

# CounterWorX: Simulate to survive

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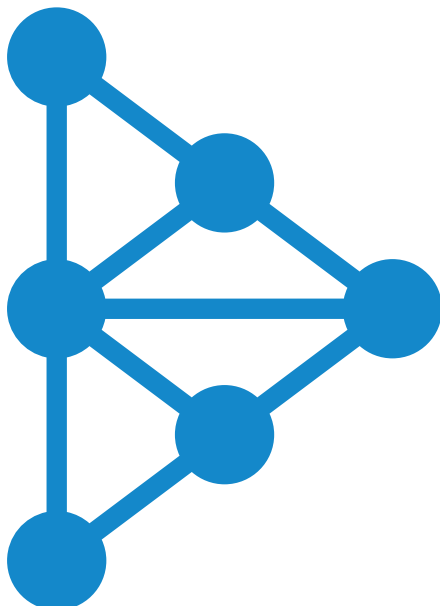
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**WHAT IS COUNTERWORX?**

CounterWorX is a suite of tools that enables defence and civilian organisations to conduct countermeasures development, and virtually model dangerous and complex operational scenarios to optimise survivability from lethal engagements when learnings are deployed in the field.

The tools are used by defence organisations globally to open up new possibilities over countermeasures development, and enable them to develop approaches as well as learn from past missions which equip them for operational effectiveness.

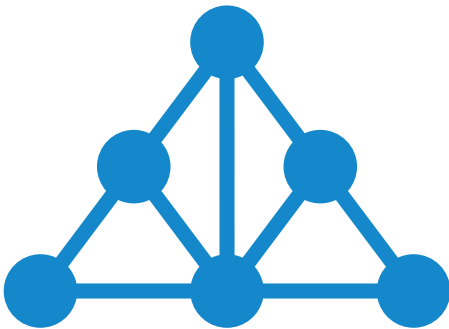
**WHAT DOES IT DO?**

Individual CounterWorX tools perform their own specific functions which, used in combination, provide a full countermeasure development, knowledge and training package:

- **CounterWorX DISCOVER** is a missile reverse engineering tool enabling users to gain an aerodynamic model of a threat based on only basic known information.
- **CounterWorX PROTECT** is a multi-domain and multi-mode 3D simulator. The RF, EO, IR capable tool provides an understanding of threat systems and defensive aid capability determining which countermeasures will be effective.
- **CounterWorX ANALYSE** analyses data produced by the PROTECT tool.
- **CounterWorX REPLAY** supports post-mission analysis by visualising real flight data providing a deep understanding of mission effectiveness. It can also be used to visualise training engagements on weapons ranges.
- **CounterWorX KNOWLEDGE** profiles the data that exists in an EW threat database, enabling users to assess the completeness and accuracy of data related to an adversary's systems. This is fully compatible with MASS's THURBON EW database and provides a graphical view and perspective of the available data to feed into modelling.

## PROFILE

MASS is an independent, global technology company, trusted by highly-secure organisations to provide advanced, digital services that manage data and keep information safe. With our heritage in defence, we now offer robust solutions to sectors where security expertise is essential. We work in partnership with customers, using skilled, technical experts. We think innovatively to provide tailored, agile and resilient solutions that secure advantage, so you're ready for digital transformation.



## TRUSTED TO DELIVER

MASS is trusted by the UK and nations around the world to deliver EW tools, services and training.

## TAILORED SOLUTIONS

We take a partnership approach and our solutions are always tailored to your needs.

## HIGHLY SKILLED EXPERTS

Our people are experts at what they do. Highly technical, endlessly curious and always approachable.

## BENEFITS OF COUNTERWORX

- **CounterWorX increases confidence** through investigation of all possible outcomes.
- **CounterWorX significantly reduces development costs** by optimising time spent on a range.
- **CounterWorX is adaptable and flexible** enabling organisations to test new approaches and scenarios and to allow future technology to be represented.

## WHAT OUTCOME DOES IT ACHIEVE?

CounterWorX **opens up new possibilities for countermeasure development**, where previous limitations over cost and safety would have impacted development.

Removing the risk of human error in the development process, the suite of tools provides organizations with the knowledge and data to support effective countermeasure development and explore how they will perform in the real world based upon scientific approach.



## WHY MASS?

### Our agile approach to technology

MASS, the global technology and training support company, has built its reputation through decades working in the defence sector, offering highly secure digital services. From demonstrating an innovative approach to military simulation training to providing cyber security services, MASS provides expert support and services for the military and defence sector to obtain operational effectiveness.

For us, innovation isn't just about cutting-edge technology but about applying new ways of thinking, and working with agility to adapt quickly to change.



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