

tpgroup

North*

An integrated technology suite
designed to help our customers
transform how they work in a
changing world

Innovative thought.
Absolute trust.
Critical technology.



Imagine a technology that can optimise your assets and operations, make better decisions - faster, and control how a vehicle or vessel reacts to a dynamic environment. North* does just that – it's integrated technology suite that **combines digital world building with a toolbox of autonomy and spatial modelling.**

North* is **platform agnostic and offers a holistic approach to controlling individual or multiple complex decision-making spaces - whether land, sea, air or space.** With a modular integration interface, North* compliments pre-existing instruments and control systems.

How does it work?

Whatever the scenario or challenge, North* creates a digital twin to model the complex and fluid situations. This enables the technology to optimise resources, identify multiple 'what if' scenarios, prioritise data and trend relevance - whilst analysing vast and disparate data sets.

Using an agent-based modelling algorithm for navigation, North* automatically plans and autonomously executes a route or mission from A to B. It continuously verifies and validates a path - fusing known data (maps, charts, forecasts etc.) and layering with live real-time data gained from on-platform sensors, Where there is no existing data, North* creates and builds the localised digital world to navigate the decision space.

