

tpgroup

AntsOnDeck

An optimised risk aware path planning
and rapid collision avoidance system
for Autonomous Surface Vessels.

Innovative thought.
Absolute trust.
Critical technology.



/ AntsOnDeck

AntsOnDeck is an agent-based system that generates optimal routes against user defined constraints of vehicle dynamics, performance, fuel efficiency, and time and cost. It factors in ever changing environmental elements, such as wind, tide and current, while avoiding moving or stationary vessels as well as other obstacles.

- Modular integration with pre-existing instruments and onboard control systems
- Real time sensor input and route constraint changes automatically update optimum path

Future uses will expand the patent pending AntsOnDeck system to encompass land, sub-surface and airborne platforms both commercially and in a defence setting.

