Training Program	:	**ASSET MANAGEMENT FOR PROCESS INDUSTRY**
Discipline	:	**RELIABILITY & MAINTENANCE ENGINEERING**
System	:	**PROCESS PLANT, UTILITIES PLANT AND EQUIPMENT**
Equipment	:	**Compressors, Pumps, Valves, others**
Training Focus	:	**Asset Management Concept and application**
Lesson Code	:	**101**
Lesson Title	:	**ISO 55000 concepts, Asset management, KPI´s, FRACAS, Reliability 4.0, Maintenance Management concepts and application, Prognostic health Management concepts and application, Support programs (Reliability and, Maintenance), Asset Integrity Management Concepts, Asset management Process and Practical cases in the software Integrity PRO.**
Training Elements	:	PAS 55 and ISO 55000 Concept, Reliability and Maintenance program, maintenance Management, Prognostic Health Management, Asset Integrity Program, Asset Management elements, Asset Management Process and Asset management practical exercise in Software (Integrity PRO).

Training Objectives:

- To understand the Asset management concept as the basis for high performance achievement.
- To understand the concept of PAS 55 and ISO 55000 standards.
- To understand the Reliability & Maintenance concept as basic of asset performance achievement.
- To understand the importance of Reliability programs as part of the asset management.
- To understand the asset integrity management program as part of asset management.
- To understand the asset performance index in different organizational levels.
- To understand the asset management, audit and evaluation process based on ISO 55000 standard.
- To understand the FRACAS concept as basic of data collection and failures assessment.
- To understand the Reliability 4.0 concepts
- To understand the concepts of Prognostic Health Management concept and example based on software ARULE.
- To understand the preventive actions risk evaluation to prioritize the most important actions.
- To understand the maintenance Management and steps such as Maintenance plan and maintenance work order concept
- To understand the routine management as part of asset management
- To implement asset management based on Integrity PRO SaaS solution.

Day 1:

Subject	Activity	Time	Resources
Module 1 - Welcome and Introduction of participants and trainer, scope of training.	Theoretical	30 min	Forms & PPT
Module 2 - Asset management concept	Theoretical	30 min	PPT
Module 3 - Concept of PAS 55 and ISO 55000 standards	Theoretical	60 min	PPT
Module 4 - Asset performance KPI´s for different organizational levels.	Theoretical	60 min	PPT
Module 5 - Reliability & Maintenance Engineering program	Theoretical	60 min	PPT
Lunch Break: 1 hour			
Module 5 - Reliability & Maintenance Engineering program	Theoretical	60 min	PPT
Module 6 – Asset Integrity Management Program	Theoretical	120 min	PPT
Module 7 – Prognostic Health Management and applications based on ARULE software solution	Theoretical	60	PPT and ARULE Software demonstration

Day 2:

Subject	Activity	Time	Resources
Module 08 - Maintenance Management concepts and application (CMMS)	Theoretical	60 min	PPT and Aladdin Software demonstration
Module 09 – Asset Management Process	Theoretical	30 min	PPT and Integrity PRO
Module 10 – FRACAS and Reliability 4.0	Theoretical	30 min	PPT and Integrity PRO
Module 11 – Operational Risk and criticality Assessment.	Theoretical	30 min	PPT and Integrity PRO
Module 12 – Inspection, Preventive Maintenance and corrective Maintenance register	Theoretical	60 min	PPT and Integrity PRO
Module 13 - Routine management for Asset Management.	Theoretical	30 min	PPT and Integrity PRO
Lunch Break: 1 hour			
Module 14 - Lessons learned, Team Management and Leadership	Theoretical	30 min	PPT and Integrity PRO
Module 15 - Asset management Report and Results	Practical	30 min	PPT and Integrity PRO
Module 16 - Asset management, audit and evaluation process based on ISO 55000 standard	Practical	30 min	Excel template
Module 16 - Case studies and exercises in Integrity PRO.	Practical	180 min	Integrity PRO exercises