

Constructive Simulation

# RUAG OSPREY Command and Staff Trainer



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ahead. **RUAG**

# RUAG OSPREY

## Command and Staff Trainer

Our Constructive software RUAG OSPREY covers the full range of Command Post Training needs while focusing on flexibility, accuracy and usability. The system immerses command post staff in extensive and complex conflicts spread over 1000s of km<sup>2</sup> and places up to 10'000 units at the trainee's command.

### Flexibility and Customization

RUAG OSPREY is completely customizable to suit any military doctrine. Specifics such as the performance of each weapon system, how much information is relayed back to the trainee and the composition of each unit can all be individually defined.

The system is based on the software behind the SWORD solution from MASA Group meaning it is commercial of the shelf (COTS) and comes complete with a wide range of units and scenarios ready to train with and customize.

### Accuracy

Using RUAG OSPREY's Artificial Intelligence Technology (AI-Engine) the simulated forces are intelligent and autonomous, even able to realistically adapt their reactions as situations unfold. This provides the trainees with a highly accurate training experience.

### Usability

The system's easy to understand GUI lets trainees quickly become experts and contributes to the immersive and effective nature of the training. The system can be deployed in a range of ways to best suit the user. It succeeds in large scale staff training centres, self-training and can also run on laptops. The system supports standards like DIS, HLA or BML allows the integration and interconnection of Command and Control (C2) Systems.

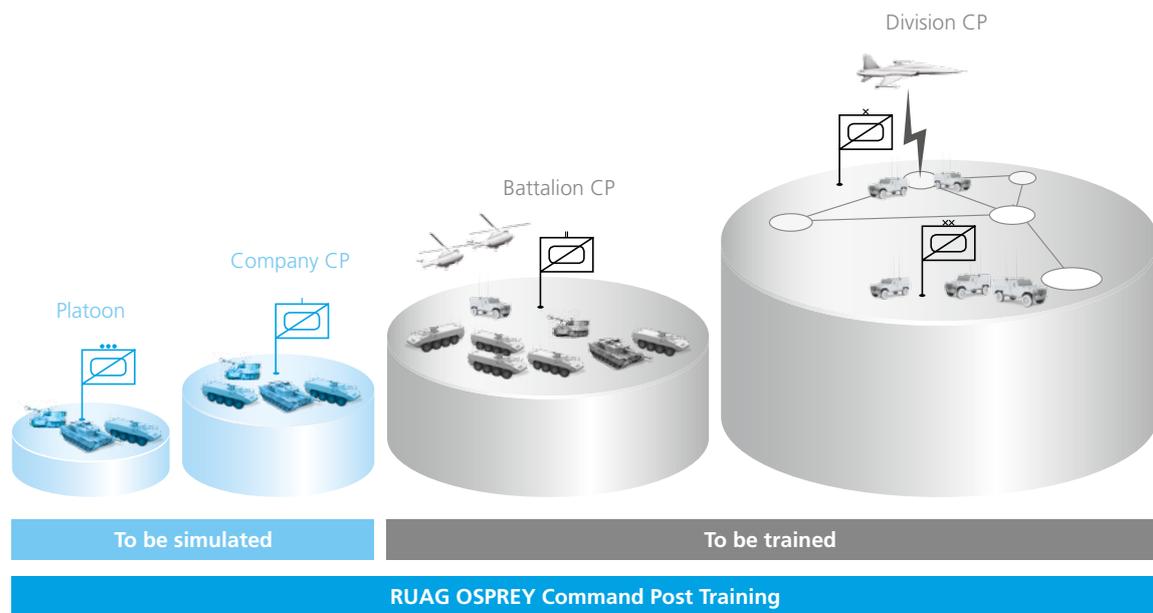
## Command Post Training

- RUAG provides the entire OSPREY Software suite and the necessary development and configuration
- RUAG as a General Contractor provides interfaces of subsystems including the back to back contracts with the co-contractors of subsystems
- RUAG provides the necessary Hardware Components
- RUAG provides the Communication Solutions for the Training Centers
- RUAG provides the Maintenance either by their own Service points or by subcontractors in most countries of the world

RUAG OSPREY is able to support training of the following levels of Command Posts:

- Company
- Battalion
- Brigade
- Division

RUAG OSPREY also includes a comprehensive representation of every service, to train the entire command post staff and to play combined arms operations.



The figure above shows the typical hierarchical deployment of a Division CP and Battalion CP to be trained (colored grey) and the units (Platoons) as well as the Company CP to be simulated (colored blue)

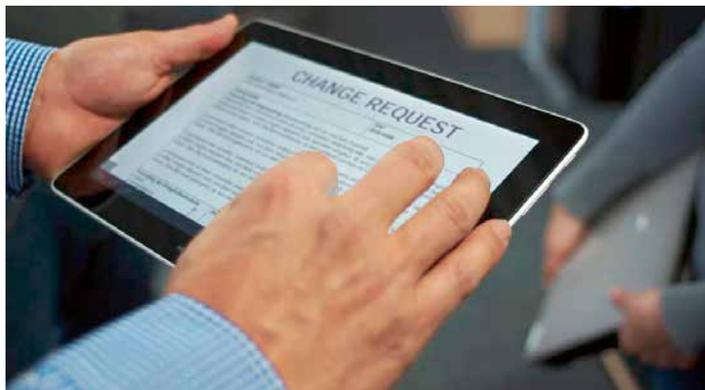
## Support for Complex Operations

RUAG OSPREY artificial intelligence engine accesses a library of behaviors and models that have been designed and validated, to specifically support functionalities for Military Operations (asymmetric, irregular warfare) and MMOTW as well as Emergency-Crisis Management occurrences. These models and behaviors are autonomous but can be easily assembled according to the training purpose. New behavior libraries and models can be added and new missions can be specified and modified without affecting the core simulation.

## Efficient Integration and Maintenance

RUAG OSPREY is a highly reliable simulation and has been running for periods up to two weeks non stop without a single failure. Neither a hardware specialist nor third party software licences are required to run and use it.

## Customer service



Our proven release and rollout management is the optimal basis for high system availability, seamless operation and investment protection. As an experienced provider we guarantee smooth and professional change management in accordance with recognized industry benchmarks. By using us as your single provider you benefit from a complete solution for; technical, infrastructural and logistical operational services with complete cost transparency.

## Requirements engineering



We deliver successful requirements engineering through a holistic approach and by carefully considering all relevant criteria including security. Every project is treated individually to provide the right engineering services for specific problems. From specification definition, through interface development, to component selection and integration, we provide the highest quality engineering services.

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### RUAG OSPREY

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- A complete solution

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- A fully customizable simulation

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- A cutting-edge CGF

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- A light yet powerfull simulation engine

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- A scalable and open architecture

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