

**A CLIMB TO  
THE TOP OF  
TURBINE #2**

**BLOCK ISLAND  
WIND FARM**

**OCTOBER 7, 2016**

## BLOCK ISLAND WIND FARM

On October 7, 2016 Prof. Tony Affigne, a member of Rhode Island's Coastal Resources Management Council (CRMC) and his daughter Ariele, photographer, visited the Block Island Wind Farm — America's first offshore wind farm — and climbed to the top of Turbine #2.

At a height of 339 feet, the turbine's helicopter deck is three stories higher than the upraised arm and torch of the Statue of Liberty.

*“As the first public official to climb this newest, tallest, and most powerful wind turbine in the Americas, I'm delighted to share the experience through these photographs.” — Tony Affigne*

**Ariele Affigne**

**Irina Gumennik**

**Chris Van Beek**



# CATCHING A RIDE ON THE ATLANTIC PIONEER



**70' LADDER SYSTEM - CTV TO DECK**



# REACHING THE DECK



Bryan Wilson

**WIND FARM MANAGER BRYAN WILSON**



**SOLAR ARRAY POWERS ONBOARD SYSTEMS**



**TURBINE #2, FROM BASE TO NACELLE**





**MAIN ACCESS HATCH TO TOWER**



**Killian Carteau**

# **CREW ELEVATOR - INSIDE TOWER**



**LIFT TRACK AND ESCAPE LADDER**



**MAIN POWER CABLES - TOP OF TOWER**



**NACELLE INTERIOR- LOWER SECTION**



**NACELLE INTERIOR- UPPER SECTION**



**ROTOR BLADE - 240 FEET FROM HUB TO TIP**



**SENSORS TRACK WIND SPEED & DIRECTION**





**Killian Carteau**

**Jody Grainger**

**Ariele Affigne**

**Tony Affigne**

**CLIMBERS ON HELIDECK, TURBINE #2**



**THE ATLANTIC OCEAN FROM 339'**



# **BLOCK ISLAND WIND FARM AND BLUFFS**



**HIGHEST VANTAGE POINT - FROM UPPER HATCH**



**LOOKING SOUTH - FROM UPPER HATCH**



**VIEW DOWNWARD FROM THE HELIDECK**



**DESCENT THROUGH NACELLE TO TOWER**

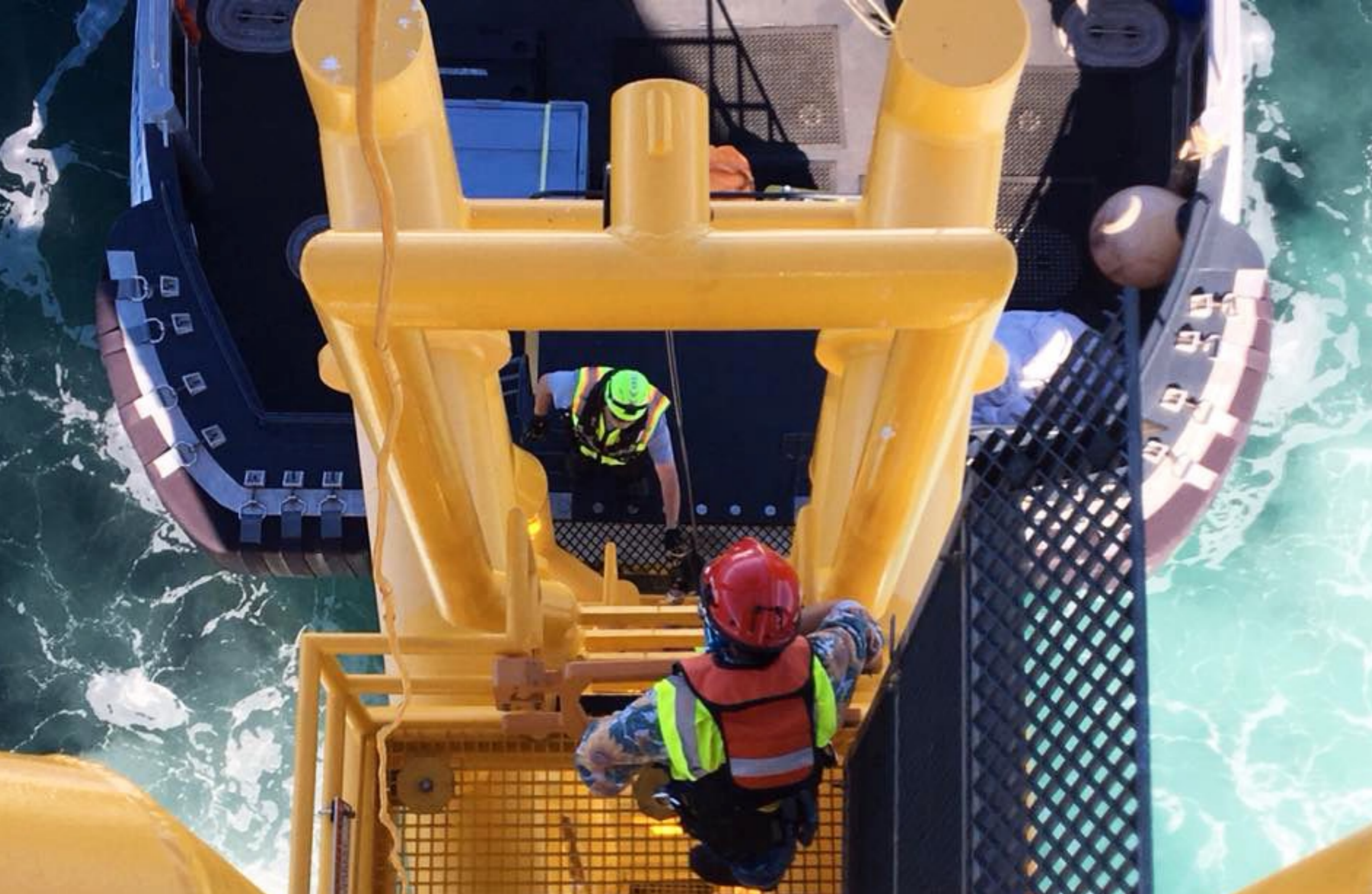


**BOTTOM OF THE TOWER - VIEW OF #1**





**WAITING FOR THE ATLANTIC PIONEER**



**DESCENT FROM THE DECK TO THE BOAT**



Tony Bessinger

# ON THE BRIDGE OF THE ATLANTIC PIONEER



**STEAMING TOWARD TURBINE #4**



**TURNING ON THE WIND**



**FINAL “SPIN TEST” BEFORE COMMISSIONING**



**BACK TO BLOCK ISLAND**



## HISTORIC BEGINNINGS FOR OFFSHORE WIND IN AMERICA

Here in Rhode Island, on North America's mid-Atlantic coast, offshore winds promise abundant clean electricity—but only if New England's powerful coastal winds (and storms) can be harnessed safely.

*“The stakes are high, with 2016 expected to be the hottest year since scientific record keeping began in 1880, and a climate warmer than it’s been for 12,000 years—since before the birth of civilization, before cities, settled agriculture, or world trade. In years to come, America will look back on this moment and be thankful for Rhode Island's foresight. The Block Island Wind Farm opens the door to a clean, offshore wind industry in the Western Hemisphere, with the potential to employ thousands, while fighting climate change.”*

**—Tony Affigne, CRMC**





## ACKNOWLEDGEMENTS

We wish to thank Deepwater Wind management including CEO Jeffrey Grybowski, President Chris Van Beek, Project Engineer Irina Gumennik, and Wind Farm Manager Bryan Wilson, for organizing and hosting our visit to the Block Island Wind Farm.

Jody Grainger and Killian Carteau, wind systems engineers with GE Power, helped guide our climb and we thank them as well.

Captain Jordan Ryan and First Mate Tony Bessinger of the *Atlantic Pioneer* (Atlantic Wind Transfers), provided transport, safety instructions, and a tour of the bridge. Thank you!

# **BLOCK ISLAND WIND FARM**

## **First in the Americas**

