



Process Risk Management

The Operational Sustainability, LLC® (OS) **OESuite™ Process Risk Management (PRM) Module** is a comprehensive solution for assessing and managing risk while staying below acceptable risk thresholds. PRM enables users to evolve the level of risk assessment applied (e.g., HAZOP, Human Factors, Facility Siting, What-If, HAZID, FMEA, FMECA, JSA, and LOPA). Information from HAZOP is available for LOPA automatically based on risk-level filtering.

Users can quickly re-validate previous hazard reviews without recopying any records. In addition OESuite offers smart Process Hazard Analyses (PHA), cutting study time in half while greatly enhancing the quality of the study. Clients who license **OESuite Management of Change (MOC), Incident Management** and **Alarm Management Modules** can enable this smart PHA capability. Need to work in remote areas? OESuite offers an offline PHA capability with synchronization back to the system.

Once the risk assessment is complete, recommendations can be managed in our **MOC, Corrective Action (CAPA), Compliance / Task Manager,** and **Work Management Modules**. Users can also add simple action items within PRM. OESuite supports conducting of risk assessments (PHAs) within the **MOC Module**.

Clients can leverage the LOPA functionality to take credit for independent protective functions that sync with the visualization module to ensure that you have the proper level of engineering and administrative safeguards while assessing changes to threats in real-time. PRM is a comprehensive risk management solution that allows users to create their own risk ranking matrix, while incorporating customized content (e.g., HAZOP guidewords, human factors checklists, facility siting checklists). PRM is part of the Operational Sustainability safety lifecycle management that includes integration with engineered safeguards (**Safety Instrumented Systems**) and **Alarm Manager**.

The screenshot displays the OESuite Process Risk Management interface. The top section shows study details for 'HAZOP/LOPA Study for Unit 1 (Node 1-5)'. Below this is a table of deviations with columns for Deviation #, Deviation, Cause, Component, Damage Mechanism, Consequence, Cat, S, UL, UR, ML, MR, Notes, and IsIgnored. A risk matrix is also visible, showing Likelihood (L) on the y-axis and Severity (S) on the x-axis. The matrix cells are color-coded from green (low risk) to red (high risk).

Likelihood (L)	Description	Severity (S)				
		Incidental	Minor	Moderate	Major	Catastrophic
Likely	Consequence can reasonably be expected to occur in life of facility	6	5	4	3	2
Occasional	Conditions may allow the consequence to occur at the facility during its lifetime, or the event has occurred within the Business Unit	7	6	5	4	3
Infrequent	Exceptional conditions may allow consequence to occur within the facility lifetime, or has occurred within the OPEC	8	7	6	5	4
Unlikely	Reasonable to expect that the consequence will not occur at this facility. Has occurred several times in industry, but not in OPEC	9	8	7	6	5
Remote	Has occurred once or twice within industry	10	9	8	7	6
Rare	Rare or unrepeat of	10	10	9	8	7

For more information email us at info@DrivingOE.com or call (713) 355-2900.