

LEE, SUNG WOO

Director General, Port Research Division, Korea Maritime Institute, Republic of Korea

The Ways of Commercialization of Northern Sea Route with 4th Industry Revolution

The Northern Sea Route (NSR) is triggered by a reduction of Arctic sea ice with the discovery of new natural resources near the Arctic area. The Russian government has tried to create a better environment and commercialize the NSR since the 1990s because of its economy benefits such as the distance from Busan to Rotterdam by the NSR is 7,667 nautical miles compared to 10,744 nautical miles by the Suez Canal. However, it still has many obstacles to commercialize the route. In this research, we would like to investigate skeptical aspects of commercializing NSR and suggest a new model to resolve the obstacles by applying state-of-the-art technology based on 4th industry Revolution. It will give new ways to commercialize the route shortly.