Arke specialises in tailored analysis and Decision Support processes. Our pragmatic analysis approach enables efficient and progressive identification of significant risks, ensuring subsequent work is focussed on the area of greatest need.

R&D Exploitation Engine: Systematically Bridging the Valley of Death

Futures Lab is developing an evidence-based decision support process and toolset (the Exploitation Engine) to identify where exploitation challenges are, informing planning and identifying where additional investment in interventions for R&D projects should be made.

The Exploitation Engine takes a holistic, pragmatic and systematic approach to identifying barriers, ensuring that the research is:

- Wanted, planned for and appropriate.
- Mature enough against the specific needs it is filling, and integrated with the wider environment.
- Value for Money, balancing cost against benefits to the Armed Forces and UK tax payer.
- Affordable, can be bought and supported, as part of a healthy industrial enterprise.

This builds pragmatic and realistic plans for overall activities and milestones, ensuring that the approach is tailored for the future needs of the capability as well as short-term exploitation goals. Best-practice activity is captured within an interventions catalogue – providing a self-learning facility.

The Engine will provide a systematic way of generating evidence around innovation spend, as well as highlighting critical challenges in the Exploitation Pipeline.