

Forecast & Risk Communication

Polar Routeing Service by WNISAT-1R, "L-MAX", & TOPS

Outline

- Original sea ice forecast model by **WNISAT-1R**
- Track record of module vessel operation support on Yamal LNG Project by **Polar Routeing**
- **L-MAX** (LNG profit **MAX**imization) platform by BOG forecast
- **TOPS** (Total **OFF**shore **P**roject **S**upport) from study to operation

What can be achieved

- Safety & Scheduling vessel operation in sea ice navigation
- LNG Profit Maximization (Loss minimum & Gain Maximum)
- Efficiency offshore operation support by Vertical Integration

