

CameoSim & RadTherm: ELECTRO-OPTIC AND INFRARED SCENARIO MODELLING FOR THE SIGNATURE ASSESSMENT OF PLATFORMS



Acknowledgements



CameoSim

The Electro-Optic and
Infrared High Fidelity
Synthetic Scene Generator

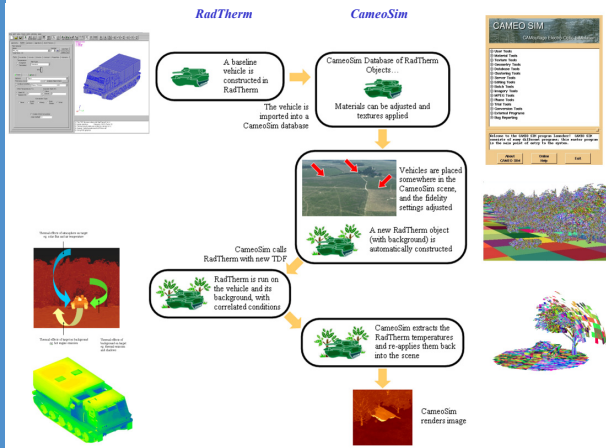
Based On First Principles

LOCKHEED MARTIN

- Need to quantify your vehicle's signature?
- Need to enhance its survivability?
- Need to play what-if games?
- Need to identify the optimum countermeasure techniques?
- Need to know now?

An accurate software modelling suite for the
virtual design and analysis of vehicle systems,
for engineers and scientists searching
for optimal vehicle survivability

CameoSim and RadTherm Interface...



CameoSim

Based On First Principles.
Radiometrically Accurate.

Can you spot the vehicle?

CameoSim is a commercially established code for
defence related programmes.

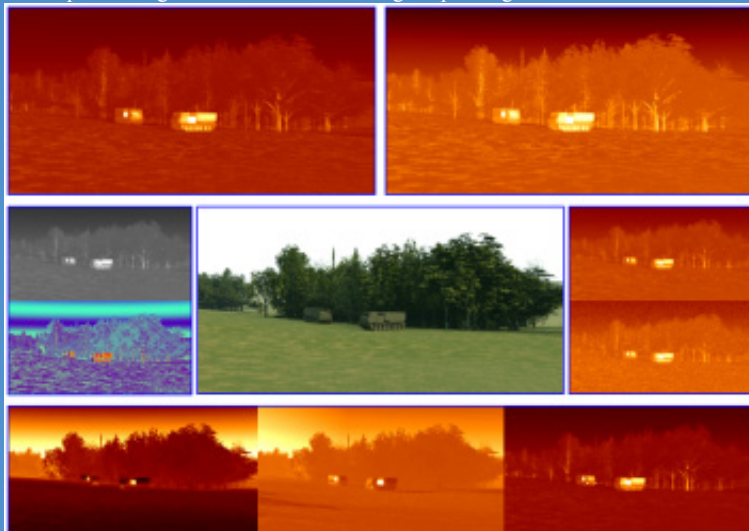
CameoSim is interfaced with RadTherm here to allow accurate
and high fidelity predictions of vehicle signatures in scenes.

What-if simulations to analyse all aspects of both survivability & detectability...



What-if simulations to analyse survivability

Two MLRS vehicles, shown in Visible, MWIR and LWIR, in a northern European background. Contrast can change depending on scenario or sensor...



What-if simulations to improve survivability (other things to consider include countermeasures, active-surfaces, exhausts effects, etc)

