

## **ODU's 3<sup>rd</sup> Annual Maritime Conference:**

Offshore wind and adjacent opportunities

3.25.2025



odu.edu/maritime

Agenda				
9:00 - 9:15AM	<b>Welcome Remarks:</b> Elspeth McMahon, AVP for Maritime Initiatives; Dr. Barbara Blake, Executive Director, Monarch Internship and Co-Op Office			
9:15 - 9:45AM	US Offshore Wind Market Update: Julia Gerringer, Regional Policy Director, Oceantic Network			
9:45 - 10:30AM	Panel I: Training and Recruitment A look at who is training and hiring for Offshore Wind in Hampton Roads			
10:30 - 11:00AM	Break and Networking, Exhibitor Tables Open			
11:00 - 11:45AM	Panel II: Charting Careers in Offshore Wind, Employee Journeys and Experiences			
11:45 - 12:00PM	Digital Ship Challenge 2025 Student Awards Jennifer Renne, Russell Czack, Virginia Digital Maritime Center			
12:00 - 1:00PM	Luncheon Keynote Speaker Introduction by Will Fediw, Senior VP, Virginia Maritime Association Keynote Patrick Shim, Managing Director, LS Cable & System Ltd.			
1:00 - 1:30PM	From Adrift to Aware: Risk analysis simulation for OSW, Prof. Van Driessche, Antwerp Maritime Academy			
1:30 - 2:00PM	Legislative Update: Delegate Michael Feggans			
2:00 - 2:45PM	Panel III: Employer Perspective, What Skills Are Most Needed in the OSW Workforce?			
2:45 - 3:15PM	Break and Networking, Exhibitor Tables Open			
3:15 - 4:00PM	Panel IV: Technology Innovation in OSW, ODU			
4:00 - 4:45PM	Panel V: Agile Evolution, Embracing Maritime's Adjacent Opportunity			
4:45 - 5:45PM	Sponsored Networking Hour			

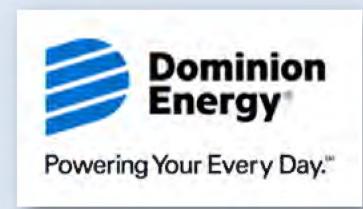
### **Speaker Biographies:**







### Thank you to our valued conference partners!



















### Thank you to our CO-PIs











### **Maritime Initiatives Update**

- MARAD COE
- ODU Student Propeller Club
- School of Supply Chain, Logistics, and Maritime Operations
- MEESA
- HII-NNS
- DoL Apprenticeship Building America Grant, HRWC

#### **Upcoming Events**

Oceantic Network's IPF25 April 28-May 1st, VB

HRGCC State of the Port May 7-8th, VB

Nauticus Maritime Careers Day May 18th, Norfolk

National Maritime Day, Port of Norfolk Propeller Club, May 22nd

VMA 25 International Trade Symposium October 14-16, Norfolk



### ODU Invests in the Success of the Future Workforce

Established in Summer 2023, The new Monarch Internship & Co-Op Office serves as the hub for work-based learning at Old Dominion University.

#### We Offer

- Internship Opportunities
- Resources for Businesses and ODU Departments
- Engaging Events

### Our 2027 Strategic Goal

100% of ODU students will participate in an internship or work-based learning experience before graduation (Old Dominion University 2023-2028 Strategic Plan)

#### Contact Us!

- (757) 683-JOBS (5827)
- internship@odu.edu
- odu.edu/internship
- Monarch Internship & Co-Op Office 1000 Webb Center 1301 W 49th Street Norfolk, VA 23529
- Monarch Humanities Internship Academy 1526 Webb Center 1301 W 49th Street Norfolk, VA 23529



# 09:15-09:45am US Offshore Wind Market Update





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### **OUR VISION**

A thriving offshore energy industry powering strong economies.

### **OUR MISSION**

Our collaborative network advances the offshore renewable energy market and builds a robust supply chain of local companies.





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### **U.S. OSW Structure**



### **STATES**

Request call areas, enact policy that drives the market, enforce state and local regulations

### U.S. BOEM / U.S. BSEE

Siting, leasing, permitting and approval of plans, regulate OSW projects

### PRIVATE DEVELOPERS / LEASEES

Acquire lease rights and develop projects



**116.8**GW

STATE GOALS/TARGETS

**PATHWAY TO OFFTAKE** 

48.2GW 15.2GW



Source: Oceantic Network Market Dashboard

#### **U.S. SUPPLY CHAIN MILESTONES IN 2023**



Installation begins on first two projects out of upgraded ports in Massachusetts and Connecticut



First U.S.-constructed offshore substation manufactured in Texas



First U.S.-manufactured export cables for U.S. projects are made in South Carolina



First U.S.-constructed Service **Operations Vessel** reaches halfway point in Louisiana

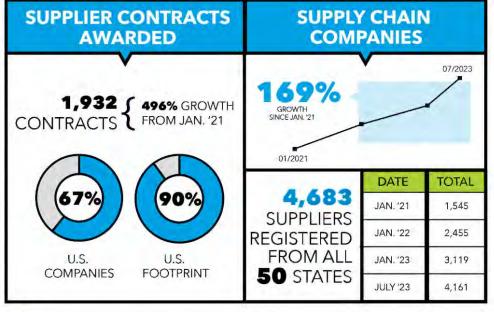


Rhode Island's ProvPort finishes manufacturing first run of steel foundation components



First U.S.-assembled monopile foundation completed in New Jersey





UNDER CONTRACT

VESSELS

OSW VESSELS BUILT OR RETROFIT IN U.S. YARDS DOUBLED SINCE 2021

IN TOTAL: 7 SOVS, 5 TUG & BARGES, 1 WTIV, 1 FALLPIPE LOCAL EAST & GULF COAST YARDS BUILDING 28 CTVS



### **U.S. OFFSHORE WIND**

### PROCUREMENT GOALS BY STATE

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Source: Oceantic Network Market Dashboard



Planning Target	Mandated Target	
MW	MW	Year
25,000	-	-
2,304	2,304	2030
1,200	1,200	2050
5,000	-	=
3,000	3,000	2040
8,500	8,500	2031
23,000	5,600	2027
11,000	11,000	2040
20,000	9,000	2035
8,000	-	-
3,000	-	-
1,630	1,630	2030
5,200	5,200	2034
	Target  MW  25,000  2,304  1,200  5,000  3,000  8,500  23,000  11,000  20,000  8,000  3,000  1,630	MW         MW           25,000         -           2,304         2,304           1,200         1,200           5,000         -           3,000         3,000           8,500         8,500           23,000         5,600           11,000         11,000           20,000         9,000           8,000         -           3,000         -           1,630         1,630

Total 116,834 47,434

Projects Completed 1 Project at 132 MW
Projects Installing 3 Projects at 4,091 MW
Projects Beginning Installation in 2025 2 Projects at 1,734 MW
Federally Permitted to Install & Operate 19,000 MW

U.S. Market Status Heading Into 2025 State Offshore Wind Demand 116 GW

Offtake Secured 15 GW - 19 GW

Areas Leased 60+ GW

Tax Policy 10-Year Credits

Supply Chain Investments \$25.5 Billion

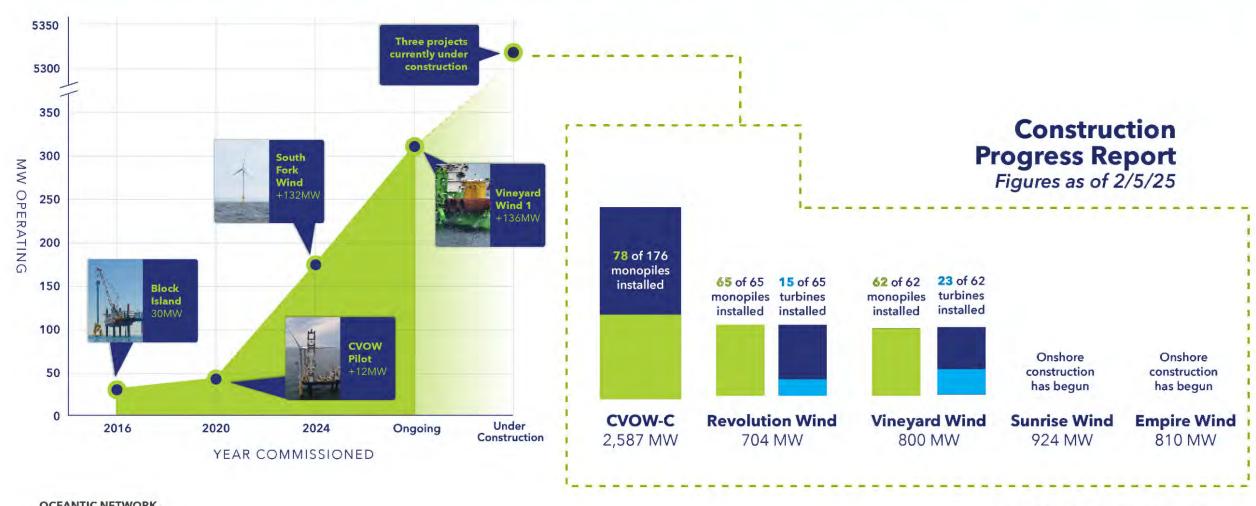
Vessels Launched 36

Vessels Ordered 21

Operating Ports in Use 10+



### **U.S. Offshore Wind Power Generation Connected to the Grid**



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# THE PATH FORWARD

#### **OPERATING**

- 1 Block Island Wind Farm (Ørsted) [30 MW]
- 2 South Fork Wind Farm (Ørsted / GIP) [132 MW]
- 3 Coastal Virginia OSW Pilot (Dominion Energy) [12 MW]

Total Operating: 310 MW

### UNDER CONSTRUCTION

- Revolution Wind
  (Ørsted / GIP) [704 MW]
- 5 Vineyard Wind 1 (CIP / Avangrid) [800 MW]
- 6 Coastal Virginia OSW Commercial (Dominion Energy / Stonepeak) [2,587 MW]

Total Under Construction: 4,091 MW

#### PERMITTED

- 7 Sunrise Wind (Ørsted) [924 MW]
- 8 New England Wind (Avangrid) [791 MW]
- Empire Wind 1 (Equinor) [810 MW]
- **Atlantic Shores South** (EDF)
- Ocean Wind 1
  (Ørsted)
- Maryland Offshore Wind (US Wind) [1,710 MW]
- (Ocean Winds) [1,287 MW]



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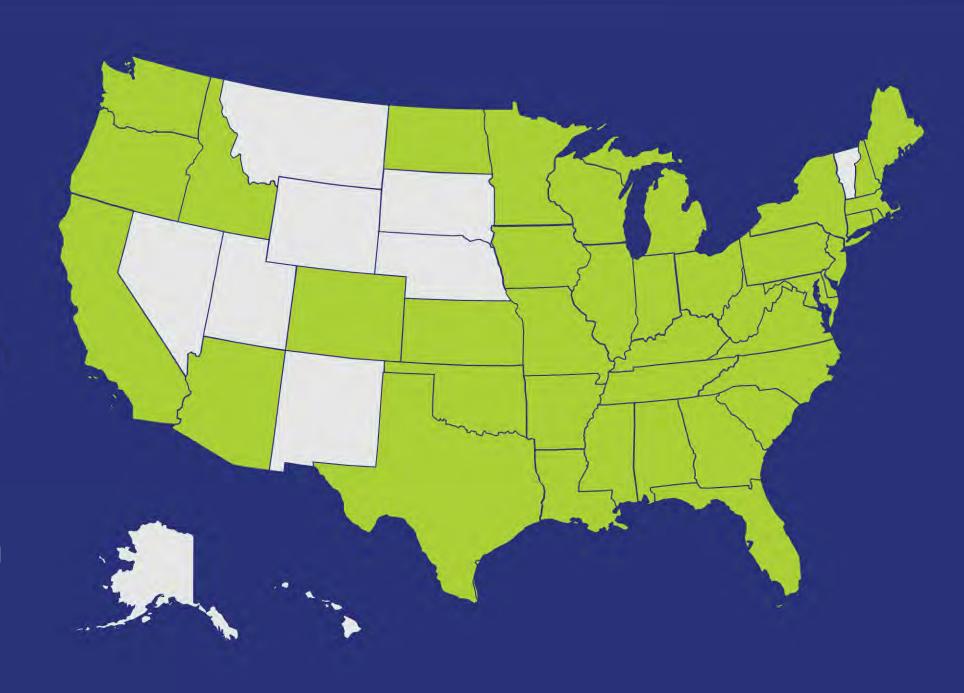




# National U.S. Offshore Wind Supply Chain

Source: Oceantic Network Market Dashboard

## **Contracts in 40 states**



### **Supply Chain Levels**

**DEVELOPER** 

**TIER 1 SUPPLIER** 

**TIER 2 SUPPLIER** 

**TIER 3 SUPPLIER** 

### Cascading Effect in Supply Chain

TIER 1

TIER 2

TIER 3

#### **Main Packages**

Foundation supplier

WTG supplier

ESP supplier

Cable suppliers

Installation contractors

#### **Examples**

Secondary steel fabrication

Tower manufacturing

Electrical components

Cable protection

Crane suppliers

#### **Examples**

Maritime and port services

Tools, fuel, supplies

Support vessels

Training and engineering

Support services



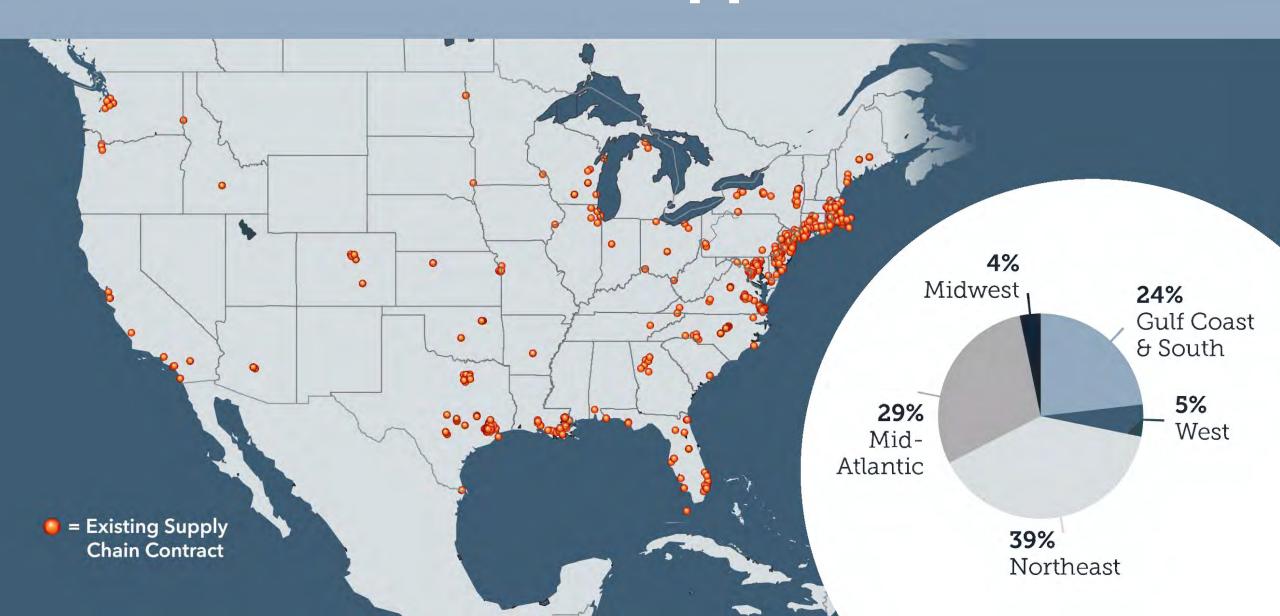
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### **U.S. Offshore Wind Supplier Contracts**



### **Substations**

- 1. Offshore Substations
- 2. Onshore Substations





Source: Baltic Power







### **Cables**





Source: LS Cables

Source: JDR Cables

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### **+ 8000 Secondary Components**



Source: Riggs Distler



Source: Oceantic Network



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# U.S. OFFSHORE WIND PORTS

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Source: Oceantic Network Market Dashboard

- 1 COEYMANS (Manufacturing)
- 2 PORT OF PROVIDENCE (Construction, Manufacturing)
- 3 BRAYTON POINT (Staging & Manufacturing)
- 4 NEW BEDFORD (Staging and O&M)
- 6 QUONSET POINT (Construction and O&M)
- 6 NEW LONDON STATE PIER
  (Staging/Pre-Assembly & Construction/Installation)
- 7 BRIDGEPORT (Fabrication, Staging, O&M)
- 8 PORT JEFFERSON (O&M)
- SOUTH BROOKLYN MARINE TERMINAL, BROOKLYN NAVY YARD & RAVENSWOOD (O&M, Staging)
- 10 ARTHUR KILLS & ROSSVILLE
- 11 PAULSBORO (Manufacturing)
- 12 ATLANTIC CITY (O&M)

- NEW JERSEY WIND PORT (Staging & Manufacturing)
- 4 TRADEPOINT ATLANTIC (Staging & Manufacturing)
- 15 NORFOLK/LAMBERT'S POINT (Staging)
- 16 PORTSMOUTH (Staging & Manufacturing)
- 17 CHARLESTON, SC (Cables)
- 18 TISBURY (O&M)
- 19 PORT OF ALBANY (Manufacturing)
- 20 SALEM (Assembly & Staging)
- 21 OCEAN CITY (O&M)
- 22 PORT OF HUMBOLT BAY (Assembly & Staging)
- 23 LONG BEACH, CA (Manufacturing & Staging)
- 24 PORT FOURCHON, LA (Manufacturing & Staging)
- 25 SEARS ISLAND, ME (Assembly & Staging)

### **U.S. Vessel Needs for Offshore Wind**

	Needed	Built/ Retrofitted	Announced/ In Production
Crew Transfer Vessel (CTV)	58	32	1
Wind Turbine Installation Vessel (WTIV)	5	0	1
Service Operation Vessel (SOV)	11	6	0
Cable Lay Vessel (CLV)	4	0	1
Scour Protection Installation Vessel (SPIV)	2	0	1



Charybdis - WTIV Source: Seatrium

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### Recent **Supply Chain Investments & Vessels Launched**

Source: Oceantic Network Market Dashboard

**Cape Cod Solution Phase 1** \$13.7M Investment **South Brooklyn Marine Terminal** Groundbreaking for \$861 million project **EEW Monopile Facility** \$164 million for ОН plant expansion Hellenic Cables' Baltimore Facility \$300 million (\$58M from DOE) LS Greenlink's (Cables) Chesapeake Facility \$681 million (\$99m from DOE, \$13.2 from state) JSW Steel's Mingo Junction Facility \$43.5M Federal Tax Credit Awarded WINDEA Enterprise Launch Crew Transfer Vessel **IN 2024** Atlantic Resolute Launch Crew Transfer Vessel INVESTMENTS BY CATEGORY **ECO Edison Launch** Service Operations Vessel Ports - \$2.2B Vessels - <\$10M</li>

### JSW Steel's **Bayton Facility**

LA

\$110M Investment .

**US Forged Rings Tower Fabrication and Steel Forging Facility** \$700 million, Location TBD

#### **AOS Generator Launch** Crew Transfer Vessel



#### **WINDEA Ranger Launch** Crew Transfer Vessel



### \$10B INVESTED

- Transmission \$5.8B
- Supply Chain \$1.7B
- Research \$111M
- Workforce \$136M

### **Hampton Roads and Virginia Beach Supply Chain Investments**

\$1.75 Billion in total supply chain investment into VA



- Fairwinds Landing
  - \$500 million
  - 500 jobs

- Portsmouth Marine Terminal (Portsmouth)
  - \$300 million
  - 600 jobs

- Lyon Shipyard Expansion (Norfolk)
  - \$8.5 million
  - 134 jobs
- LS Greenlink HVDC Facility Initial Investment (Chesapeake)
  - \$681 million
  - 330 jobs

- Fugro Expansion (Norfolk)
  - 15 jobs



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### **Executive Memorandum**

### Section 1: Temporary Withdrawal of Leasing

- No New Leasing: withdraw "all areas within the Offshore Continental Shelf (OCS)" from future/new leasing
- Review: Nothing in this withdrawal affects rights under existing leases in the withdrawn areas...but DOI "shall conduct a comprehensive review of the ecological, economic, and environmental necessity of terminating or amending any existing wind energy leases"

### Section 2: Temporary Cessation of Permitting

- No New Permit Approvals: "shall not issue new or renewed approvals, rights of way, permits, leases, or loans for onshore or offshore wind projects pending the completion of a comprehensive assessment and review of Federal wind leasing and permitting practices."
- Comprehensive Assessment conducted by Interior (lead), Treasury, Agriculture,
   Commerce through NOAA, Energy, and EPA



### Statest Co Atfahae Wirdu Papoittita Eipalchastry

Projects Conducting Offshore Installation or Operation Continue

(4 Projects - 4,339 MW)

Revolution Wind, CVOW, South Fork, Vineyard Wind 1)

Projects with COP Approvals Could/May Advance (8 Projects 13 127 MW) approving \$475 million for offshore

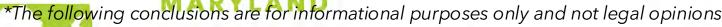
- LegialaAdebiejojpymePaspiiaBrilgoficep,oFtR/FDR or "othlea"stpectnits, likedt \$35 isalbo/plorts
- shared transmission infrastructure
   Individual Developers will seek internal legal determinations upgrades
- o Empire Wind I and Sunrise scheduled to begin this spring

Projects with NOIs in Environmental Review Process Stalled

(5 Projects - 10,15/5tells/a)pproved Amendment 1, which

allocates funds from offshore wind lease
More legal ambiguity - NEPA requires 2-year timeline
revenue to coastal wetland restoration

Projects with Site Control Likely Cannot Begin EIS Process during permitting freeze (20+ Projects - ~30,000 MW)



Public Utility Board agrees new procurement agreement for expanded 1,710 MW US Wind project with steel and cable plant investments

### **MASSACHUSETTS**

The state legislature passed a bill allowing the state to negotiate procurement contracts of **up to 30 years** 

MA Governor signed the "Mass Leads
 Act" which allocates \$400 million to
 advance the offshore wind supply chain

Joint 2,078 MW Procurement Award

#### RHODE ISLAND

- Voters passed state bond initiatives, including \$15 million to upgrade the
   Port of Davisville for offshore wind O&M
  - The federal DOT added \$11.2 million





### **Latest on State Procurement**



#### **NE COLLABORATIVE**

#### Joint 2,078 MW procurement award

- 200 for RI & 1,878 for MA (Avangrid & Ocean Winds)
- Support for New Bedford and Salem ports and New Bedford manufacturing
- Vineyard Wind 2 pulls out w/out CT



#### New York - NY5

#### **Still Ongoing**

Attentive pulled out but still ~4,100
 MW in bids from 3 projects



### New Jersey - NJ4

#### **Stalled**

- Canceled after 2 projects pulled out (Attentive and RWE, who both said they were pausing in November)
- Atlantic Shores remaining bidder
- NJEDA looking for other uses at Wind Port



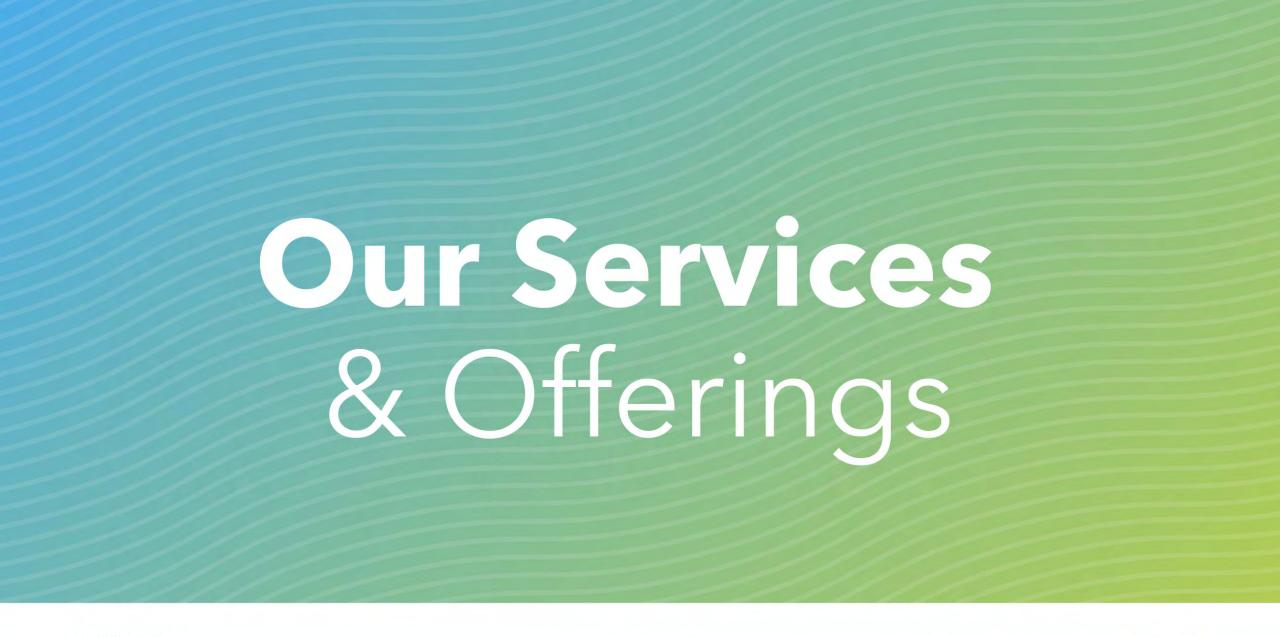
#### **MARYLAND**

### US Wind gained Skipjack's ORECs, new contract for 1,710 MW

 Support for Sparrow's Point Steel and Hellenic Cables factory







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### **GET STARTED**

ACCESS THE OFFSHORE WIND SUPPLY CHAIN

OFFSHORE WIND

### SupplyChainConnect

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OFFSHORE WIND

## StateConnect OCEANTIC.ORG

OFFSHORE WIND

## **Direct**Connect

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## Offshore Energy at Work







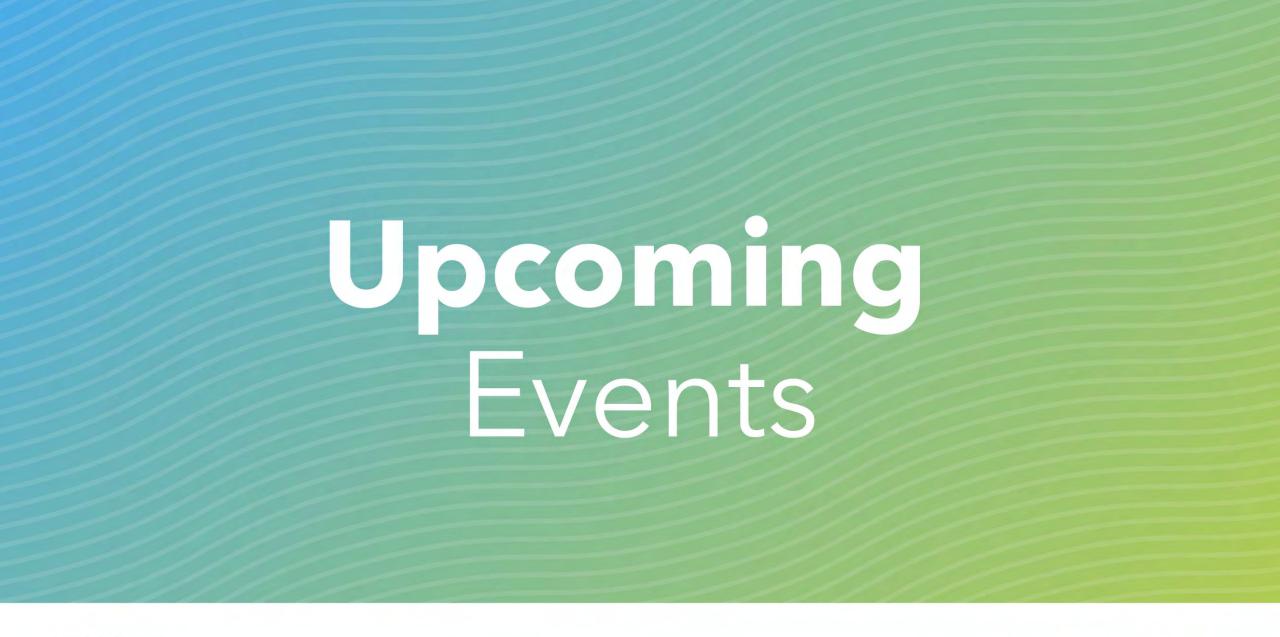
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## JULIA GERRINGER

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OCEANTIC NETWORK

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## 09:45-10:30am Panel |: Training and Recruitment

A look at who is training and hiring for Offshore Wind in Hampton Roads

Panel Moderator: Jackie Rondeau, Director of Employer Engagement Maritime, Hampton Roads Workforce Council
Dr. Joel English, President Emeritus of Centura College
Laura W. Hanson, J.D., Associate Vice President, Workforce Solutions, Tidewater Community
College

Travis Couch, Operations Manager, SGRE Offshore Wind Adam Cross, Site Manager, SGRE Offshore Service James P. Spear, Training Director, SUNY Maritime College

# 11:00-11:45am Panel II: Charting Careers in OSW Employee Journeys and Experiences



#### 11:45-12:00pm Virginia Digital Maritime Center's

#### Digital Ship Challenge 2025 Student Winners



#### **Advanced Technology Center in Virginia Beach**

- Reilly Auld
- Tyson Fisher
- Harrison Perkins
- Jack Canedy
- Advisor: Jim Reich





#### **VDMC** Representatives

Jennifer Renne and Russell Czack

Partner Organizations
Fairlead Integrated
Hampton Roads Workforce Council
MI Technical Solutions
Newport News Shipbuilding
QED Systems Inc.
PITSCO Education
Supervisor of Shipbuilding
Tridentis
USN Military Sealift Command
Virginia Maritime Association
Virginia Ship Repair Association

## 12:00-1:00pm Luncheon Keynote Speaker

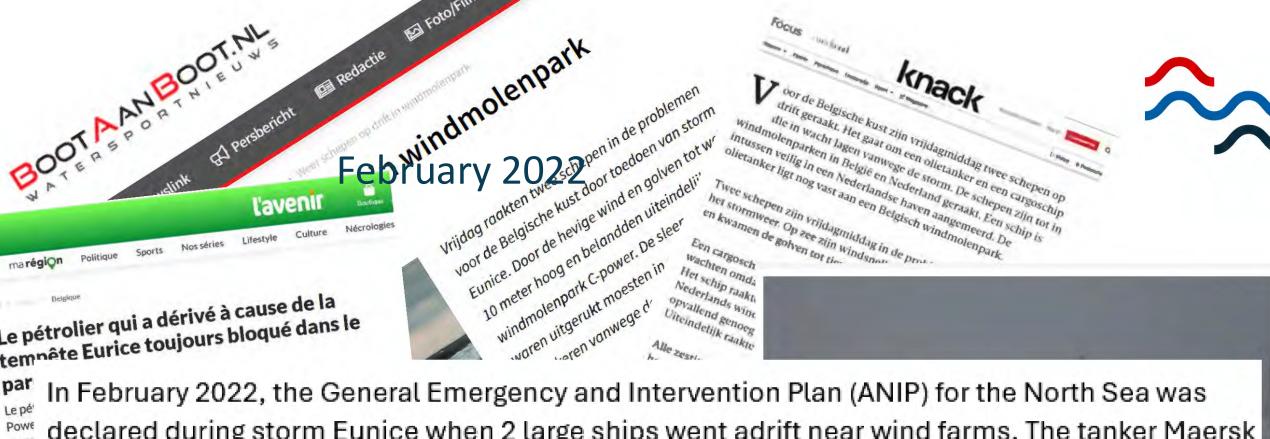
(12-1230 lunch)

Introduction by Will Fediw
Keynote: Patrick Y. Shim
Managing Director, LS Cable & System Ltd

## From Adrift to Aware: Risk analysis simulation for OSW

Veerle Van Driessche





declared during storm Eunice when 2 large ships went adrift near wind farms. The tanker Maersk Nimbus - with 30,000 tons of flammable cargo on board - came to a halt just 50 meters from a

wind turbine.



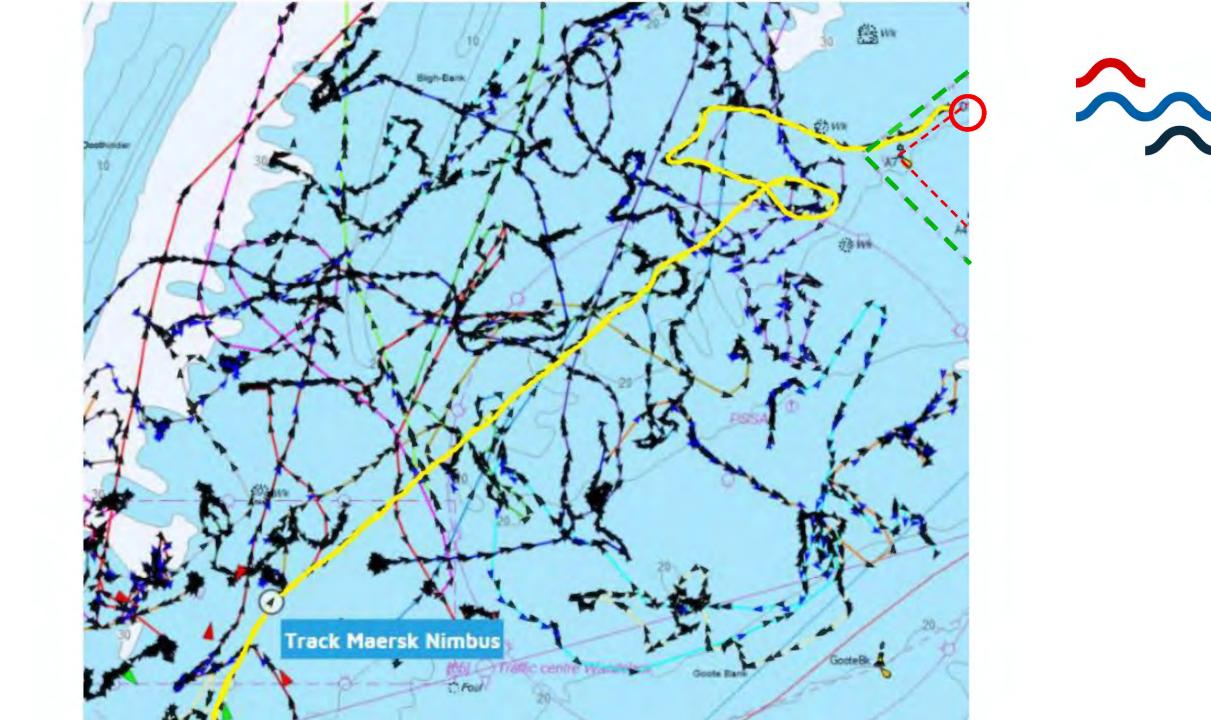
Webcambeelden tonen hoe storm Eunice tekeergaat in Zeebrugge. © RV/Surfclub Icarus

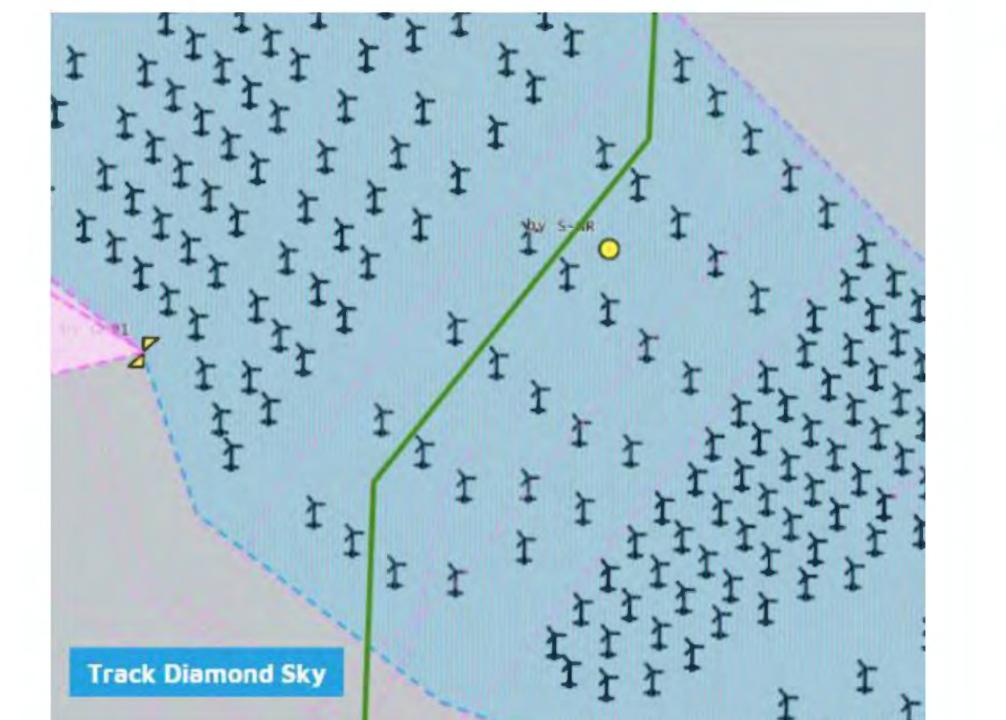
#### Twee schepen in moeilijkheden voor onze kust door stormweer

Voor onze kust zijn vrijdag twee schepen in moeilijkheden geraakt door storm Eunice. Ze raakten op drift en moesten door sleepboten naar een haven gebracht worden. Dat meldt VTM NIEUWS.

### What happened?











#### Two maritime programs

## **^**∧

#### **Nautical Sciences**

- → Academic Bachelor / 3 years
- → Master / 1 year

#### **Marine Engineering**

- → Academic Bachelor / 3 years
- → Master / 1 year

#### Two careers for both programs

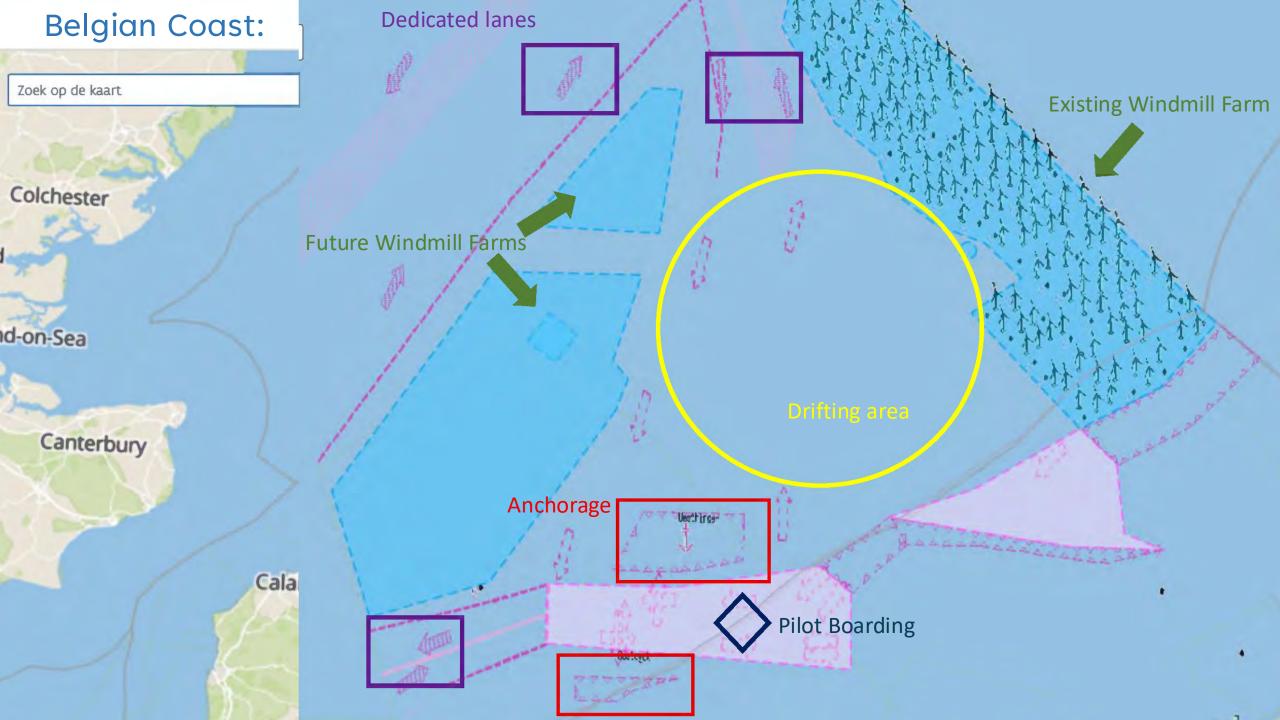
#### Career at sea

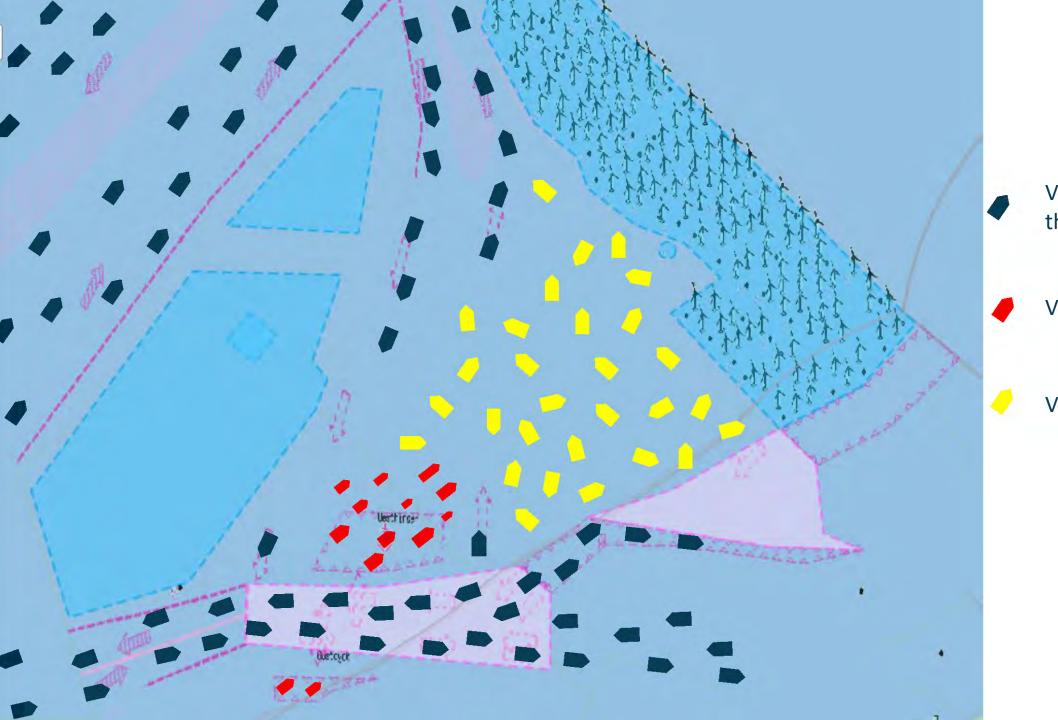
- → App/3rd/2nd/1st officer
  - → Captain
- → App/4th/3rd/2nd Engineer
  - → Chief Engineer

#### **Career ashore**

- → shipping and harbour companies, supply companies
- public service (sea/harbour pilots, harbour captain
- maritime education and training
- → insurance and classification companies









Vessels sailing through the area

Vessels at anchor

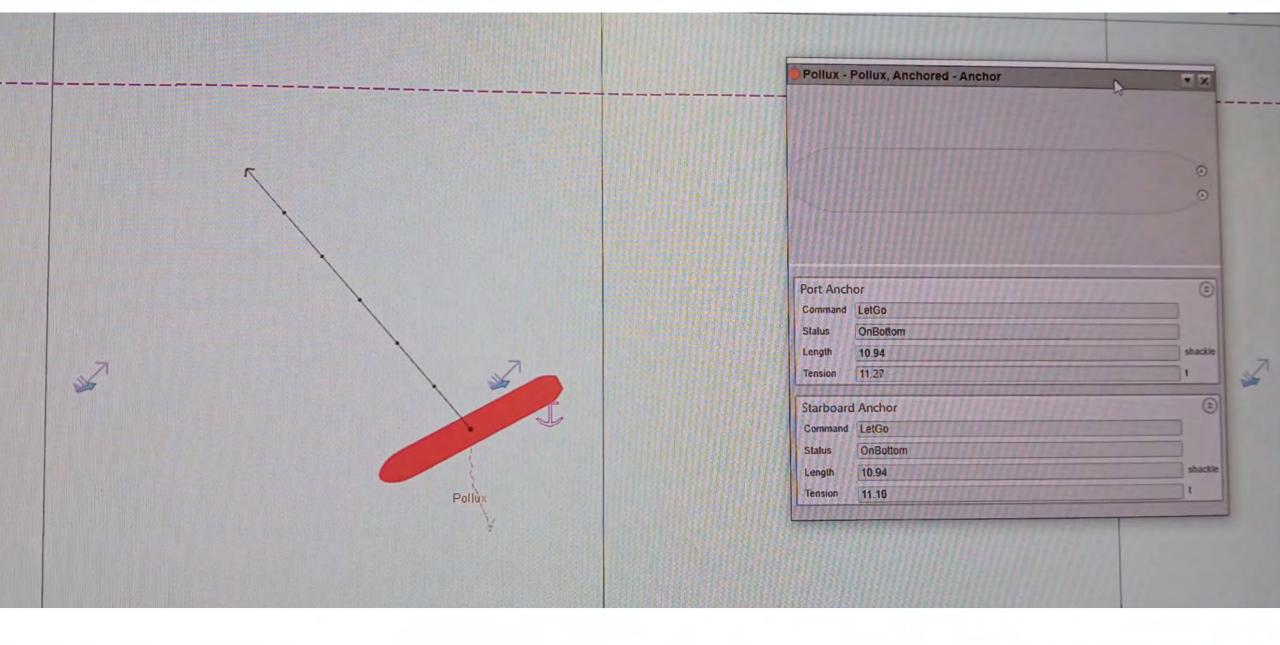
Vessels drifting

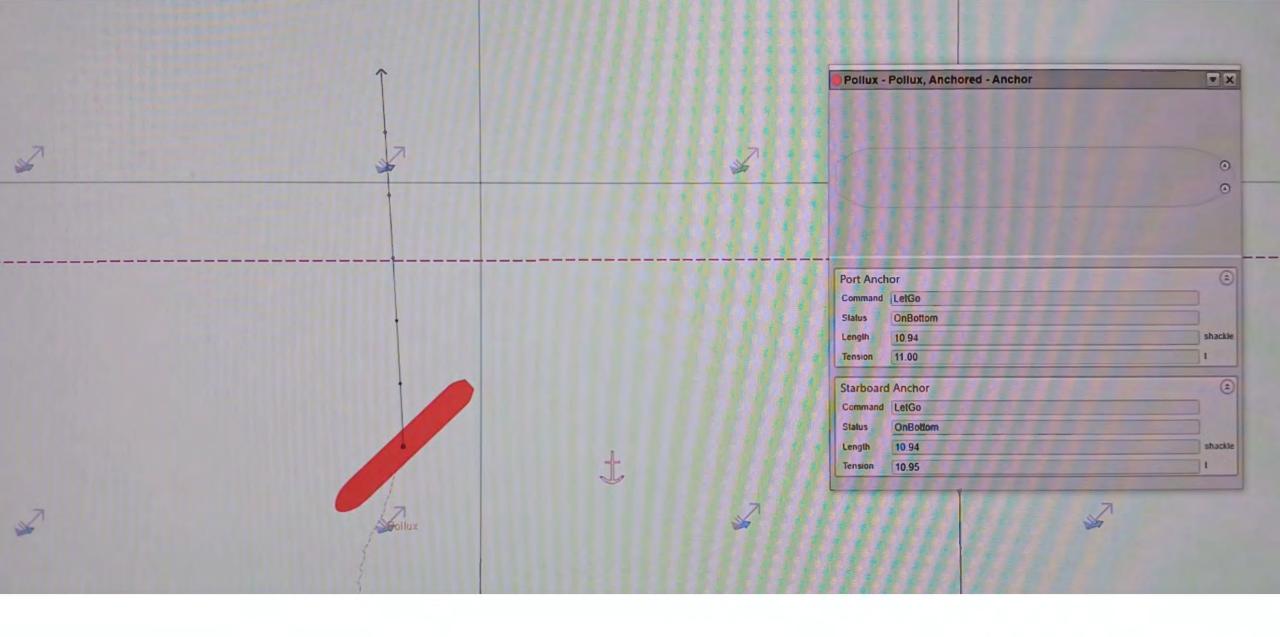
Feb 2022

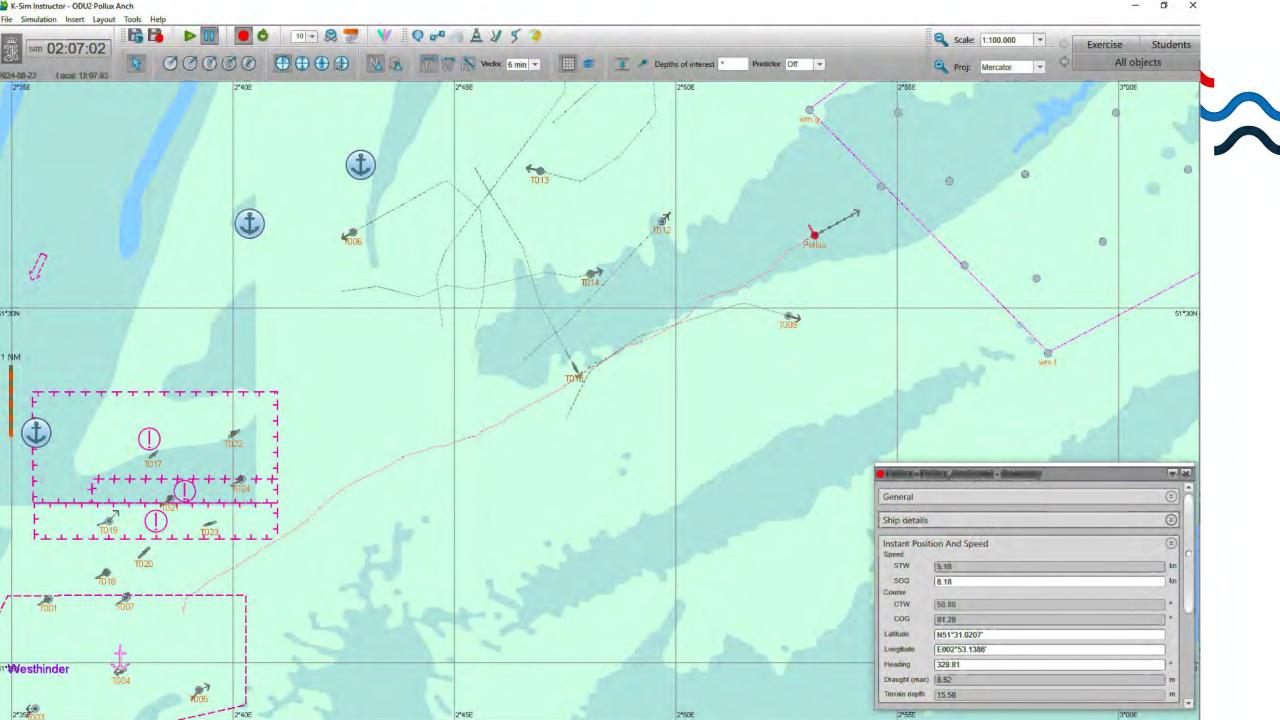


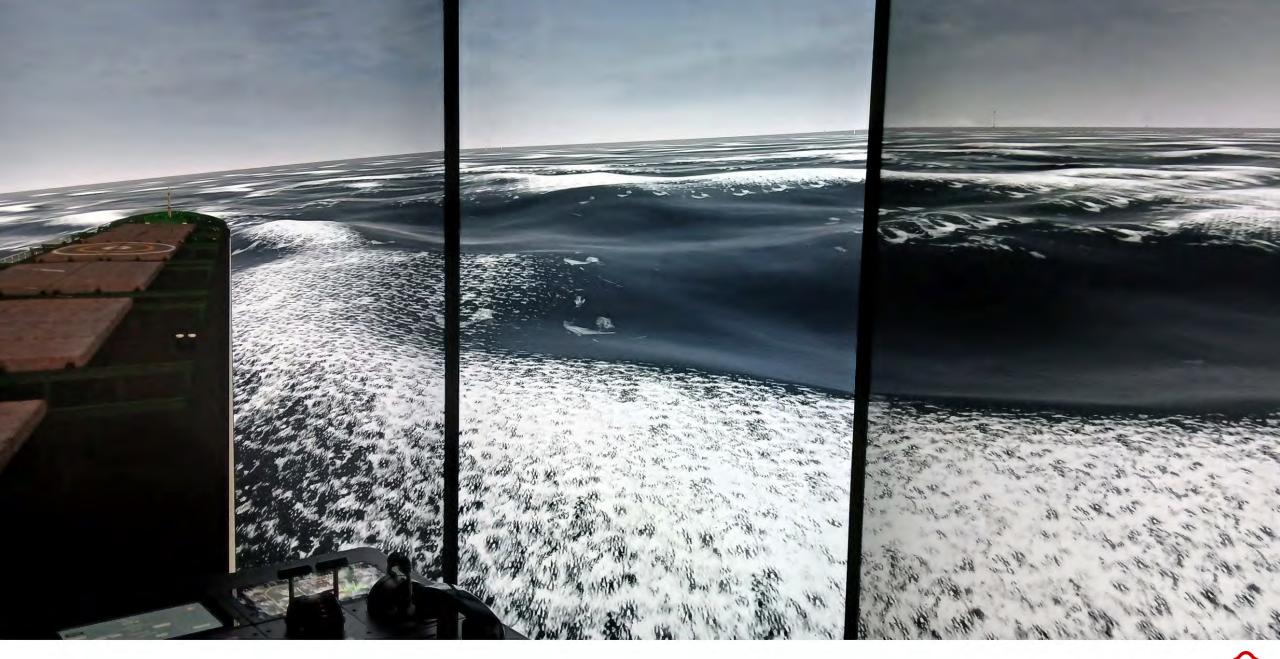










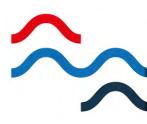


#### Possible mitigating measures



- VTS = Vessel Traffic Services
- ERTV = Emergency Response Towing Vessel
- Reducing the occupancy of anchorage and drifting area in extreme weather
  - ❖just in time arrival
  - drift patterns
  - dedicated anchorages
  - study into max capacity of anchorage and drift areas

#### Possible mitigating measures



- Early warning system
  - Contact ships with suspicious behavior (both on safety and security level)
- Aids to Navigation
  - strategic placement of buoys
- Remote pilot assistance
- Physical protection of offshore infrastructure





veerle.van.driessche@hzs.be

**Head Instructor Navigation Simulator** 



Delegate
Michael
Feggans
(HD-97 Virginia Beach)

2025 Offshore Wind & Maritime Legislative Update

#### **Delegate Michael Feggans Bio:**

- •Retired U.S. Air Force Master Sergeant with over 20 years of service
- •Experience in military healthcare operations, cybersecurity, and IT
- •Elected in 2023 Represents District 97 in Virginia Beach, serving over 80,000 residents
- •Serves on the Public Safety, Transportation, and Labor and Commerce committees



#### New College Institute for Offshore Wind Consultant:

Delegate Feggans served as a consultant with the New College Institute, where he briefed military personnel at various installations on the career opportunities within the Offshore Wind Industry.

The cutting-edge workforce training programs at NCI are designed to equip individuals with the skills and certifications necessary to excel in high-demand industries, including specialized instruction for careers in renewable energy through Wind Industry Trainings.



#### **Maritime and Offshore Wind Bills**

(HB2697) Delegate Marty Martinez: Electrical facilities that generate electricity from wind; requirements for permitting, etc.

Electrical facilities that generate electricity from wind; requirements for permitting; impact on U.S. military and national security. Requires, for the issuance of a permit by rule by the Department of Environmental Quality for a small renewable energy project that generates electricity solely from wind, that either (i) the U.S. Secretary of Defense has determined that the project does not have an adverse impact on military operations and readiness or pose an unacceptable risk to the national security of the United States or (ii) the applicant has agreed to take measures acceptable to the U.S. Department of Defense to sufficiently mitigate any adverse impact on military operations and readiness or unacceptable risk to the national security of the United States.

The bill also provides that, for the purposes of the State Corporation Commission permitting the construction and operation of electrical generating facilities, an electrical facility that generates electricity from wind is considered contrary to the public interest unless (a) the U.S. Secretary of Defense has determined that the facility does not have an adverse impact on military operations and readiness or pose an unacceptable risk to the national security of the United States or (b) the utility has agreed to take measures acceptable to the U.S. Department of Defense to sufficiently mitigate any adverse impact on military operations and readiness or unacceptable risk to the national security of the United States.

Status of legislations: Failed

(SB578) Senator R. Creigh Deeds: Electric utilities; offshore wind generation facilities, competitive procurement process.

Electric utilities; offshore wind generation facilities; competitive procurement process; Department of Energy. Provides that the purchase by a public utility of energy, capacity, and environmental attributes from offshore wind generation facilities owned by persons other than a public utility and located off the Commonwealth's Atlantic shoreline or in federal waters and interconnected directly into the Commonwealth is in the public interest.

The bill states that, except for the Coastal Virginia Offshore Wind Project, the purchase or development of offshore wind facilities or the purchase by a public utility of energy, capacity, and environmental attributes from such facilities shall include a competitive procurement process held by the Department of Energy. The bill specifies that Dominion Energy Virginia may submit a bid but shall not participate in evaluating bids or making selections in such process.

Status of legislations: Failed

# **2025 Maritime and Offshore Wind Legislative Update**

(SB688) Senator David Suetterlein: Offshore wind capacity; development, prohibited cost recovery.

Development of offshore wind capacity; prohibited cost recovery.

Status of legislations: Failed

# **2025 Maritime and Offshore Wind Legislative Update**

(HB1616) Delegate Michael Feggans: Offshore Wind Industry Workforce Program and Fund; established, report, sunset Department of Energy; workforce development in offshore wind industry.

Directs the Director of the Department of Energy to identify and develop training resources to advance workforce development in the offshore wind industry in the Commonwealth.

Status of legislations: Governor's Veto

# **Budget Updates**

# Hampton Roads Skilled Trades Rapid On-ramp Network for Growth (STRONG) Initiative:

- •\$2,000,000 in the first year and \$2,000,000 in the second year from the general fund for economic development programming.
- •The Department will collaborate with the Hampton Roads Workforce Council to support career access and training in naval shipbuilding, offshore wind, and road/tunnel construction industries.

### Office of Offshore Wind:

- •\$387,500 in the first year and \$387,500 in the second year from the general fund to support the Office of Offshore Wind.
- •Responsibilities include coordinating state agency activities, reducing deployment barriers, attracting offshore wind supply chain businesses, promoting Virginia's infrastructure and workforce development assets, and supporting the Virginia Offshore Wind Development Authority.



### **Advanced Shipbuilding Production Facility Grant Fund:**

•\$8,000,000 in the first year from the general fund for grants to be paid in accordance with § 59.1-284.29, Code of Virginia.

### **Inland Port Development in Mount Rogers Planning District:**

- •\$2,500,000 in the second year from the general fund for the Virginia Port Authority to acquire, plan, design, and develop an inland port in the Mount Rogers Planning District.
- •The Virginia Port Authority and the Virginia Economic Development Partnership Authority will also develop a business recruitment strategy for the port and surrounding area.

# Service Charges for Localities Hosting Virginia Port Authority Facilities:

•\$1,000,000 in the first year and \$1,000,000 in the second year from the Commonwealth Transportation Fund to pay service charges to localities where the Virginia Port Authority owns taxexempt real estate for roadway maintenance.



# Port of Virginia Economic and Infrastructure Development Grant Fund:

•\$2,000,000 in the first year from the general fund, which may be deposited into the fund to provide grants to qualified companies in accordance with § 62.1-132.3:2, Code of Virginia.

### **Pilot Municipal Dredge Program:**

•\$7,500,000 in the first year from the general fund to fund a pilot program operated by the Middle Peninsula Chesapeake Bay Public Access Authority for dredging shovel-ready projects, distributed by the Virginia Port Authority.

### Dredging near the North End of Wallops Island:

∘ Up to \$8,000,000 in the first year from the Transportation Partnership Opportunity Fund to support dredging near the north end of Wallops Island, administered by the Virginia Port Authority.



**Shipyard Apprenticeship Program at Tidewater Community College:** 

o\$150,000 in the first year and \$150,000 in the second year from the general fund to support an apprenticeship program for Virginia's shipyard workers at Tidewater Community College.



# **2025 Maritime and Offshore Wind Legislative Update**

# **Open Discussion**

### 2025 Maritime and Offshore Wind Legislative Update

**Contact Delegate Michael Feggans** 

DELMFEGGANS@HOUSE.VIRGINIA.GO

V

District Number: (757) 204-1524 Richmond: (804) 698-1097

District Office 249 Central Park Avenue, Suite 300 Virginia Beach, Virginia 23462

Office Hours 9:00 AM to 5:00 PM Tuesday's & Thursday's

# 2:00 – 2:45pm Panel III: Employer Perspective What Skills are Most Needed in OSW Workforce?

Panel Moderator: Barbara Blake
Panelists: Mike Lundsgaard,
Aaron Katrancha, Tom Fulton

# 3:15-4:00pm Panel IV: Technology Innovation in OSW

Panel Moderator: Jerry Cronin
Panelists: Maryam Golbazi,
Safdar Bouk, Brian Boehm

# 4:00-4:45pm Panel V: Agile Evolution, Embracing Maritime's Adjacent Opportunity





# VMA's Mission Since 1920

# Promote, Protect, and Facilitate

commerce through Virginia's ports and the interests of associated industries and supply chains.

**450+ Member Companies** 

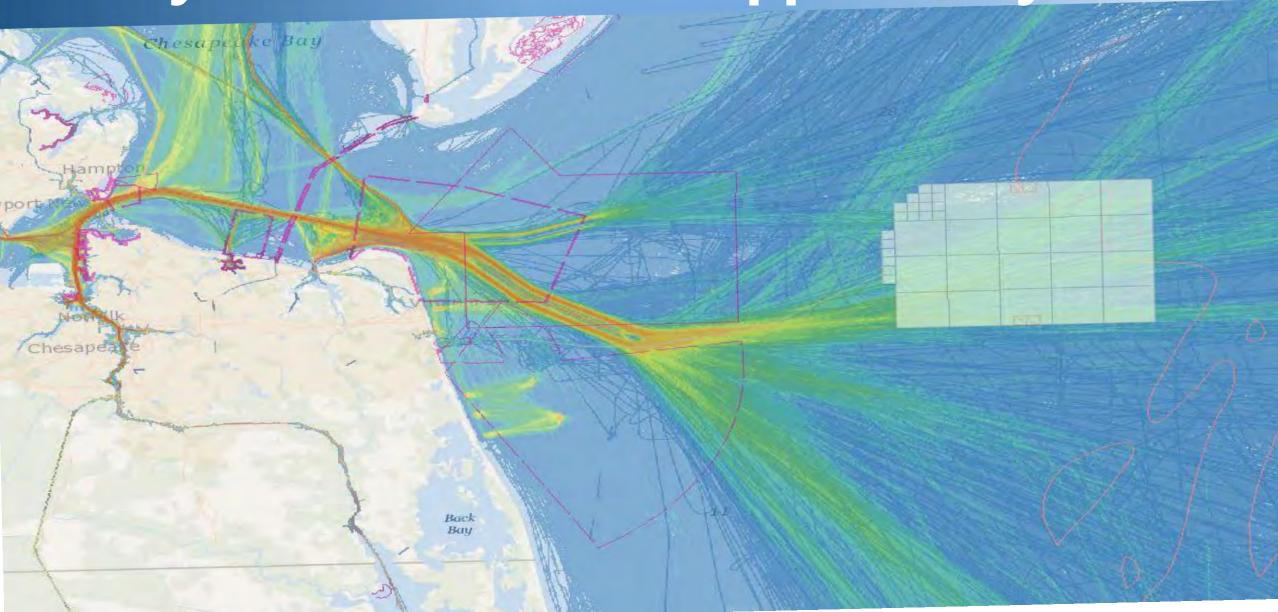


# Virginia's Port

- **>**2<sup>nd</sup> largest on East Coast in tonnage & 3<sup>rd</sup> in containers
- ➤ 5 state owned/operated & 50 privately owned/operated deep-water marine cargo terminals
- **≻**Largest coal export port in the U.S. (40%)
- > Largest ship building & repair complex in the U.S.
- **≻Home to world's largest Navy base**
- >Actively dredging to 55'
- **≻**No overhead restrictions



# A Busy Port – Abundant Opportunity



# **FY22 Economic Impact Study**



65.6M

TONS OF CARGO VALUED AT

\$103.5B



729.6K

**JOBS IN VIRGINIA** 

20%

OF VA EMPLOYMENT



\$87.8B

IN VA VALUE-ADDED

14%

OF VA GSP



\$56.9B

IN LABOR INCOME



\$178.1B

IN TOTAL SALES



\$8.1B

IN STATE & LOCAL TAXES







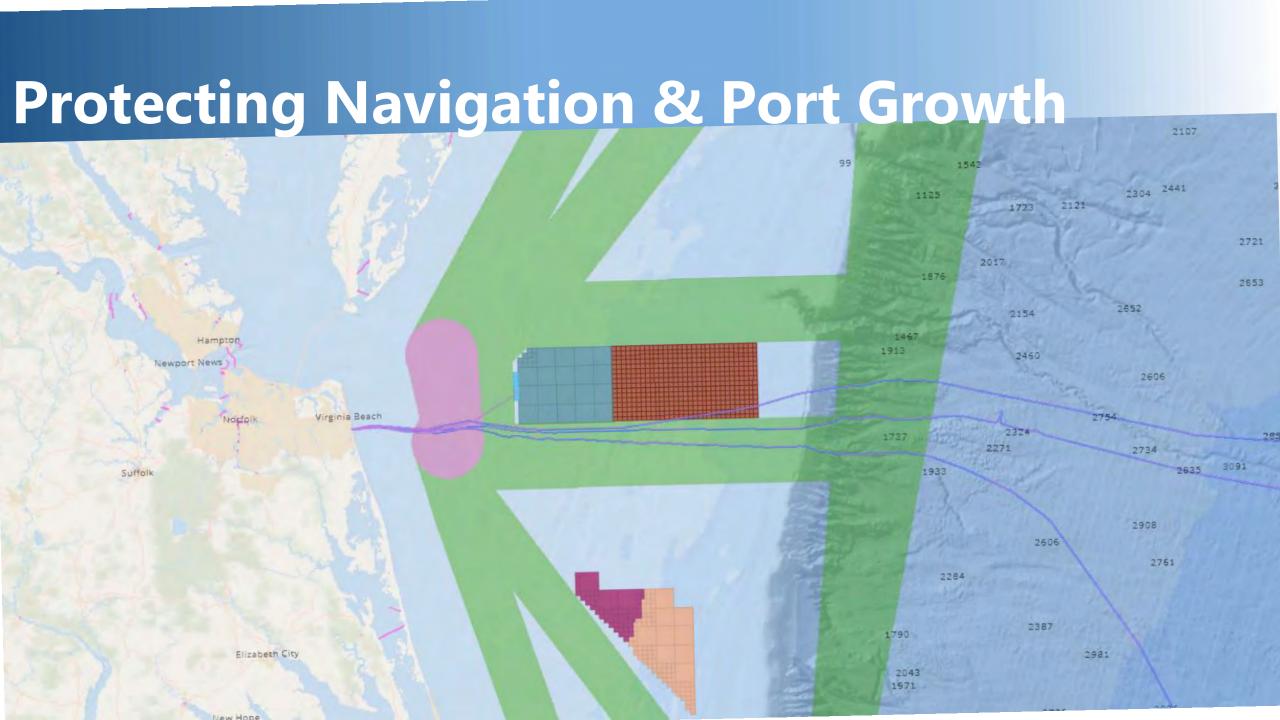


# **Early Local Success Stories**















# THE MOST EXPERIENCED OFFSHORE WIND AGENT IN HAMPTON ROADS



# YOUR VOICE IN THE PORT SINCE 1958

### CORE VALUES

- ADAPTABLITY
- COLLABORATION
- EXCELLENCE
- INTEGRITY
- LEADERSHIP
- PROFESSIONALISM
- STEWARDSHIP



1958

Capes Shipping Agencies is founded

2003

Purchased by Wayne Coleman becoming a division of CV International - a customs house and freight forwarder 2020

Capes starts working in the Offshore Wind Industry

10

Offices on the U.S. East Coast and Gulf Coast



# Traditional Ship Agency

Port Agency and Charterer's Representation Husbandry Services Freight Forwarding Solutions

### Offshore Wind

Vessel Agency Procurement Crew Logistics



# THIS TEAM.

**RACHEL UPSHAW** Project Manager

**DWAYNE WHITE** OSW Operations Agent

**TRACI KLASS** Offshore Wind Logistics Coordinator

ALEX STRANKO Procurement Specialist

5 ADDITIONAL OPERATIONS SUPPORT STAFF

# **VESSEL AGENCY**



**DWAYNE WHITE - OFFSHORE WIND OPERATIONS AGENT** 

OUR OPERATIONS STAFF HAS THE EXPEREINCE AND KNOW HOW TO SEE AND UNDERSTAND A POTENTIAL PROBLEM OR RISK AND MEDIATE THE SITUATION.

### WE'VE BECOME EXPERTS IN:

- REQUIREMENTS FOR US FLAGGED VESSELS
- B1/OCS VISA REQUIREMENTS
- TWIC GUIDELINES FOR NON-US RESIDENTS

410+	44	
Distinct Vessel Port Calls	OSW Vessels	
96	990	
Letters of Intent for the B1/OCS Visas	Trash Dumpsters	

# \$835,556 IN PROCUREMENT (OCTOER 2023 - DECEMBER 2024)

# **PROCURENT**

CREATING A LARGER NETWORK OF LOCAL VENDORS AND SUPPLIERS

09

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Vendors / Suppliers List - Continuously Growing

326

66

Packages delivered to vessels (since April 2024)

31

Trips to the Home Depot, Target, Walmart and Harbor Freight



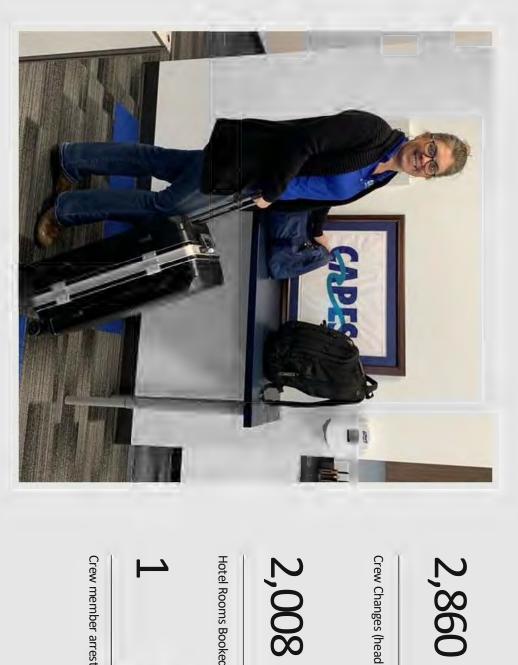
ALEX STRANKO - PROCUREMENT SPECIALIST

Board games purchased

Virginia Suppliers/Vendors

Food Trucks for crew and shore teams

# **CREW LOGISTICS**



TRACI KLASS - OFFSHORE WIND LOGISTICS COORDINATOR

2,860

1,015

Crew Changes (head count) since April 2024

Transportation Requests

76

Pieces of luggage returned

Hotel Rooms Booked

Crew member arrested...

# LOCAL RELATIONSHIPS

# COMMITMENT TO OUR COMMUNITY



























**THANK YOU** 



THE MOST EXPERIENCED OFFSHORE WIND AGENT IN HAMPTON ROADS

RACHEL UPSHAW
RUPSHAW@CAPESSHIPPING.NET
757-477-4687
OFFSHORE@CAPESSHIPPING.NET



**ODU OSW Conference Panel** 

March 21, 2025



### Who We Are

- Real Estate / Construction
- The Miller Group
- Balicore Construction
- Trident Civil
- Maritime
- Fairwinds Landing
- Fairlead Integrated
  - Systems
  - Structure
  - Boatworks











#### The Old Lamberts Point Docks

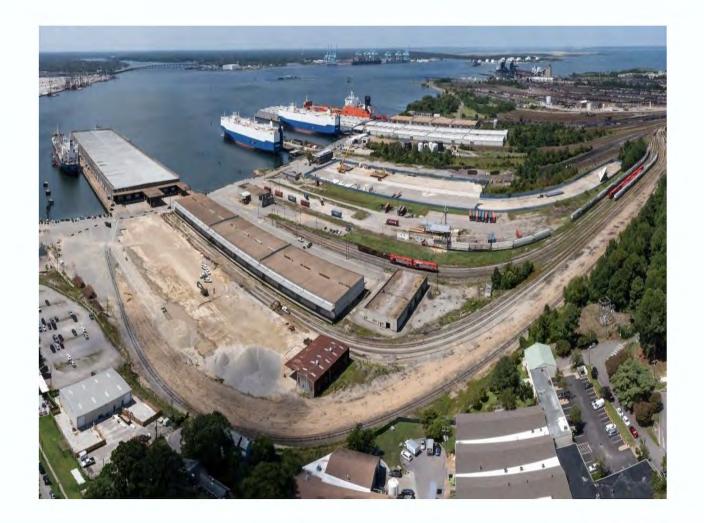
- Located on the Elizabeth River near Mid-Town Tunnel
- Owned by Norfolk Southern
- Long history as a rail-served, marine break terminal
- Faded into obsolescence with the shift to containerized shipping





#### The New Fairwinds Landing

- Strengths
- Long term lease with NS
- Significant available acreage (111 Acres)
- Tremendous waterfront capabilities (6000+ LF)
- Extensive heavy rail
- Deep Water Access
- No overhead obstructions
- MTSA Facility





Fairwinds Landing Vision

- World Class Marine Logistics Center
- Focused on 3 Economic Pillars of Hampton Roads
- Offshore Wind
- Shipbuilding & Repair
- Ocean & Intermodal Logistics
- Big, Heavy & Salty









Initial Successes

- Dominion Energy's O&M Base
- Newport News Shipbuilding
- Project Cargoes













## The Future – Macro Perspective

- Hampton Roads as Offshore Wind Hub
- Regional competitive advantages
  - Mid-Atlantic Location
  - Port Infrastructure
  - Maritime Workforce & Supply Chain
- Regional opportunities
  - Marshalling and Staging
  - Manufacturing All tiers
  - Operations & Maintenance
  - Office (HQ, Services, Training)
- Shipbuilding Industrial Base Expansion
- New Construction
- Decommissioning

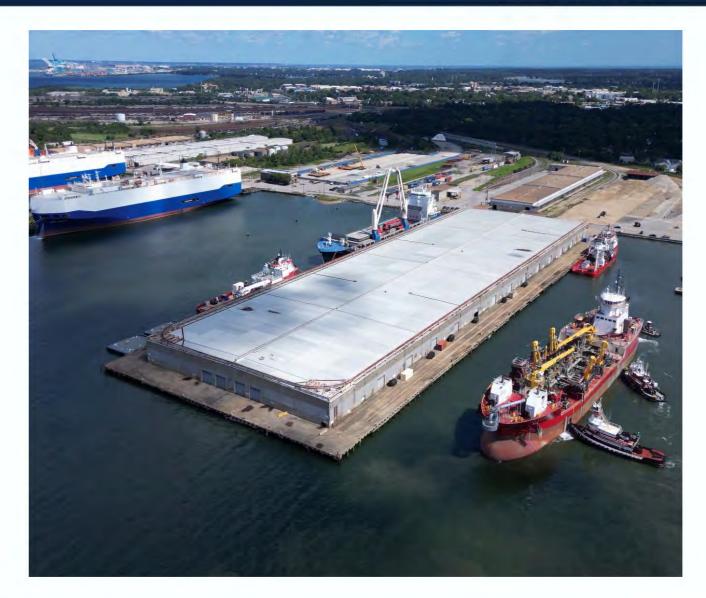






The Future – Micro Perspective

- CVOW O&M Base
- Shipbuilding Logistics
- Offshore Wind OEMs
- Multi-Tenant Flex-Use Space
- Maritime Operations
- Heavy Lift Cargo Operations
- •Rail-to-Water





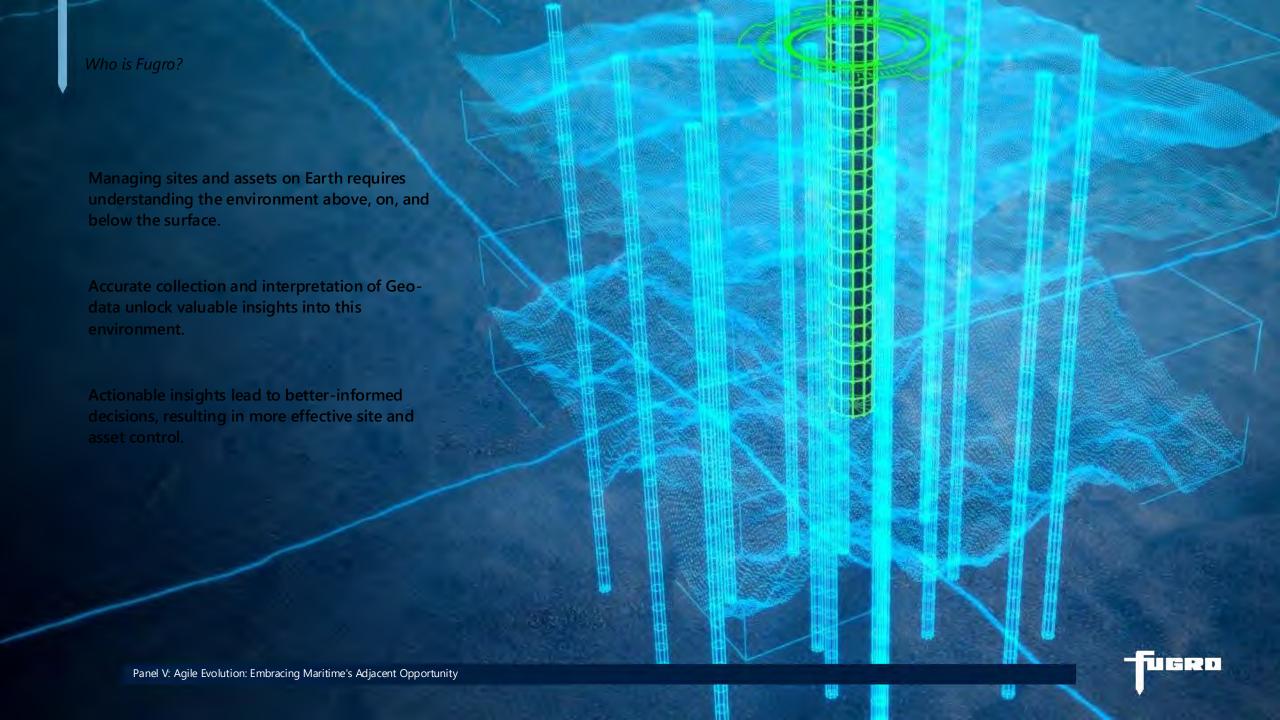
# Fugro Introduction

Kevin Smith, PG

**Principal Geoscientist** 

March 25, 2025 | Panel V: Agile Evolution: Embracing Maritime's Adjacent Opportunity





Energy Infrastructure

Water







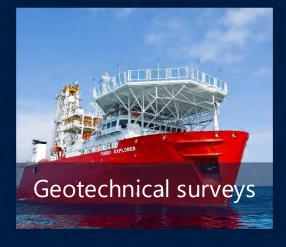


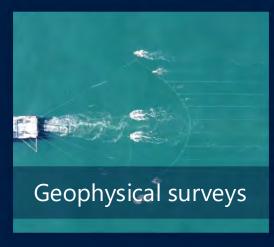
#### Offshore Wind Services

### Fugro involved in 90% of the US wind areas and 50% of European wind areas













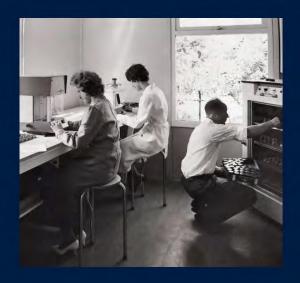






#### Fugro's evolution in the US Region

Founded in 1962 as a geotechnical engineering company
Historically 70% of our global revenue was related to oil and gas industry
~2021 offshore wind revenue in the US and Europe surpassed O&G revenue



Advancing geotechnical engineering through geodata integration and innovation



Core expertise and equipment translated well



Norfolk office opened in 2007 in the World Trade Center

Center of Excellence in Offshore Wind for the Americas Region



Innovations: Uncrewed surface vessels and electrical remotely operated vehicles





# 4:45pm Closing Remarks Elspeth McMahon



