

Target Exploration

Energy Geosciences Research & Development



Announcing a New Target Exploration Course (TarC-15)

Value Engineering Techniques and Cost Reductions in Projects and Operations

Two Days Course: 21-22 November 2018

Venue: Somerset Hotel, Panorama Mall, Muscat, Oman

Instructor: Ali Al Lawati, Engineering Manager Petrogas EP Oman

Organizer: *Target Exploration Consultants, London, UK*

Course Objectives

Value Engineering has been developed for a long time, its techniques are well developed and can be easily utilized to understand any operation or a specific project in all sort of industries hence identifying different ways of performing same required functionalities. Integrating the new ideas with the identified value drivers for the operation or project will definitely increase the overall value of the project. The course is designed to enable operators and project teams frame the operations they conduct and or project, identify the value drivers, brain storm the ideas and consolidate the ideas in a way so that they are executed to improve the overall value.

Participants in this 2 days course will be able to apply skills learnt at a practical level to identify, analyse and develop value creating ideas. In addition to the development of staff, the organisation management should be able to understand the real operational and or project values. The management should be able to provide resources to realise identified ideas.

The course overall objective is create a sense of value drivers in their operations and or projects and enable them to run sessions in their teams with or without facilitator to identify and rank the value drivers, identify and consolidate value adding ideas via brain storm sessions. The participant shall grasp an understanding on the following objectives by end of the course:

- Opportunity framing and the statement
 - The Opportunity Statement
 - Objectives
 - Givens and boundaries
- Identifying key value drivers
- Value drivers ranking and setting targets (Goals)
- The principal of value engineering
- Overview on Value Engineering Process
 - Pre Meet
 - Model and paint the picture
 - Create
 - Select
 - Develop
 - Agree
 - Execute
- Techniques used
 - Paint the picture
 - Plot Plans
 - Process
 - Instrumentation and Safeguarding
 - Electrical
 - Civil
 - Health, Safety and Environment
 - Functional Modelling (How, Why and When)
 - Brain Storming Sessions
 - Sorting Techniques
 - Gut feeling index

- Championing
- Idea development and developing sheets
- Results Presentation

Who Should Attend?

This course is designed for Operational people, Project teams, Support Engineers, Middle managers, Technical people who are in to operations and surface facilities. The course will also be beneficial to anyone who, wants to run a value engineering workshop with an aim to improve any specific value driver or an overall operation or project value.

Pre-requests

Previous experience in operations or projects not seen necessary for this course as adequate guidance is given to participants during this programme through individual and group work. However, English language and a minimum of 2 years' experience in industry is preferred

Training Methodology

This programme is based on a systematic multi-disciplinary Group Work approach to enable participants to conduct and use value engineering techniques in identifying value improvement ideas, whether Technical, Economic, Commercial, Organisational or Political (TECOP), The training is also extended with group exercises to grasp various course modules and understand how to realize value engineering ideas.

Course Content

- Opportunity Framing
 - Opportunity Statement
 - Project Objectives
 - Project Context
 - Givens and Bounders
 - Critical success factors
- Introduction to Value Engineering
- Value Engineering Process
 - Pre Meet
 - Model and paint the picture
 - Create
 - Select
 - Develop
 - Agree
 - Execute
- Cost Reduction in Typical Field Operations (Practical Example)
 - Pre Meet

- Understanding Project Context and the statement
 - Objectives, Givens and Boundaries
 - Solutions attribute and Setting the goals
 - Identifying and Ranking Value Drivers
- Model and paint the picture
 - Building Functional Model
 - Paint the Picture
 - Plot Plans
 - Process
 - Instrumentation and Safeguarding
 - Electrical
 - Civil
 - Health, Safety and Environment
- Create
 - Brain storming techniques
- Select
 - Champion the ideas
 - Gut feeling Index
- Develop
 - Themes and groups
 - Sorting the ideas
 - Ideas Development
 - Current and proposed approach
 - Assumptions
 - Quantify the benefits
 - Attribute Score
 - Possibility of Success
 - Implementation cost
- Execute
 - Management Presentation
 - Execution plan

Participants Receives

- A. Course materials with up to date reference list
- B. Certificate of course Completion

Course Logistics

Venue: The Somerset Hotel, Panorama Mall. Muscat, Oman

Date: 21-22 November 2018

Timing: Course starts at 08:00 am and ends at 16:30 pm

Language: English

Format: 4 sessions of 1.5hr each and 2 Refreshments, 1 Lunch breaks/Day

Ideal No.: 20 Participants



Instructor: Ali Al-Lawati, Operation Excellence Manager, QHSSE Department, Petrogas EP. (Certified Lean practitioner and Certified facilitator by IAF)

2007-Present-Engineering Chief - Operation Manger – Engineering Manager, Petrogas EP, Muscat, Oman

Ali championed LEAN project on well delivery process realizing considerable value improvement and savings while building in-house expertise and influencing company culture. Set global processes in Petrogas businesses such as GP20 risk management, Technical authority while conducting value engineering and value improvement processes. Set competencies for engineering different disciplines and lead value assurance sessions to land on proper decisions for projects way forward. Managed full surface engineering, field operations and partially subsurface as operation manager for four years with an improved record of performance production, culture and human resource. Managed engineering department for Daleel (Petrogas affiliate) delivering number of projects meeting production forecast and within budget set.

2003-2007, Head of concepts - Capital to Value - Sr. Project engineer, Petroleum development of Oman (PDO), Muscat, Oman

Heading concept team for major PDO projects in northern PDO Concessions, Ali done a number of concept challenges and utilizing peer expertise. Exposed heavily to shell global processes in order to influence PDO engineers work methodologies. He was trained as a facilitator to run challenge and value improvement and assurance sessions (i.e. value engineering, opportunity framing, project health check, project reviews and value assurance reviews). Lead organizing team and facilitated engineering forum for > 200 PDO engineers.

1997-2003, Production and Project Engineer, Japex Oman Oil Company, Muscat and Field at Ibri (Daleel)

Delivered number of projects i.e. diesel generators installation, introducing GRE to the company, replacing of firefighting halon system, conducting water management study through consultant, overhauling main gas generators. Managing day to day maintenance and field requirement from technical aspect. Worked as superintendent for Daleel field managing production, company manpower in field and contractors on site.

1993-1997, Construction Engineer - Design Engineer - Flowline project engineer, Petroleum development of Oman (PDO), Muscat, Oman.

Worked as flow-line project engineering writing scopes, handling reporting, budget, flow-line contract, procurement, construction and commissioning. Worked as a design engineer in design office seconded from PDO. Worked in interior (Qarn Alam) as a construction engineer executing scopes awarded to contractors. Heavily exposed to actual material and HSE site issues.



Registration Form

Value Engineering Techniques and Cost Reductions in Projects and Operations: Two Days Course

Date: 21-22 November 2018 @ Somerset Hotel, Panorama Mall, Muscat, Oman

PERSONAL DETAILS

Delegate	Name	Position	Telephone	E Mail
1 st Delegate				
2 nd Delegate				
3 rd Delegate				
4 th Delegate				
5 th Delegate				

PAYMENT DETAILS

Registration fee for single participant is US\$ 2,500 (includes course materials, coffee and lunches). There is an escalating group registration discount, as in the table below:

Number of participants	Registration Fee in US\$/Participant
One to Five Participants (1 -5)	2,500.00
Six to Ten Participants (6 - 10)	2,250.00
> Ten Participants (> 10)	2,000.00

Course registration payments should be credited to Target Exploration Consultants bank account no later than 30 days before the date of the course. Payment receipt is a proof of course registration.

Bank Transfer: Send Bank Account Details of Target ECL to _____

Credit Card Payment:

VISA **AMERICAN EXPRESS** **MASTERCARD**

Credit Card No:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Expiry Date		Card Verification Code	
Cardholder		Cardholder Signature	
Date		Cardholder Address	
		Post Code	

To register, please fill and e-mail this registration form to: **Dr. Muhammad W. IBRAHIM**, Target Exploration Consultants. 65 Kenton Court, London W14 8NW, UK. **Tel:** +44 (207) 371 2240
Email: m.ibrahim@targetexploration.com **No refund for cancellation within 30 days of the course date**