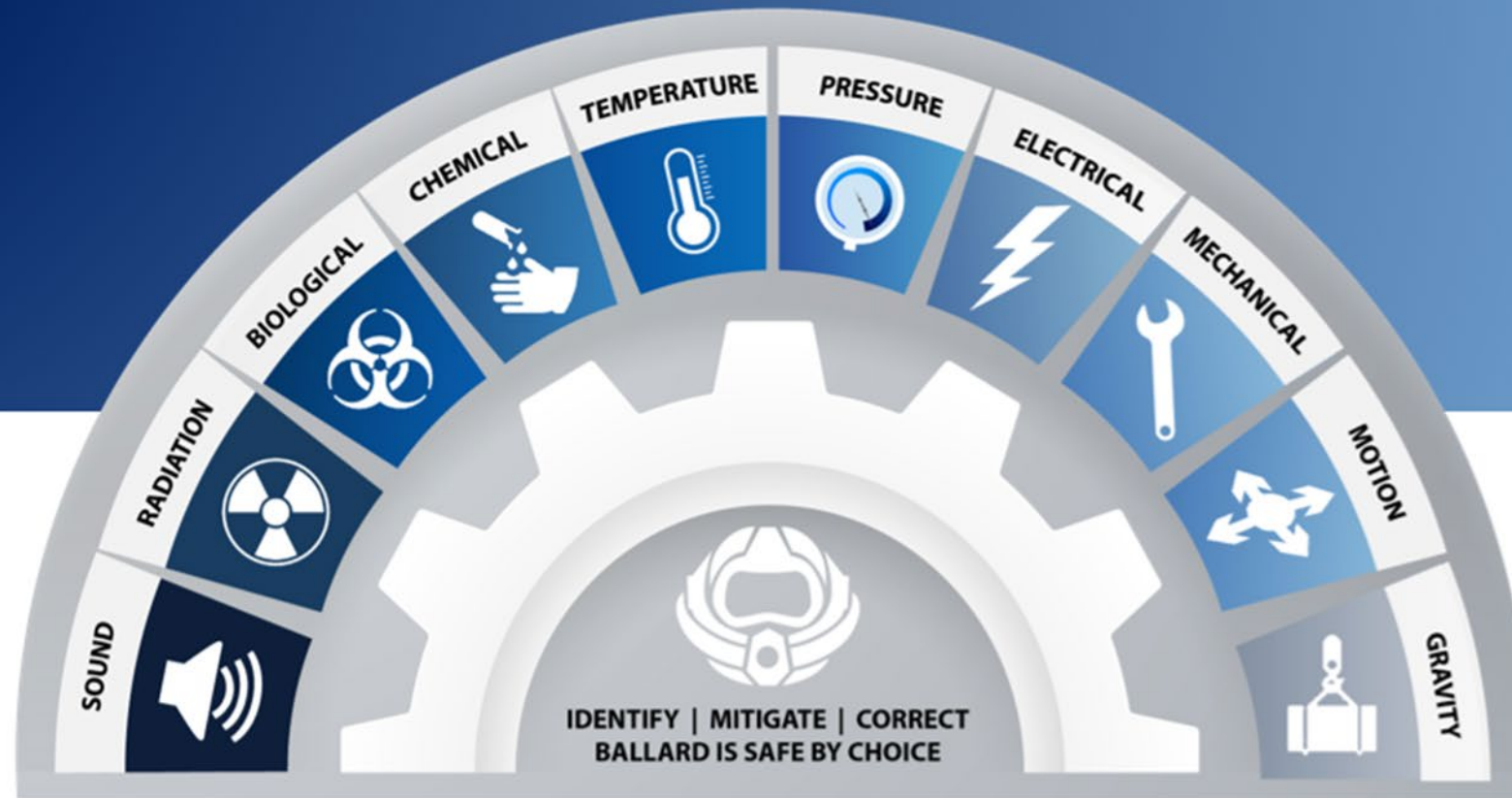


Innovative Safety Improvement Tool

Using the Jaws of Life to break connections



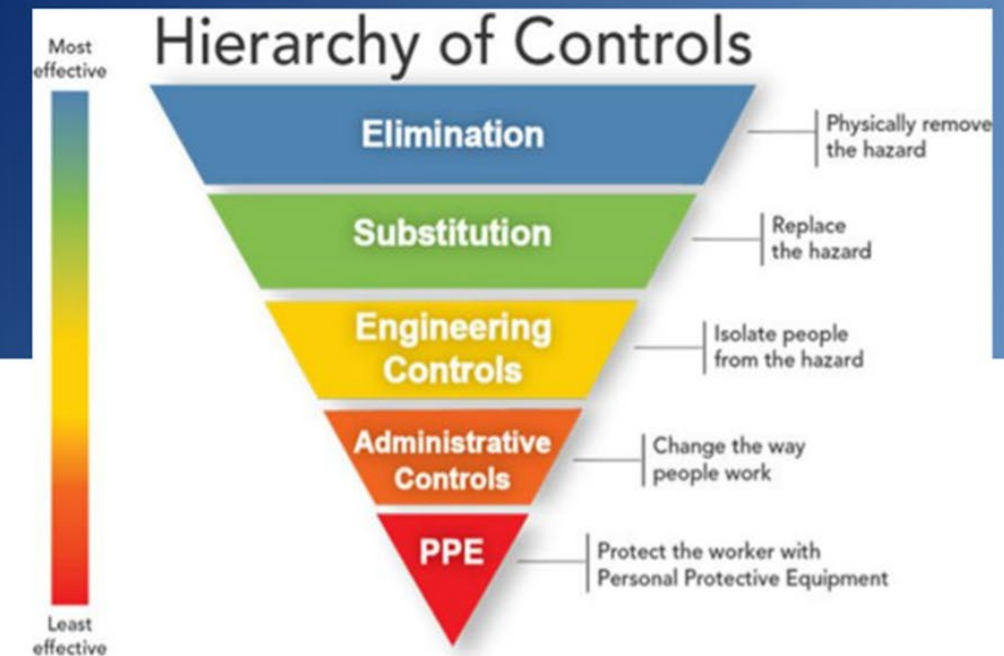
# TOOLS OF THE TRADE



Energy Wheel

Ballard's Field Level Hazard Analysis Tool

# TOOLS OF THE TRADE



The Hierarchy Prioritizes Options

The Easiest System to Standardize Hazard Assessment and Training



## REMOVING THE SILO

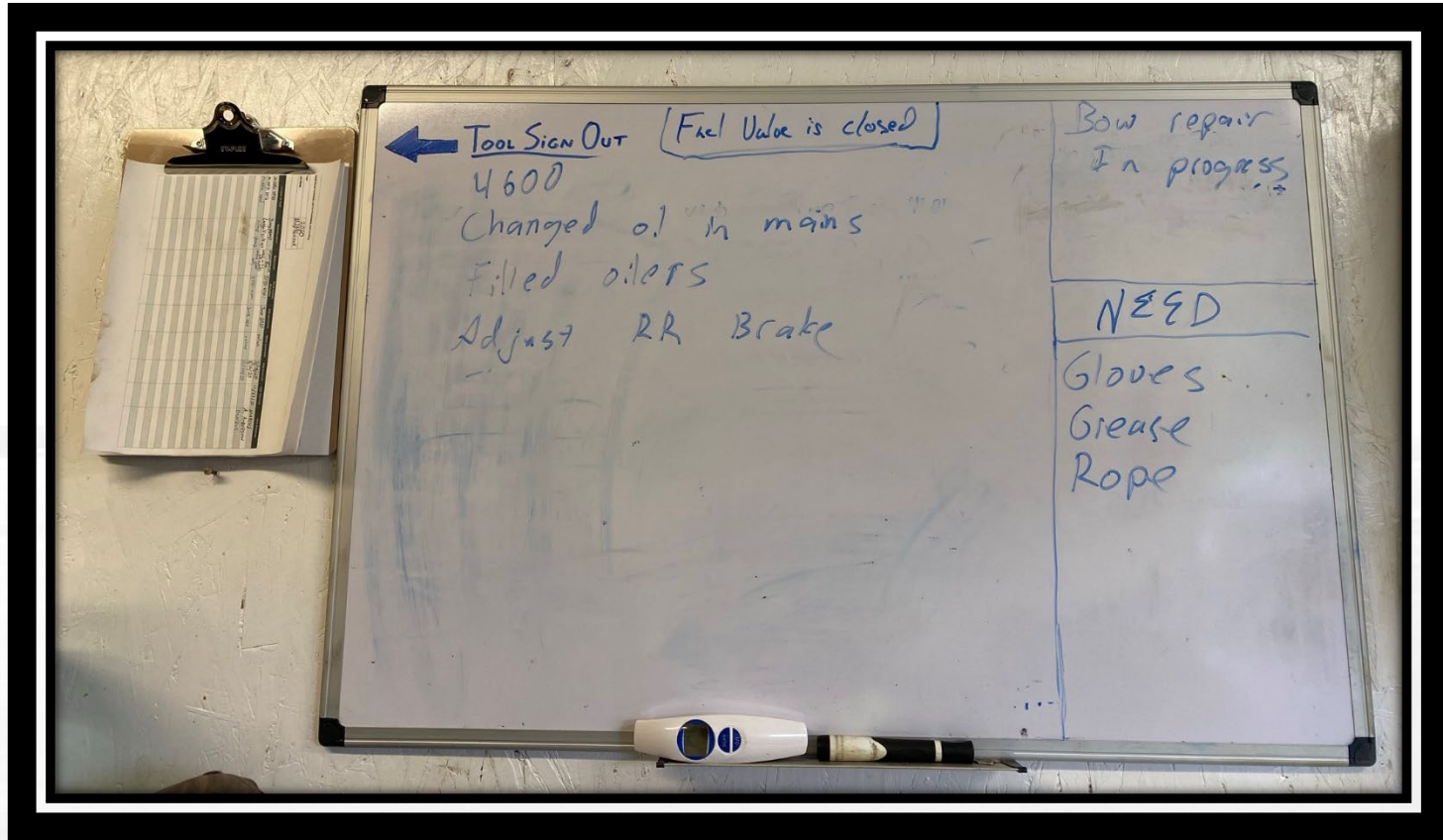
- Ballard believes that Efficiency, Quality, and Safety are the same thing
- By recognizing that the clients share these values we create common purpose
- By taking Safety out of its' silo, we revitalize it as an action word
- Let the Team in on the Secrets



## SAFETY – SHARED VALUES



- Shareholders are partners when safety is part of the culture
- Identification of shared metrics invites others to collaborate
- Use the Tools to evaluate mitigation options systematically



## Keeping Maintenance Visible –

Crew use handover books, notebooks, and whiteboards

- Service performed during the last shift
- Supplies that need to be ordered

The whiteboard has pertinent information for any operations that are happening aside from the ordinary.

- Alert to an open hatch
- Status of the fuel valve
- If a piece of equipment is down

DUMP SCOW MAINTENANCE						
DATE:	GREASED		2 HR PSI CHECK		FUEL/OIL	BARGE
	TIME	INT.	TIME	INT.	ADDED	
8-13	11:35	VC	8:30am	VC		Swan Island
			9:15am	VC		
			11:40am	VC		
			2:15pm	VC		
			16:15	JR		
			18:00	JR		
			20:15	JR		
			21:35	JR		
			21:00	JR		
			01:30	JR		
8-14	07:00		05:00	VC		
			08:00	VC		
			09:20	VC		
			12:00	VC		
			13:45	VC		
			15:20	JR		
			17:00	JR		
			18:10	JR		
			20:10	JR		
			21:30	JR		
			22:30	JR		
			01:00	JR		
			01:50	JR		
			03:00	VC		
			08:30	VC		
			08:10	VC		
			10:15	VC		
			13:00	VC		
			14:00	VC		
			15:00	JR		
			17:50	JR		
			18:30	JR		
			20:00	JR		
			22:00	JR		
			03:30	JR		
			07:40	JR		
			05:15	VC		





## Water Rescue Mannequin Crew Training

While dredging on the Southern Oregon Coast surrounded by Salmon fishermen, the training was used to pull a fisherman out of the water.



## Safety Commitment Statement

All Project Team Members are committed to an **Incident and Injury Free (IIF) work environment**, in which we return safely to our families. In this work environment:

- We care for each other and treat each other with respect and dignity through open and honest communication.
- We work safely because we want to rather than because we feel we have to.
- We always seek out a safe course in performing our daily operations.
- We take visible and proactive responsibility for our safety and our co-workers' safety, and we will not accept unsafe actions from ourselves or others.
- We stop unsafe actions without fear of repercussion.
- We elevate safety issues that can't be resolved on our own or with our immediate supervisor to a member of the Safety Leadership Team.
- We continuously develop, improve, and use tools and resources to keep ourselves and one another safe.
- We require all vendors and subcontractors to participate in GLDD's IIF work environment.
- We raise safety awareness as a part of our everyday life at work and at home.

**“Excellence is the Expectation.”**

*(The page is filled with numerous handwritten signatures in various colors, including blue, black, and red ink, surrounding the central quote.)*

We, **GLDD Project & Site Managers**, commit to instilling and leading a **POSITIVE PROJECT MANAGEMENT CULTURE** across all GLDD project sites that encompasses all aspects of our site operations.

- 1 **We will** treat all team members and stakeholders with dignity, respect, and professionalism, and will conduct all of our activities in accordance with Great Lakes' high ethical and business practice standards. *(Signature: Meyer Place)*
- 2 **We will** accentuate and recognize the positive. We will strive to catch people doing things right across the entire project team and will praise their positive actions. We will mentor, correct, and coach negative actions. *(Signature: Brad Allen)*
- 3 **We will** partner with our clients, strive to meet all budget, time, and quality expectations, and perform all work in accordance with the contract requirements, plans, and specifications. *(Signature: X. Hilgley)*
- 4 **We will** protect the environment and adhere to all laws and regulations. *(Signature: Kin E. Holt)*
- 5 **We will** hold ourselves and all of our colleagues accountable for safety in accordance with our SALT Rules and Life Saving Absolutes. We will fully utilize all the safety tools at our disposal:
  - IIF Launch Meetings
  - JSAs
  - Near Miss, Good Catch, JSA Audit, Predictive Solutions, Daily Safety Reports, ESFs
  - Stop Work Authority
  - MCIAs*(Signature: Christopher Faught)*
- 6 **We will**, at the beginning of every project, align on our initial project goals, objectives, and planning with our entire team and all stakeholders. Site Management will:
  - Participate in a detailed and comprehensive Handover Meeting with the Oak Brook bidding team.
  - Convene an initial Project Execution Meeting with the site team prior to commencement of operations.
  - Ensure an IIF Launch Meeting is held with our site team, crew, client, and stakeholders.*(Signature: H. K. Harty)*
- 7 **We will**, during project execution, consistently communicate our short term and long term project planning to the entire site team, and will also timely communicate any changes in plan. We will utilize consistent tools to effectively communicate our planning:
  - Daily Site Conference Calls
  - Weekly Site Team Meetings
  - Updates via emails, texts, or face to face*(Signature: Matthew D. Budge)*
- 8 **We will** clearly define project roles and responsibilities for each member on our site teams and will strive to avoid duplicate responsibilities. We will encourage ideas and decision making participation from all of our team members, and will reach consensus solutions to achieve best results. We will appropriately delegate and prioritize work assignments and clearly communicate "need by" times. *(Signature: Manny A. Vainzoff)*
- 9 **We will** operate under a consistent daily schedule for our staff that minimizes excessive work hours and provides opportunities for personal and wellness time. We will ensure all staff and crew maintain a standard rotation schedule and only authorize work beyond the rotation period when critical. *(Signature: David J. Miller)*
- 10 **We will** ensure Reliability Assured Maintenance practices on all of our projects and strive to improve dredge reliability. We will:
  - Ensure full understanding and utilization of the Maintenance Operating System (MOS) in project planning and execution.
  - Manage downtime efficiently and effectively.
  - Organize and lead effective RAM Conference Calls.
  - Conduct Reportable Incident MCIAs.
  - Effectively implement our RAM Project Package Delivery System.
  - Communicate our Dredge Reliability Incident Rates (RIR) in weekly reporting and in

PROJECT MANAGEMENT SAFETY LEADERSHIP TEAM  
**SPRING 2021 SAFETY CHALLENGE**

*"IT'S BETTER THAN WHEN WE ARRIVED.  
IMPROVE: ENVIRONMENT, SAFETY, & EXECUTION"*

**MARCH 15<sup>TH</sup>**  
to  
**JUNE 15<sup>TH</sup>**

## **TEAMS**

HQ HOUSTON - PARKVIEW  
REGIONAL OFFICES – NY, FL & TX  
MAYPORT  
JAX CONTRACT C DEEPENING  
BOSTON HARBOR ROCK REMOVAL  
CHARLESTON II, IV & V  
PASS-A-LOUTRE  
FREEPORT CHANNEL  
ALASKA DRY DOCKING  
OAK ISLAND  
TEXAS DRY DOCKING  
EMERALD ISLE  
BREVARD COUNTY  
FORT PIERCE  
CAMINADA HEADLANDS  
SOUTH ATLANTIC REGIONAL HOPPER  
YAZOO CHANNEL IMPROVEMENTS

## **SAFETY INITIATIVES**

- ✓ SALT@WORK TOOLBOX MEETINGS
- ✓ MAN OVERBOARD TRAINING AND AWARENESS
- ✓ RAM RECORDABLE INCIDENT RATE REVIEWS
- ✓ 30 MINUTE WELLNESS CIRCUITS
- ✓ PROJECT EXECUTION MODEL TRAINING
- ✓ COVID-19 VACCINE PLANNING & EXECUTION
- ✓ AUTHORIZED AND QUALIFIED TRAINING

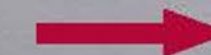
## **SAFE WORK TOOLS**

- ✓ S.A.L.T. SECOND EDITION
- ✓ JOB SAFETY ANALYSIS
- ✓ STOP WORK AUTHORITY
- ✓ SAFETY MANAGEMENT SYSTEM
- ✓ S.H.A.K.E. – HAND SAFETY
- ✓ RELIABILITY ASSURED MAINTENANCE (RAM)
- ✓ POSITIVE PROJECT MANAGEMENT



**PRIZES  
INCLUDE  
THIS GLDD  
MUG!**

**MORE  
ON  
NEXT  
PAGE**



Innovative  
Safety  
Improvement  
Strategy

Fall & Spring  
Safety  
Challenges



**Many thanks for joining  
us and have a great  
conference!**