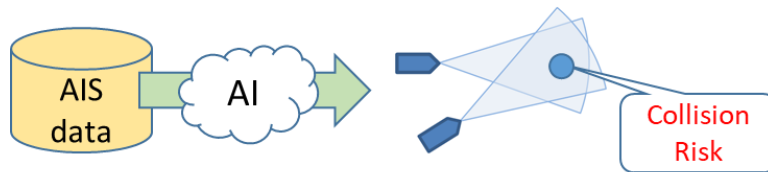


Demonstration of AI Technology to Predict Vessel Collision Risks for VTS (2019~2021)

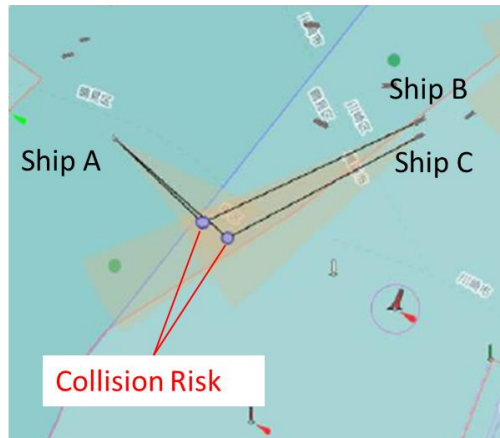
JCG conducted a demonstration of AI technology to predict vessel collision risks for VTS and confirmed its usefulness.

This technology is expected to assist VTS operators in making decisions about providing information to ships. In the future, JCG will continue to study technological matters for practical use and aim to further improve safety.

Technology



Calculate the probability of changing the course based on past AIS data for each speed and size of ships.



Field Trial & Result

Tokyo Wan VTS center



- ✓ About 95% of high risk events were correctly judged as high risk.
- ✓ About risk warning timing, this technology is earlier than VTS operators by average of approximately 2 minutes.