

FRAME N' GO WORKSHOPS

DECISION ANALYSIS WORKSHOPS

Are you facing a multitude of oilfield optimization decisions? Attend Decision Frameworks' unique decision analysis training course. You'll sharpen your asset management acumen by learning efficient decision framing and uncertainty analysis skills.

Because real learning comes from doing, the Frame n' Go course is a problem-framing and uncertainty analysis training course that combines a pragmatic mix of theory and application.

Decision Frameworks supplements the teaching of the decision analysis process with practical exercises using typical oilfield operational decisions. Example case studies include:

- Which artificial lift system should we use?
- What is the best well completion strategy?
- Should we repair or replace the pipeline?
- Should we fish? For how long? Or just re-drill now?
- Should we try a new fracture stimulation program?



Frame n' Go features a pragmatic mix of theory and application using day-to-day operational case studies.

Decision Hierarchy
© Copyright 2002-2006 Decision Frameworks Inc. All Rights Reserved.

Show Decision Triangle

Values/Objectives
The business unit is highly focused on increasing production rates. We will compare alternatives, initially, using incremental profit over a year.

Made Decisions/Givens
We can make funds available in the current budget.

Focus Decisions
Should we do the work ourselves or should we farm it out to a service company?
Should we do the gas lift optimization?
Is it worth doing on all wells? Or just some? Which?
Should we stimulate some wells?
Should ESP's be run on some?

Tactical Decisions
What fee structure should we use?

Complete the Strategy Table
Define a few distinctly different strategies.

Strategy	Rate Increase Technology	Wells on Which to Apply the Technology	Technology Provider	Objective	Rationale
<input checked="" type="checkbox"/> Whole Tarnak <input type="checkbox"/> Eliminate strategy	Gas lift optimization	Current low rate wells (500 bbls/d)	Big Oil internal resources	Maximize production	Oil prices are high, go for quick, maximum rate increase. Test proposal, as stated.
<input checked="" type="checkbox"/> Go It Alone <input type="checkbox"/> Eliminate strategy	ESP optimization	Current medium rate wells (2500 bbls/d)	Big Services	Maximize production, while minimizing capital by using internal resources	Avoid unnecessary service company fees and grow in-house skills
<input checked="" type="checkbox"/> Selective Gas Lift <input type="checkbox"/> Eliminate strategy	Well stimulation	Current high rate wells (5000 bbls/d)	Other third party service company	Efficient use of service company dollars	Expensive service, so use the money wisely

Incremental Profit per well in year 1 (\$)

Whole Tarnak (Service Company Model)

Go It Alone (In-House Model)

Selective Gas Lift (Service Company Model)

Learn to follow a structured problem framing process

Prescription for a Lifetime

At Decision Frameworks, we strongly believe that in order for decision skills to be improved, they must be practiced on a regular basis. Frequent and real-time use of decision analysis will improve day-to-day decisions and allow the process to take root and grow within your organization.

Frame n' Go Development Package

The complete training package combines the standard lectures and manuals with example case studies and state of the art problem - framing and analysis software, called DTrio®. The package helps attendees to make the transformation from merely being aware of decision analysis to becoming regular practitioners of it.

Course Outline

The three-day course follows Decision Frameworks' proven methodology of dividing instruction equally among framing, analysis and communication. The course curriculum includes coaching and practice in:

- Framing decision problems to agree with the appropriate focus and project alternatives.
- Assessing key project uncertainties to understand the range of potential project outcomes.
- Gaining insight from probabilistic analysis to develop new, hybrid strategies to consider.
- Communicating the problem set-up and analysis to ensure clarity and informed decision making with all the stakeholders.

Day 1 – This session introduces the decision analysis process and teaches the fundamentals of problem-framing and uncertainty analysis. Attendees see two complete case studies, one of which they work in small breakout groups.

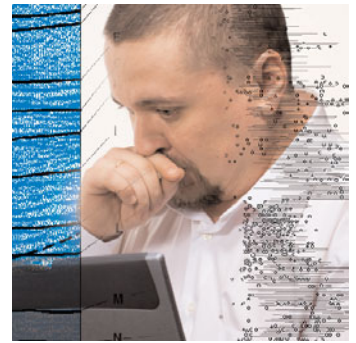
Day 2 – Participants learn about the natural biases that exist in uncertainty estimations and how to counter-act those biases through expert interviewing techniques and other, more advanced methods. Attendees work through another complete case study.

Day 3 – The focus on the last day is to mine the results of uncertainty analysis for insight to develop hybrid strategies and to communicate the problem frame and analysis results to stakeholders. Attendees hone their problem-framing skills by framing real decision problems in their breakout groups.

Contact Information

Sales@DecisionFrameworks.com

+1 713.647.9736



Provide a lifetime prescriptive approach to help the process develop roots and grow.

DTrio® is a registered trademark of Decision Frameworks