

ROLLS-ROYCE AIR REFUELING OPTIMIZATION AND PLANNING SYSTEM (RR-AROPS)

A robust and scalable information technology solution to multimodal, world-wide air refueling requirements from user requests through mission execution.



The RR-AROPS product suite consists of five operationally-ready products providing a digital solution to support our customers and their air refueling needs.

RR-AROPS MISSION PLANNER

Automatically develops optimized solutions for single or multi receiver, large force or cargo movement missions that require air refueling support. Optimizes allocation, routes, and performance of tankers available to support receivers (airlifters, bombers, fighters) in the execution of a specific mission.

RR-AROPS AIR REFUELING SCHEDULER

An interactive planning solution designed to gather air refueling support requests from various sources and create daily optimized air refueling schedules. The optimized solutions provide the best match of available tanker aircraft with prioritized receiver requests while also providing visibility to all users.

RR-AROPS AIR TASKING ORDER

Automatically produces an optimized, flyable tanker schedule to meet Air Tasking Order (ATO) air refueling mission requirements in a matter of seconds. The system is scalable to any Air Operations Center (AOC) – several missions or several hundred missions – for one or many days of ATO tanker operations.

RR-AROPS FORECASTER

Provides an accurate estimate of the number of tanker aircraft required to support an ATO. The user enters the gross offload amount, an average distance from tanker bases to air refueling tracks, tanker base information (takeoff and landing data along with recovery fuel). The system will provide the user with tanker aircraft requirements for the ATO scenario.

RR-AROPS CORONETS

Provides a common user environment for collaboration on solutions to Coronet mission requests, including solutions for total fuel offload required, location of air refueling events for each receiver and alternate airfield options. Rapid re-planning capability is provided for recovery when receiver diversions occur.



Designed to support air refueling requirements

Collaboration Capability

End-to-end process visibility within a common user environment allows stakeholders to collaborate on mission solutions.

Secure and Supported

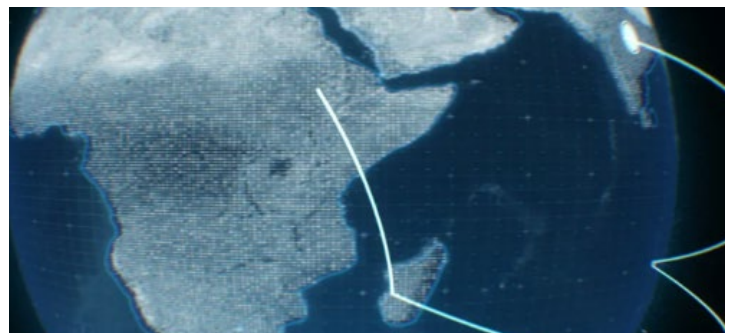
Software is secure and can be hosted within a customer provided cloud environment or locally on a customer provided server.

Enhancements

Designed to allow for ongoing enhancements to customer process changes and periodic updates.

Low Cost / Low Risk

Solution provides robust tools that allow planners to execute force projection and scenario planning exercises in a cost effective and low-risk environment.



For further information or to arrange a demonstration, please contact:

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