

*tpgroup*

# Optimiser

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A dynamic and rapid decision support tool for organisations that need to plan capacity and optimise the availability of critical resources within their enterprise.

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Innovative thought.  
Absolute trust.  
Critical technology.



# *Optimiser*

## A trusted partner to the public sector

As a trusted partner to the UK Government, **tpgroup** support highly regulated mission and safety-critical programmes, and have assured the availability of naval submarine life-support systems for over 40-years.

**tpgroup** recognise that a key challenge of providing assured availability is having the ability to optimise the deployment of multiple critical resources, from people and infrastructure through to equipment and consumables, and dynamically re-allocate them based upon rapidly changing circumstances - whether on a single or multiple sites.

## Smart technology that solves your most pressing challenges

**tpgroup** recognise that traditional management processes and systems lack the flexibility and responsiveness to deal with complex and dynamic environments with multiple (often autonomous) resources. That's why **tpgroup** have invested in a technology and innovation programme that has delivered North\*, a suite of advanced artificial intelligence (AI) products.

Optimiser, part of the North\* suite, is a data-driven decision support tool that uses a metaheuristic approach to rapidly explore large scale, multidimensional decision spaces, to undertake constraint based planning and resource optimisation in a fraction of the time of traditional capacity planning and availability tools.

Optimiser can be configured and scaled to support the following use-cases in any domain:

- Dynamic replanning and reallocation of critical resources in response to rapidly changing circumstances
- Business continuity planning - assessing enterprise resilience to crisis management scenarios
- Long-term planning and allocation of resources across the enterprise
- Organisational design - determining the optimal investment in new and/or modified resources across the enterprise

**Contact Us:** For more information please go to [www.tpgroupglobal.com](http://www.tpgroupglobal.com) or contact us at [enquiries@tpgroup.uk.com](mailto:enquiries@tpgroup.uk.com).