



WORKSHOPS FOR CONCEPTUAL DEVELOPMENT

At the very early stages of developing the overall scheme for an Oil & Gas field there are a potentially wide range of possibilities. Whilst it is possible to very quickly identify a workable scheme it is more difficult to have confidence that this is the right scheme(s) or even a "good" scheme. Most of the influences will require subjective judgments – and there will be always be the possibility that the real winning scheme has been missed altogether. There are no guarantees with any process involving creativity.

However much of the "black art" of conceiving that initial scheme can be captured and conditions set which are conducive to both creating and tracking the development of the schemes. These conditions are best set in the format of the Value Engineering workshops – but with an emphasis firmly on creativity and not measurement.

Much of the traditional conceptual work requires at least three steps of generating ideas, filtering via feasibility reviews and the refining via various topic studies. A dedicated and well-selected team can accelerate these – with workshops at the core of the decision making steps. BaronNet envision three such steps – with workshops run along similar lines but becoming more focused and defined as the scheme(s) are developed.

The Creative Workshop

At the very beginning the team has little more to go on other than the attributes of the Prospect. Therefore it is essential that the Client and Consultant assemble a team of wide experience embracing all potential facets of the development. The team and the facilitator would move through three initial steps

- Ideas generation – totally unrestrained deductive reasoning
- Review of key influences and screening on judgment of team members
- Selection and weighting into a main scheme with options.

At this level we would be dealing only with the major blocks of processing, structures etc which identifies the work which the team must then undertake to assemble the next level of information about the scheme(s). Subsequent to the workshop team members are actioned to better define the scheme options, costs, technical merits etc

Screening Workshop

Now the team (essentially the same as for the first workshop) will step through the potential scheme(s) but with the benefit of additional technical and cost data. The review objective is to select the most favorable scheme and identify the possible matrix of technical and cost acceptable solutions for further study.

Subsequent to this workshop the team will carry out studies aimed at the confirming technical feasibility, assessing uncertainties and risks, testing sensitivities and developing budget level cost estimates. The results of these are used to assess all of the key issues, develop the transformation factors and create a ranking of the various options. These then are assembled and used as input to the third workshop.

Review Workshop

In this, the schemes and options - with the technical and cost assessments, the rankings are subjected to the same three steps.

- Ideas, re-work the logic to look for missed opportunities and consider 'elements' within the blocks.
- Key influences and importance check ranking factors and quantify rankings.
- Selection and definition of the preferred scheme and its sub-options, identify uncertainties and actions

The output from this, is a technical and cost acceptable scheme , ready to start the full process / concept design with the full concept studies.