



WINGS

A decision support tool for maritime actors, based on the real-time weather

Wings is an easy to use and efficient service used on board, aiming at implementing an efficient decision support tool for seamless access to real-time weather information and so permitting re-routing and operational decision making. Target market sections include terminals and ports, maritime passenger operators, such as high speed ships and cruise ships, crews, passengers, pleasure boats, fishermen as well as the general public.

The WINGS service is based on real time weather information network and provides support in the decision making process of shipping companies and authorities. Through the delivery of meteorological data to operational ships and the use of route evaluation modules, the routing of the ships can allow optimising the arrival of the ship.

The lack of accurate weather information in maritime activities can indeed generate accidents, unjustified cancellations and injuries and can as well cause passenger and crew discomfort, or produce unwanted environmental effects.

The WINGS system makes dynamic computations using ship and sea area models so as to optimise the decision making process. Indeed, based on accurate marine weather forecasts and now-casts as well as customised route optimisation, shipmasters will have Wings decision support tool for managing all the parameters necessary (sea sickness probability, height of waves, wind, pressure, etc. allowing them to plan a pleasant trip.

WINGS will assess and demonstrate the attractiveness, the market validation and likely deployment of this real time weather information network. In order to check the validation between the prototype and the market, along with the full scale trials conducted within the previous research WINGS-FOR-SHIPS, the services will be demonstrated in the Northern Sea and in the Mediterranean Sea.

To go to full scale implementation, Mettle has brought together leading European technological providers of information and telecommunication technologies (TELECOM ITALIA, BIKIT Belgium) and of maritime system engineering and navigation systems (METTLE France, SSPA Sweden) as well as a meteorological institute (Météo-France). Moreover, some end-users have also joined; including a major shipping company (SNCM France) and the Greek Governmental Maritime Academy (AEN MAK Greece).

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