



**EDUARDO CALIXTO**  
— CONSULTANT —

<b>Training Program</b>	<b>: ASSET INTEGRITY MANAGEMENT</b>
<b>Discipline</b>	<b>: RELIABILITY, MAINTENANCE AND SAFETY ENGINEERING</b>
<b>System</b>	<b>: OIL AND GAS ASSETS (REFINERY PLANTS, SUBSEA, DRILL AND PLATFORM)</b>
<b>Subsystem</b>	<b>: Refinery and Platform equipment</b>
<b>Training Focus</b>	<b>: Asset Integrity Management Concept and application</b>
<b>Lesson Code</b>	<b>: 102</b>
<b>Lesson Title</b>	<b>: ISO 55000, Asset Integrity KP3 program, Asset management, Asset Integrity Management, KPI's, Inspection register, Maintenance register, Risk Management Program, Reliability &amp; Maintenance program, Human factors concepts and application.</b>
<b>Training Elements</b>	<b>: ISO 55000, Asset Integrity KP3 program, Asset management, Asset Integrity Management, KPI's, Inspection register, Maintenance register, Risk Management Program, Reliability &amp; Maintenance program, Human factors concepts and application.</b>

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**Training Objectives:**

- To understand the Asset management concept as basic of asset integrity achievement.
- To understand the Risk Management concept as basic of safe integrity asset performance achievement.
- To understand the Reliability and Maintenance concept as basic of safe integrity asset performance achievement.
- To understand the Human factor concept as basic of safe integrity asset performance achievement.
- To understand the Risk analysis methods applied to different asset life cycle phases.
- To understand the Reliability and maintenance methods applied to different asset life cycle phases.
- To understand the Human reliability methods applied to different asset life cycle phases.
- To understand qualitative risk methods to identify hazards.
- To understand qualitative and quantitative risk methods to assess and evaluate the risk.
- To understand different reliability and maintenance methods to achieve and maintain the asset integrity performance.
- To apply different human reliability methods to avoid asset integrity degradation.
- To integrate Risk management, Reliability, maintenance and human factor achieve high asset integrity performance.
- To implement asset integrity management based on Integrity PRO SaaS solution.



## Training Schedule

Day 1:

Subject	Activity	Time	Resources
Welcome and Introduction of participants and trainer, scope of training.	Theoretical	30 min	Forms & PPT
Asset management concept	Theoretical	30 min	PPT
Concept of PAS 55 and ISO 5000 standards and KP3 program	Theoretical	60 min	PPT
Asset Integrity Management concepts.	Theoretical	60 min	Weibul Software & PPT
Asset performance KPI's for different organizational levels.	Theoretical	60 min	Integrity PRO Saas Software & PPT
<b>Lunch Break: 12:30 – 14:00 hrs.</b>			
Risk Management program	Theoretical	120 min	PPT
Reliability & Maintenance program	Theoretical	60 min	PPT
Human factor assessment	Theoretical	60 min	PPT

Day 2:

Subject	Activity	Time	Resources
Asset Integrity Management Policy and golden rules	Theoretical	30 min	PPT
Asset Integrity Management Process	Theoretical	30 min	PPT
FRACAS for corrective maintenance register	Theoretical	30 min	PPT
Risk classification	Theoretical	30 min	PPT
Preventive Maintenance register	Theoretical	30 min	PPT
Inspection Register	Theoretical	30 min	PPT
Routine management for asset Integrity management.	Theoretical	30 min	PPT
Lessons learned as the basis of organizational learning	Theoretical	30 min	PPT
<b>Lunch Break: 12:30 – 14:00 hrs.</b>			
Team management	Theoretical	30 min	PPT
Asset Integrity Management Report and Results	Theoretical	30 min	PPT
Asset Integrity management, audit and evaluation process based on ISO 55000 standard	Practical	60 min	Excel template
Case studies and exercises in Integrity PRO.	Practical	120 min	Integrity PRO