

TECH OFFER

Maritime Freight Rate Forecasting Algorithm

KEY INFORMATION

TECHNOLOGY CATEGORY:

Infocomm - Artificial Intelligence

TECHNOLOGY READINESS LEVEL (TRL): **TRL9**

COUNTRY: **CANADA**

ID NUMBER: **TO175154**

OVERVIEW

We are an advanced maritime forecasting platform that leverages cutting-edge artificial intelligence (AI) and machine learning (ML) to provide highly accurate predictions for the shipping industry. The platform's AI-driven models analyse vast amounts of historical data, along with current market conditions, to predict short-term, medium-term, and long-term trends. The technology help companies reduce costs, optimize operational efficiency and manage risks, allowing them to make proactive decisions

TECHNOLOGY FEATURES & SPECIFICATIONS

The core of the technology is its AI-driven software, which uses sophisticated machine learning models to analyse vast datasets related to maritime shipping. These algorithms are designed to process and learn from historical data, market variables, and external factors to generate highly accurate forecasts for freight rates and other market trends

The technology employs advanced data mining techniques to gather and analyse data from various sources, including historical market data, economic indicators, and shipping data. These tools help the AI algorithms identify patterns and relationships that are crucial for making accurate predictions

POTENTIAL APPLICATIONS

Shipping Companies and Fleet Operators: Would benefit directly from the predictive insights of the technology. By integrating the technology, shipping companies can optimize their fleet management, route planning, and maintenance scheduling, leading to cost savings and increased operational efficiency

Financial Institutions and Investors: Banks, hedge funds, and other financial institutions involved in maritime investments could benefit from the technology. The technology can provide them with accurate forecasts that inform investment decisions, risk management, and market analysis, thereby improving their return on investment (ROI)

Maritime Data Providers and Analytics Firms: Collaborations with other data providers can enhance the accuracy and scope of the predictions. Partnerships with firms that specialize in maritime analytics or data collection can provide additional data sources, which would further refine the AI models.

UNIQUE VALUE PROPOSITION

It is a first of a kind technology capable of predicting freight rates on a short, medium and long term basis. It also has a minimum of accuracy of 90%, available on over 160 different shipping routes. This is especially impressive given the extreme volatility of the maritime industry.