

# Offshore Wind Project Development Overview

Coastal Connections

February 26, 2021



Growing the 757. Growing Virginia.

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# Alliance Supply Chain Development Initiative

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- Build a regional offshore wind hub
- Attract new investment to the Commonwealth
- Grow Virginia businesses
- Create long-term, high-wage jobs



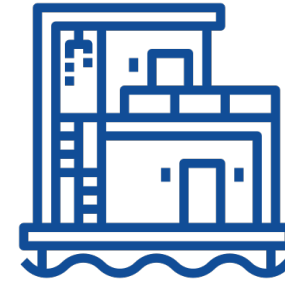
# Virginia's Advantages



Unmatched Port  
Infrastructure



Large & Skilled  
Maritime Workforce



Terminal Facilities &  
Waterfront Sites



America's Largest  
Shipbuilding Industry

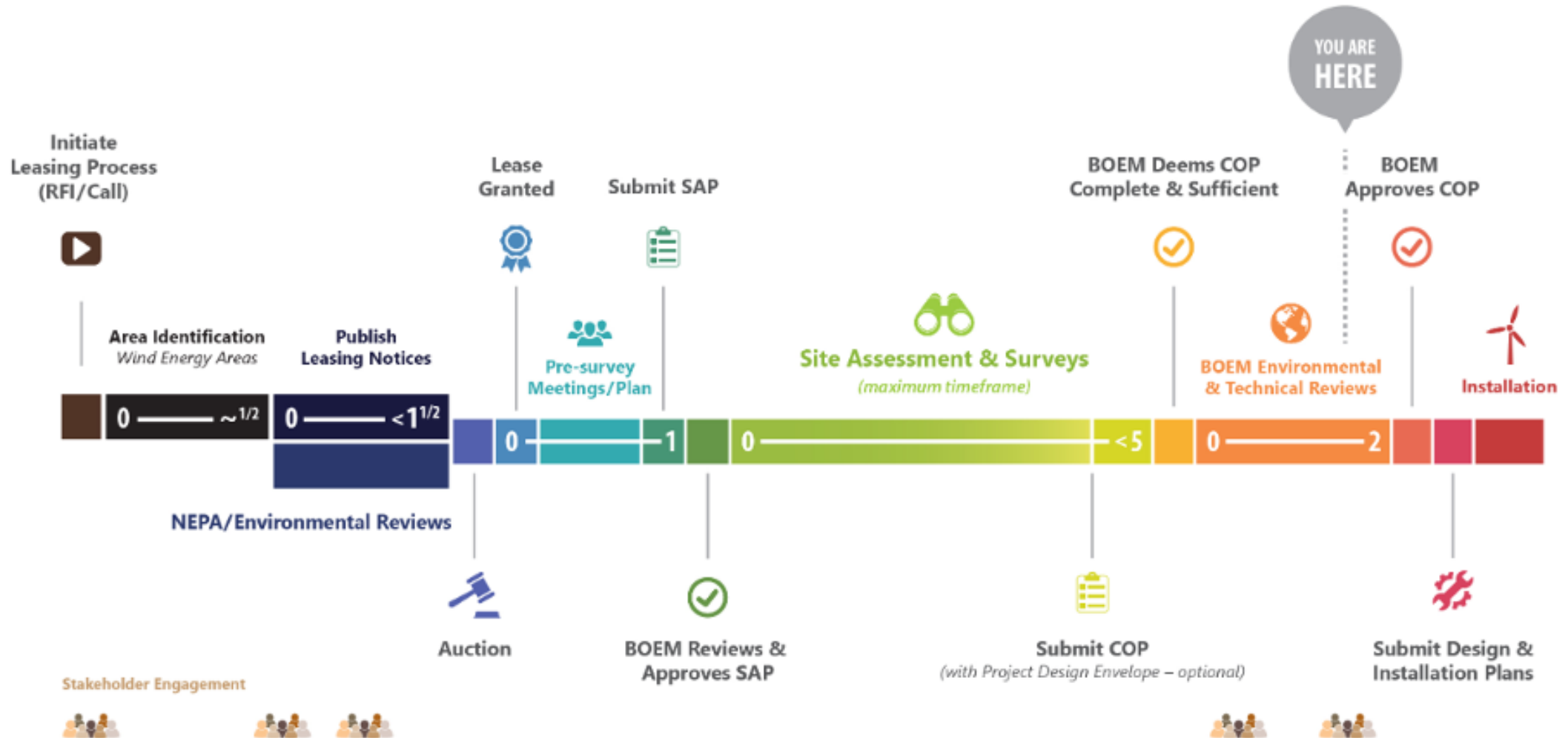


Pro-Business Climate



Strategic Location

# The Renewable Energy Process: Leasing to Operations



Planes and boats surveying bird and mammal populations and movements

Transferring technicians and equipment to and from the wind farm

### DESIGN AND MANUFACTURE

## DEVELOPMENT AND CONSENTING

## CONSTRUCTION AND INSTALLATION

## OPERATIONS AND MAINTENANCE

Analysing conditions of the seabed

Met stations are used to measure weather and sea conditions

Installing turbine foundations

Installing the cable

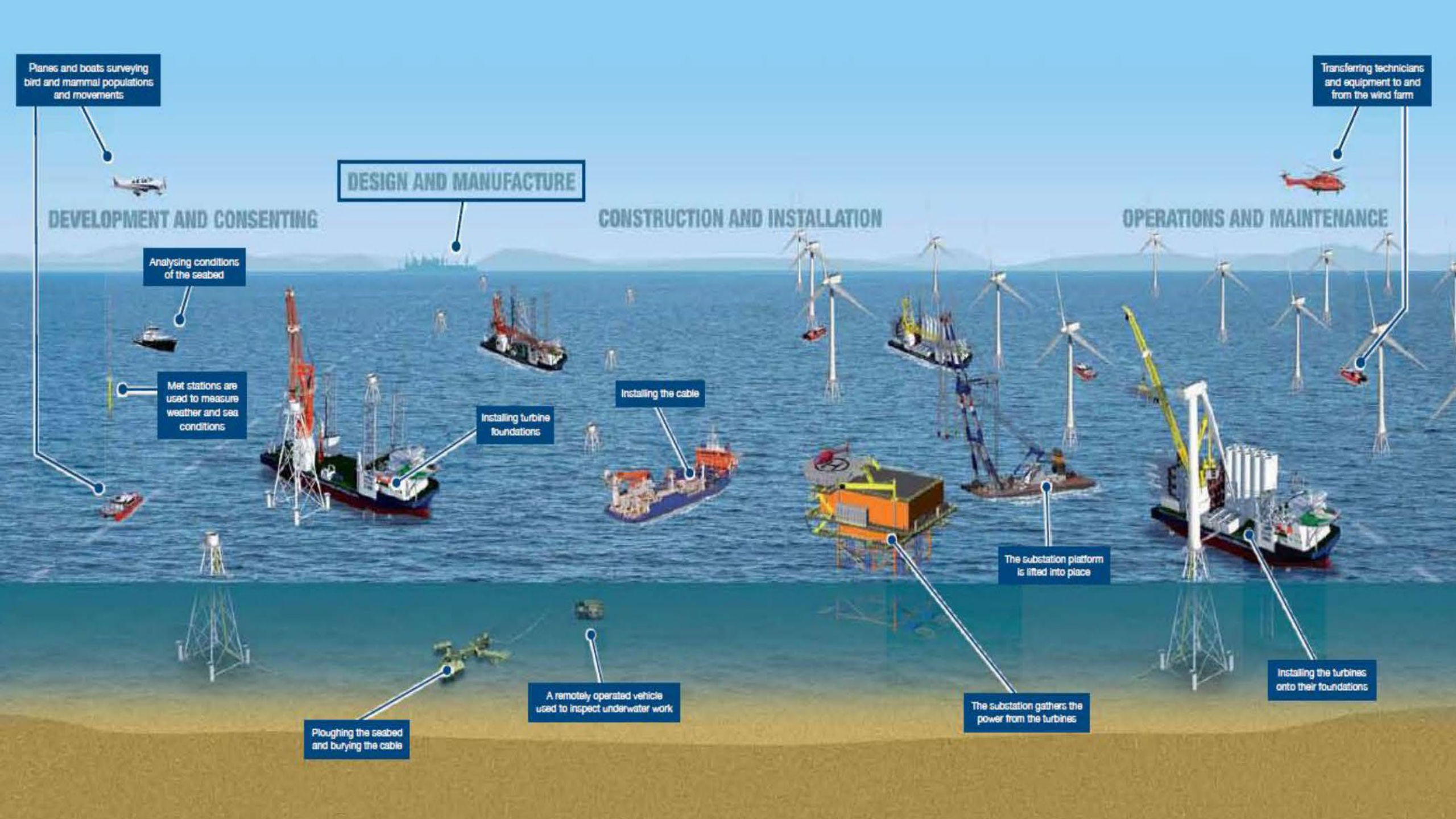
The substation platform is lifted into place

Installing the turbines onto their foundations

Ploughing the seabed and burying the cable

A remotely operated vehicle used to inspect underwater work

The substation gathers the power from the turbines



# “Virginia’s Projects”



## Coastal Virginia Offshore Wind

- Dominion Energy - 2,640 MW

## Kitty Hawk Offshore Wind

- Avangrid Renewables - 2,500 MW

## Economic and Environmental Benefits

- Power to ~1.4 million homes
- ~ 10 million tons of CO2 emissions avoided
- ~1,650 construction jobs
- ~2,000 O&M jobs
- \$1.43B direct economic impact (construction)

