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Occupational Safety and Health Management System is one of the critical factors whose successful execution confirms operational safety in upstream, midstream and downstream segments of Oil and Gas industry.

Following key components should be encompassed in an active occupational Safety and Health Management System:

Sl. No	OSHMS Components	Requirements
1	Health and Safety Plan	Oil and Gas Company's vision and approach towards Health and Safety
2	Administration	Organizational hierarchy Key details of persons responsible for managing health and safety plans
3	Work Area Management	Proper demarcation and management of workplace according to processes, activities, design, etc. Worksite inspections Implementation of best practices and lessons learned from the past experiences at workplace
4	H&S Risk Management	Set of systems and processes for managing Health & Safety risks Job Hazard analysis Hazard ranking/risk matrix Corrective action plans Risk control levels analysis
5	Inventory Management	Maintenance of hazardous substance database
6	Task and Workflow Management	Calendar management Role assignments - Involving and informing workers, safety officers and others about their roles and responsibilities, allocated tasks, etc. Automated notifications
7	H&S Maintenance Systems	Performance and monitoring of H&S activities and corrective action as needed
8	Incident Management	Recording, processing, investigation, reporting and root cause analysis of any reported incident/accident/near miss/safety observations

9	Occupational Health Management	Health protocols Medical appointments Injury/Illness management Drug, alcohol and other medical testing
10	Management of Change	Identification of new hazards Introduction of new equipment Process change New regulatory requirements
11	Emergency Response Plan	Disaster management/Emergency response plan for all the potential predicaments based on predictive risk analysis Alarm system
12	Compliance Management	Comply with the obligations under pertinent local/national/global H&S regulations
13	Competency Management	Track capabilities/skills of workforce Trainings for employees, contractors and visitors Assessments
14	Content Management	Management of SOP, SDS, Health and safety documents
15	Contractor Management	Managing and coordinating activities of contractors
16	Rehabilitation Management	Tracks number of compensation days, rehabilitation information of workers
17	Statistics, Reporting and Dashboard	Relevant report generation from health and safety data Interactive dashboards for higher management view and decision making
18	Audit and Review	Audit and review programs to check and improve the effectiveness of implemented Safety and Health Management System





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## About the Author

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Neha Chauhan is a SAP EHS Consultant in the HSSE Practice of Energy and Utilities Vertical at Wipro Technologies. She has around five years of industrial and research experience, with a specialization in Environment Health and Safety Management, Regulatory Compliance and Toxicological Risk Assessments. She has given Solution Consulting to various Chemical and Oil and Gas companies for their Health & Safety and Compliance Requirements.

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