

# AICC January 2020

## SIKULIAQ Introduction



Photo Curtsey @iceinmotion

© John Guillore

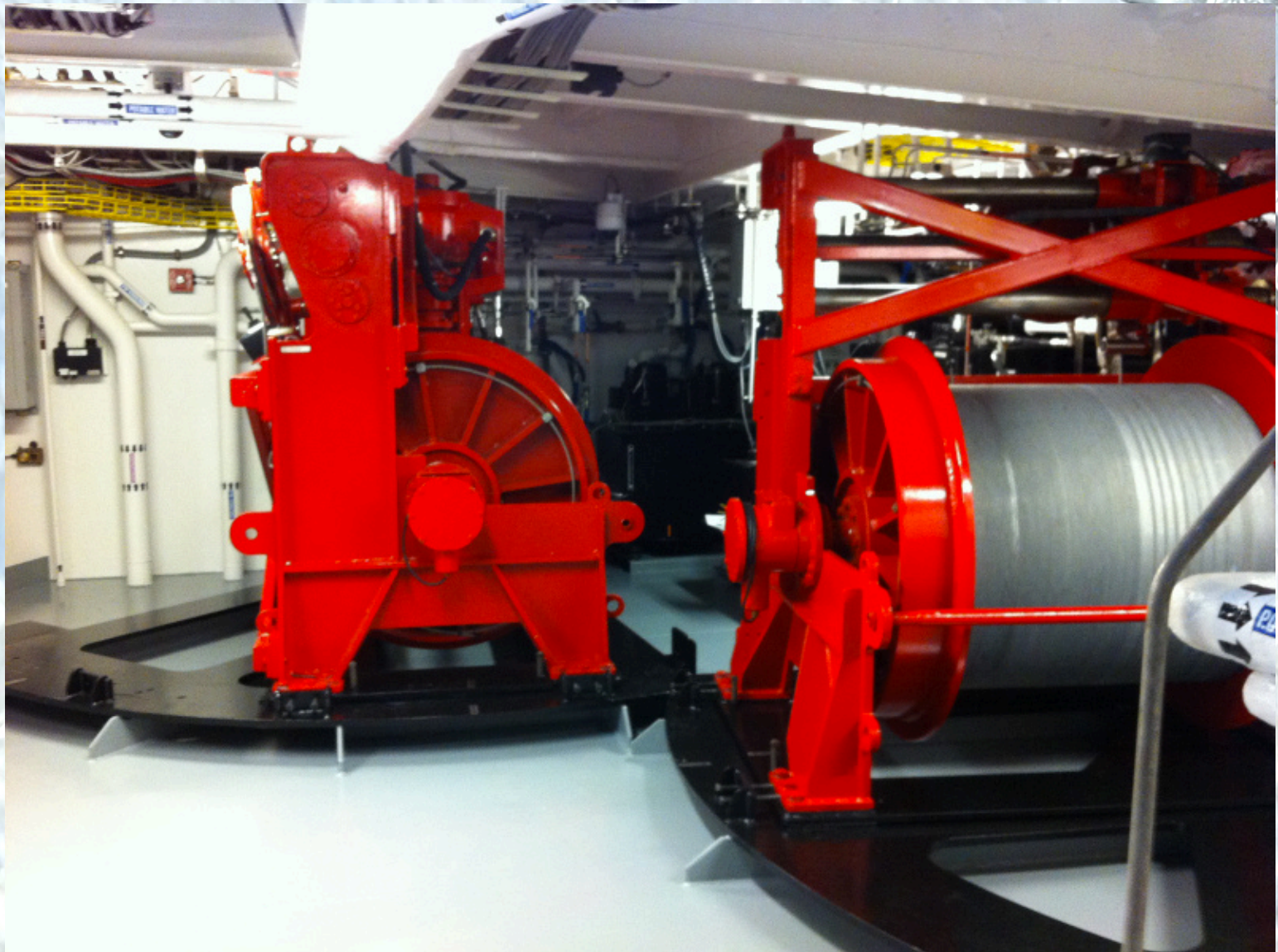




# SIKULIAQ Characteristics

- Polar Class 5
- Length 261 Feet
- Beam, Max Across Reamer 52 Feet
- Bear, Max Across hull amidship 48 Feet
- Draft 18 Feet 9 Inches
- Displacement 3,665 Long Tons
- Propulsion 5,750 BHP (Z Drives)
- Endurance ~40 Days
- Transit Speed 10.5 Knots
- Level ice at 2 knots 3 feet
- Science Berths 24
- Crew 20 +2 Marine Techs
- (QTY 2) Drum Winch (RAPP). .322 EM Cable
- Heave Comp CTD over LHS Boom
- Traction Winch .681 FO and 9/16 wire rope
- (QTY 2) Articulating Cranes 35K lbs at 25 feet
- Under Wire Winch (Kolstrand) Starboard Crane (2019)
- Aframe (Allied) 30K lbs Luffing Load





**RAPP Winches for CTD and Aft Deck Operations**







Photo Curtsey @iceinmotion

© John Guillote

CTD Captured by Load Handling System







Photo Curtsey @iceinmotion

© John Guillote

### CTD Deployed







Photo Curtsey @iceinmotion

© John Guillote

## Surface and Under Ice Trawl (SUIT)







Photo Curtsey @iceinmotion

## Surface and Under Ice Trawl (SUIT)







**Starboard Crane Underwire Winch (New 2019)**







Allied A-Frame







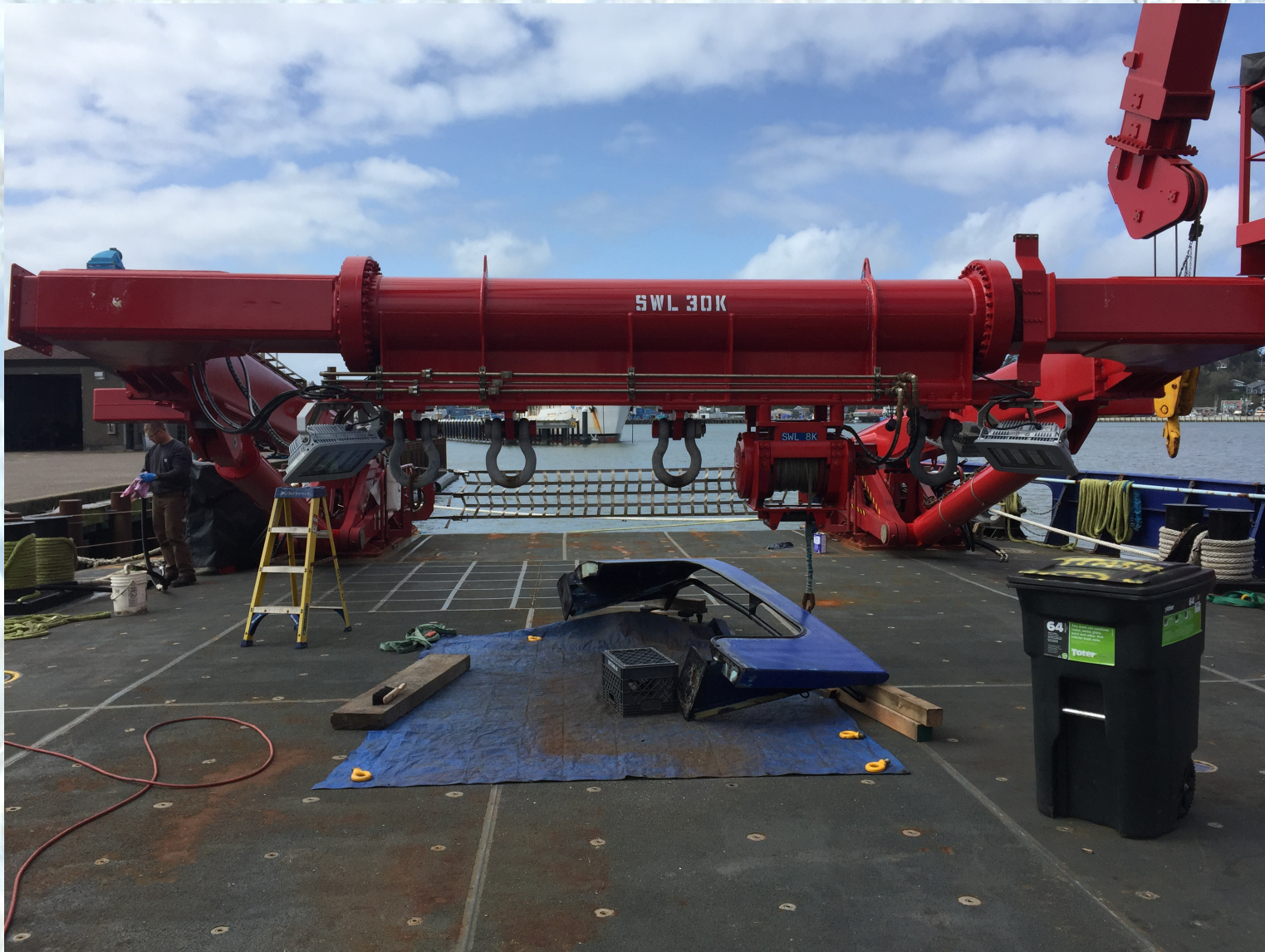
Photo Curtsey @iceinmotion

© John Guillote

## Radio Controls for Crane and A-frame Operations







**Aframe in Maintenance Position**





AFT Deck







**AFT Deck**



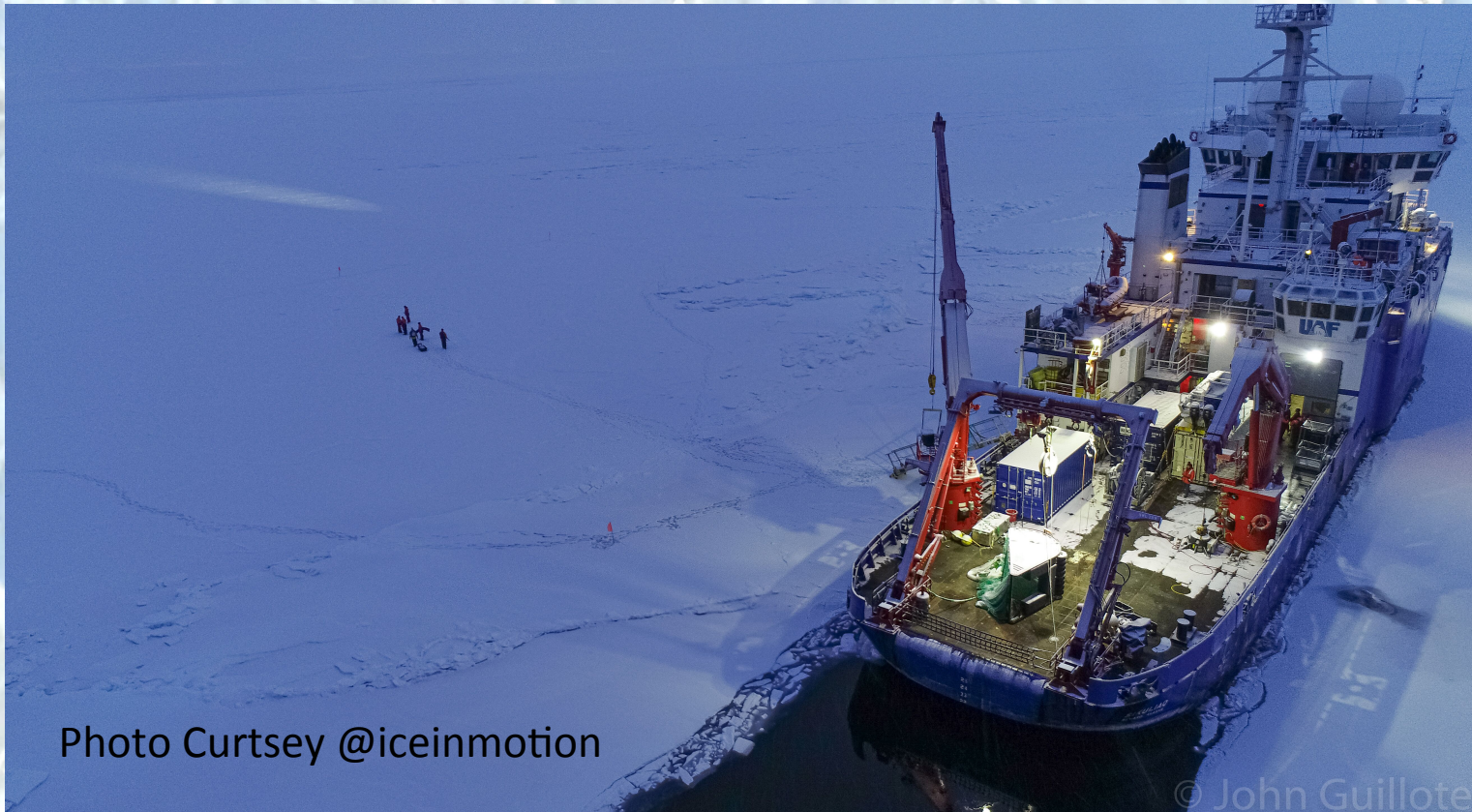


Photo Curtsey @iceinmotion

## On Ice Operations







Photo Curtsey @iceinmotion

© John Guillote

## On Ice Operations







Photo Curtsey @iceinmotion

© John Guillote

The End – Questions?

