## THE SERVICE OPERATION VESSEL CONCEPT

AND HOW CAN WE KEEP IMPROVING WINDFARM SERVICE COSTS?





## **ESVAGT AT A GLANCE**

Established

1981



Revenue 2017

**MDKK 867** 



925

Offshore employees



**70** 

Onshore employees



43/3

SOV fleet / New

4/3

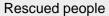


Walk-to-Work gangway transfers

>55,000

Safe Transfer Boat transfers

>140,000



134

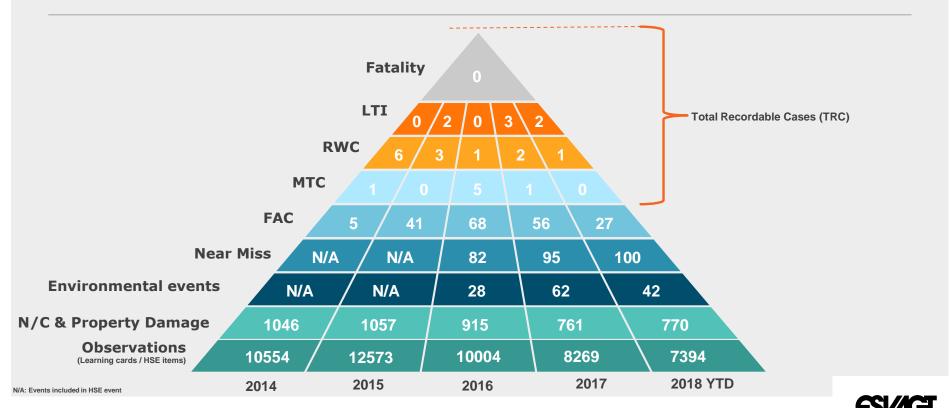


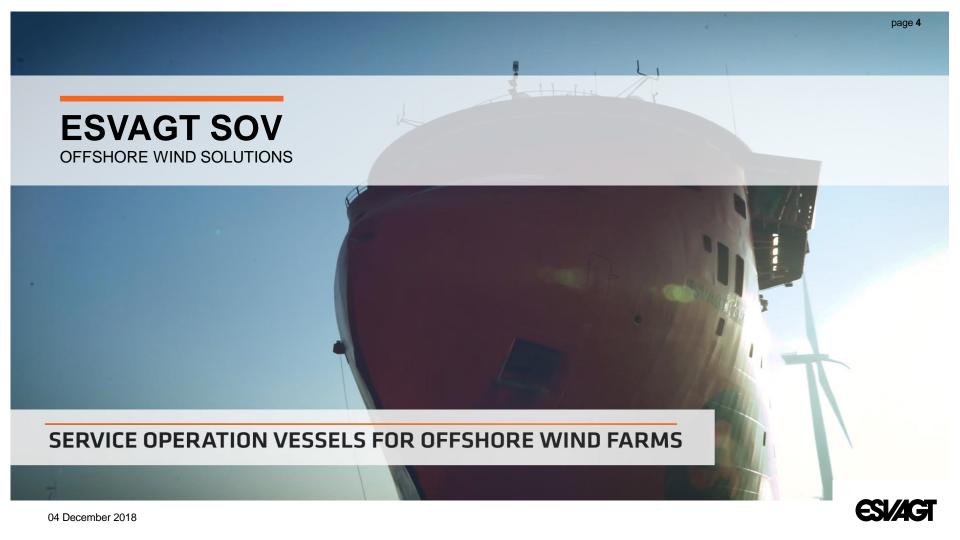




## SAFETY IS AT OUR CORE

SAFETY STATISTICS 2014-2018YTD









### WHY SOV CONCEPT

### DRIVEN BY LONGER DISTANCES AND LARGER TURBINES

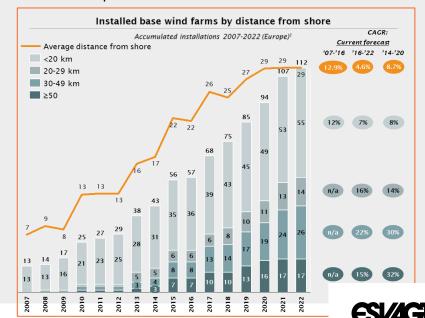
#### Benefits of an SOV vs. CTV

- Higher efficiency = fewer technicians required
- More productive employees
- Faster trouble shooting
- Less weather dependent
- More comfort
- Teamwork
- Multiple transfer models

....But the vessel CAPEX and OPEX are higher than a CTV

### Key Drivers of decision making;

- Distance from shore
- Value of uptime



### PRESSURE ON THE COSTS

#### LOWER/NO SUBSIDIES AND THE NEED TO REDUCE COSTS IN VALUE CHAIN

#### First Wave

- ✓ Higher workability
- ✓ More efficient technical solutions
- ✓ Lower cost options
- ✓ Smaller assets / design to need
- ✓ Further developing speed of transfer



- Not all industries have good experience with abrupt changes and pressure on value chain
- The Offshore Wind Industry should focus on sustainable reductions from the outset





## **SECOND WAVE FOCUSED ON OPTIMISING?**

SOV WITH CAPACITY - YET 5 OTHER VESSELS OPERATING



### THE NEXT STEPS OF "SMART" REDUCTIONS?

### THINKING HARD INSIDE AND OUTSIDE THE BOX

- More of....
  - Develop the technical solutions
  - Optimise logistics
  - Explore smart commercial models
- Maybe start....
  - Synergies amongst the players in value chain
  - Collaboration/services across windfarms
  - Outsourcing and bundling of non-core activities



ALL YEAR OFFSHORE BLADE ASSESSMENT Blade Assessment Service Train for offshore wind





# **THANK YOU**

Soren Karas

ska@esvagt.com

