



Optioneering Capability Statement

Key decisions must often be made from a range of conflicting and vague information. DBD provide an approach and a set of tools that will help to decipher this information and present it in a clear, structured way.

The DBD Decision-making and Optioneering (D₂O) process is based on best practice selection process, incorporating the experience of the DBD Team, and is a systematic, rigorous, 12-step process. It is particularly powerful where:

- ✧ There is a high level of Stakeholder interest or influence.
- ✧ There may be conflicting requirements that need to be balanced.
- ✧ There is a need for independence (may be the same as first) where preference 'engineering' could be involved in the evaluation.

The team includes as a minimum a chairman, secretary, discussion leader, and one or more 'experts' to provide knowledge, clarification. Clients and stakeholders may be included within the team as required to input to the process.

Implementation of this process is supported by D₂O software tools which enable multiple evaluations to be undertaken with ease.

There may be occasions when the full 12 step process is not required. For these cases a reduced D₂O process may be applied, this would be used to carry-out a 'coarse selection' to eliminate some options but leave the most promising, for further development

What is the value of this Offering?

The process breaks the problem into manageable pieces to allow measurement and informed judgement to be taken into consideration, and then reassembles these pieces to present a coherent, overall picture to decision makers. The purpose is to serve as an aid to decision-making, but not to take the decision.

The process can be applied to investigate high-level strategy or to detailed technology selection, and all stages in between.

DBD have successfully undertaken many D₂O studies for a wide variety of Clients in both nuclear and non-nuclear sectors and can carry out the whole process on behalf of the Client or act as facilitators to support the Client's own team. Our approach allows us to assist the Client in reaching a decision whilst remaining independent and impartial, a valuable asset when presenting the outcome to Stakeholders.

The D₂O process gives:

- ✧ Consistency and rigour
- ✧ Transparency and auditability
- ✧ Stakeholder input and ownership
- ✧ A wide range of options to meet the Client's overall requirements

Examples of Outcomes

- ✎ The D₂O process reduced the complexity of a project/plant and led to options being identified that met the success criteria of the client while taking account of a variety of issues
- ✎ Agreement was reached on a number of changes to the previous baseline, offering cost and programme savings
- ✎ The identification of the potential to recover and recycle a significant proportion of the plant utility feed and so reduce the costs of fresh feed and the subsequent disposal costs.
- ✎ Reduced overall complexity of the assessment: The total combinations for assessment with just 30 tasks is in excess of 1 billion. This was eventually reduced to 6 different portfolios. A wide range of options were identified and screened as part of an initial review and those that were not considered viable were rejected with documented reasons. The Client's efforts and resources for the next stage could therefore be concentrated on the remaining options
- ✎ The recommended option and the identified technologies associated with it may be taken forward to the next stage of the project with a clear and reasoned justification for its selection