

Managing Lost Time (MLT)TM

Drilling Optimization - Loss Avoidance Workshop (LAW)



⦿ Duration/Dates of Course

3 - 4 days (Classroom format)

⦿ Overview

This workshop offers action-packed discussions and exercises aimed at analyzing, investigating, and evaluating hazards that contribute to lost time within well operations. You will learn how to optimize resources and avoid loss in key areas of well operations.

⦿ Targeted Participants

This experience is suited to anyone in an onshore/offshore well operational or support role. The workshop training is an extension of loss control methods and principles developed in the 1960's in steel mills. This format was adapted by other industries e.g. Aviation, Automobile, Transportation, Railroads, and Maritime businesses. Learn how this has evolved and is applied in well operations.

⦿ Purpose

To create positive changes within individuals and organizations.

⦿ Goals and Objectives

From the loss/waste resulting, participants are then tasked to review the physical, paper and human evidence of the problem areas identified that 'go wrong'. The goal is to enable the participant to determine and evaluate both recommendations and corrective actions required.

The delivery objective to SEE, the step-change that can be achieved using MLTTM controls and metrics as outlined in the workshop.

The objectives of this workshop are to enable participants to:

- Recognize and analyze the true and evident extent of the physical 'loss and waste' that exists within well operations.
- Determine and evaluate what the benefits are by applying the 'knowledge and managing lost time' delivery approach can achieve.
- A primary objective is to change the way people approach challenges, using the MLT methods and metrics.

SAFE = The control of loss

EFFECTIVE = Do the right things

EFFICIENT = Get it right first time, every time

Using adult learning methods, this workshop enables participants through the use of selective MLTTM principles, practices, tools, and metrics to apply and integrate these within existing management systems and daily work. These principles of loss control 'Instructions, Standards, Measurements, Evaluation and Success' methods offer a more targeted focus than existing managed systems. Participants are actively encouraged to share personal operational damage, failure and lost time events and experiences, and to learn from both recommendations and corrective actions that resulted.

Note: 50% loss/waste is considered the current standard well norm

⦿ Course Take Away

Participants are encouraged to SEE change in people's approach:

- Through the integration of MLT and loss control standards into existing management systems within the workplace.
- By broadening knowledge and understanding of MLT and loss control principles to be applied.
- Enhanced ability to 'Instruct, Standardise, Measure, Evaluate, and Succeed' in regards to all well's operational hazards, risks and loss time exposure within the workplace.
- To change people through the application and development of MLT and loss control leadership skills required in the management and control of today's complex wells.

“When people change anything is possible”

Workshop Schedule; Managing Lost Time (MLT)TM

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Day 1: Labelling Well Problems

08:30 - 09:00	Registration and Welcome Coffee & Tea
09:00 - 10:00	Workshop purpose, introductions Group exercise: Establish individual goals & objectives
10:00 - 10:15	Coffee Break and Discussions
10:15 - 11:15	1.1 Optimising (loss control) within well's operations Ice breaker , group discussion and exercise
11:15 - 11:30	Coffee Break and Discussions
11:30 - 12:30	1.2 Well hazards, risks and 'problem' avoidance Group exercise; Well's hazards and risks
12:30 - 13:30	Lunch
13:30 - 15:00	Work group WG1: hazards and risks workgroup exercise Labelling, prioritising problems, associating risks, begin to work mitigations
15:00 - 15:15	Coffee Break and Discussions
15:15 - 16:00	Work group WG1: Complete workgroup exercise
16:00 - 16:30	Group close out, debrief of day 1.

Day 2: Well Problem Solving Opportunities

08:30 - 09:00	Review, Revisit goals and objectives
09:30 - 10:00	2.1 Managing loss/waste, metrics and controls well projects <i>Including workgroup discussion</i>
10:00 - 10:15	Coffee Break and Discussions
10:15 - 12:30	Work group WG2; Loss control 'recognition, analysis' Group study using customers' existing data or case study data provided
12:30 - 13:30	Lunch
13:30 - 14:30	Work group WG2; Recognition, analysis work group exercise
14:30 - 15:00	Work group 2: Summary and close out discussion
15:00 - 15:15	Coffee Break and Discussions
15:15 - 16:15	Work group WG3: Loss control identification, determination and evaluation Groups will use findings from previous session to now identify prevention/change opportunities areas for loss/waste reduction or elimination
16:15 - 16:30	Work group WG3: Complete workgroup exercise

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Day 3: How to operate loss/waste free wells

08:30 - 09:30	Review, Revisit goals and objectives
08:30 - 09:00	3.1 Well planning, design and operational 'Physics, People, Plant, Process, Productivity/Loss and Well Integrity' assurance <i>Inclusive of class discussion</i>
10:00 - 10:15	Coffee Break and Discussions
10:15 - 11:15	3.2 Wells plant (rigs), systems and equipment systems <i>Inclusive of workgroup exercise</i>
11:15 - 11:30	Coffee Break and Discussions
11:30 - 12:30	Work group WG4: Optimising well hazards/risks <i>Case studies to be provided by participants or handed out in this session.</i>
12:30 - 13:30	Lunch
13:30 - 14:00	Work group WG4: Summary and close out discussion
14:00 - 14:45	3.3 Managing 'lost time' optimal delivery assurance <i>Includes an individual exercise</i>
14:45 - 15:00	Coffee Break and Discussions
15:00 - 16:15	Work group WG5: How to reduce loss in well operations <i>Exercise to discuss how to reduce loss/waste in well operations</i>
16:15 - 16:30	Work group WG5: Summary and close out discussion

Day 4: How to learn from well failures

08:30 - 09:00	Review, Revisit goals and objectives
09:00 - 09:45	4.1 How to SEE the difference in well operations - enhance 'Safety, Efficiency and Effectiveness <i>Managing lost time "MLTTM" and the 5 elements of success</i> Work group WG6: 5 MLT methods to deliver wells success
09:45 - 10:30	<i>Using data and findings developed from day 1-3, MLT methods will now be applied to conclude how to reduce 'loss and waste' in future well projects</i>
10:30 - 10:45	Coffee Break and Discussions
10:45 - 12:00	Work group WG6: 5 MLT methods to deliver wells success workgroup continued
12:00 - 12:30	Work group 6: Summary and close out discussion
12:30 - 13:30	Lunch
13:30 - 14:15	How to investigate, translate and sustain learning 4.2 How to investigate, translate and sustain learning for "things that go wrong" in well projects <i>Introducing "Latent cause analysis" LCATM methodology</i>
14:15 - 15:00	Work group WG7: Latent cause analysis (case study exercise) <i>Introduction group exercise of how to learn from "everything that goes wrong"</i>
15:00 - 15:15	Coffee Break and Discussions
15:15 - 16:00	Work group WG7: Summary and close out exercise