

Precision. Power. Assurance.

Kinetic Warhead Solutions

Let Ascent help you bring the teeth to your tactical munitions solutions. Ascent expertise covers all elements of Warhead Science, Requirements Analysis, Engineering, Manufacture and Evaluation, with a demonstrated track record of facilitating the test and trial of new, novel, and unique explosive systems.

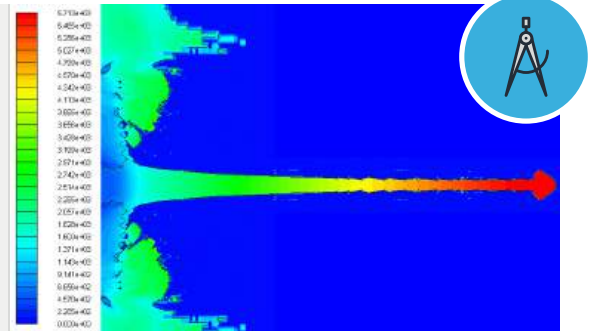


Realise your lethality advantage

Engineering & Design

From Initial Concept to Advanced Modelling

- Conceptual design, materials selection, and energetics modelling
- Advanced FEA & CFD simulations
- Design optimisation for lethality, terminal effects, weight, and safety



Prototyping & Fabrication

Rapid. Precise. Scalable.

- Additive and subtractive manufacturing techniques
- Custom energetics formulation to meet terminal effects requirements
- Full assembly and inert/mass simulant variants



Test & Evaluation

Rigorous Data. Real-World Performance.

- Static detonation trials
- Arena, penetration, and blast/impulse loading testing
- High-speed diagnostics & instrumentation
- Insensitive munition testing



S3 Certification

Safety. Suitability. Compliance.

- Safety and Suitability for Service (S3) testing and certification
- Documentation and evidence packs to ADF/Allied NATO requirements
- Liaison with Defence and national certification agencies



Contact us today



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