**Key Performance Safety Indicators - A Structured Methodology**

*What you do not measure can not improve*; Measure to learn; Measure to fix

**Lead Indicator**
- Measure the effectiveness of proactive activities and programs that aim to prevent future incidents and improve safety

**Lag Indicator**
- Measures the unaddressed gap turned into undesired outcome

**Success depends on the organisation**
- Identify the proactive indicators
- Monitor at specific intervals to ensure continual improvement

**Challenges**
- Complacency in ensuring the efficacy
- A vigil and monitor the appropriateness

**A Sample KPI for MI Program**
- Number of trips due to failure of MI
- Number of temporary repairs (deferred maintenance items currently in service)
- Number of IOWs deviated
- Average number of bypassed interlocks
- Number of PRD / PRV / PSV actuation
- Number of alarms disabled

**Process safety metrics Bench Mark References** - CCPS, IOGP.