



Operational Excellence Services

Operation

Operations Readiness & Assurance (OR&A)



Contact Us

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Operations Readiness & Assurance (OR&A)

Do you have any of these issues?

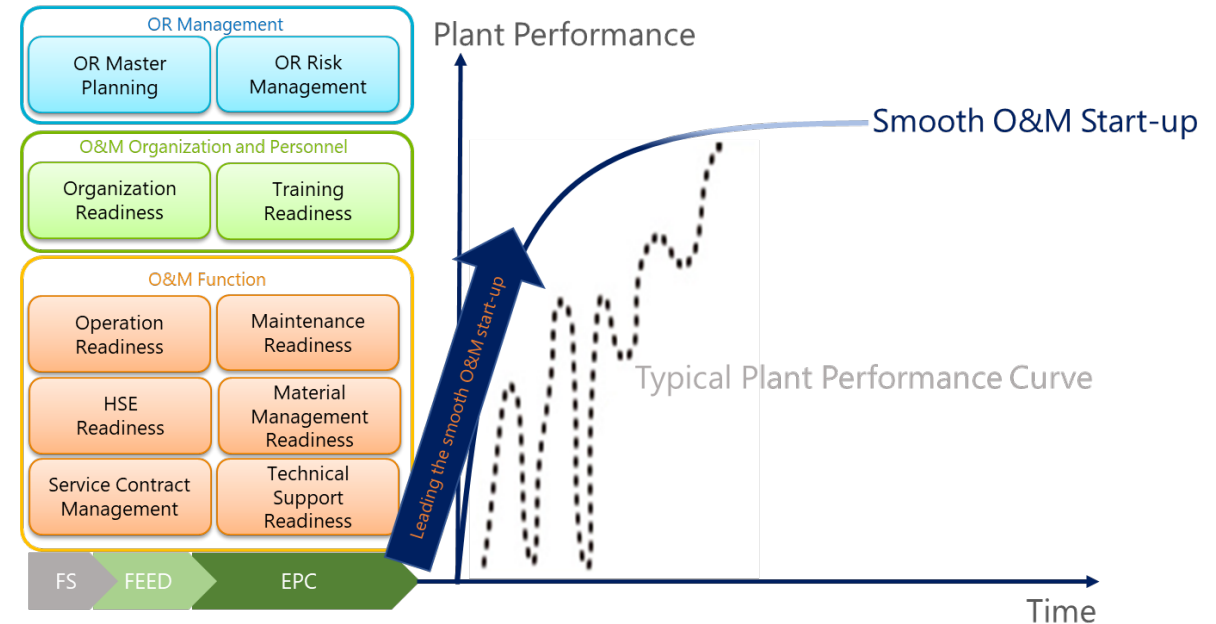
- ☹️ **Concern of safe and smooth startup of O&M**
- ☹️ **High total cost of ownership**
- ☹️ **Potential areas of concerns and its mitigations in OR^(*)**

OR&A Solution

- Execute OR&A program for all OR key components of facilities^(**) by expert team
- Assess OR plan and progress and reporting with findings and mitigations
- Follow up prioritized mitigation actions to reduce OR risk and to minimize the facility total cost of ownership

^(*)OR : Operations Readiness

^(**)facilities : Onshore and offshore O&G plant, chemical plant etc.



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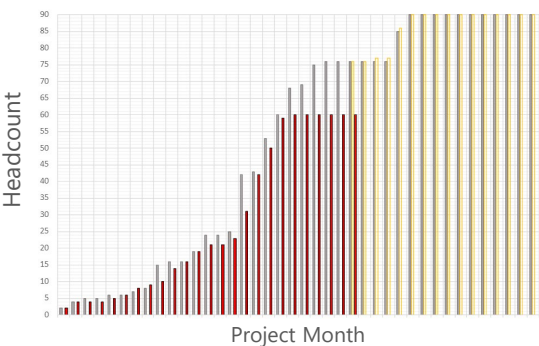
Workflow & Result

A) OR&A Planning Phase

1. Verification of overall OR schedule
2. Define OR elements
3. Establish OR progress and KPI tracking system

B) Assurance Phase

1. Monitor OR activities
2. Assess the progress and risk for OR activities (Health Check)
3. Report and follow up mitigation actions



Recruiting Progress Tracking

OR Components	Business Processes	Status	Plan	Forecast	Actual
Organization Readiness	Recruiting for O&M personnel	Completed	🟢	🟢	🟢
Training Readiness	Competency Assessment	Completed	🟡	🟢	🟢
HSE Readiness	PTW	Completed	🟢	🟢	🟡
HSE Readiness	LOTO	In progress	🟢	🟡	
HSE Readiness	Emergency Response	In progress	🟢	🟡	
HSE Readiness	Spill Prevention	In progress	🟡	🟢	
HSE Readiness	Waste Management Plan	Not Started	🔴	🟢	
Operation Readiness	Production Reporting	Not Started	🔴	🟡	
Operation Readiness	Laboratry Analysis	In progress	🟢	🟢	
Operation Readiness	Crew Change	Completed			🟢
Maintenance Readiness	Maintenance Management (Work Process)	Not Started	🟡	🟢	

Business Process Progress Tracking

Sample Progress and KPI tracking system

Our Strengths

- Standardized OR&A program based on FLNG project
- Expert O&M engineers with experiences in operating companies
- Utilization of global project management experiences from over 20,000 FEED and EPC projects

Our Experiences

- OR&A program execution for FLNG O&M
- Operations audit for FPSO in West Africa
- O&M and Training readiness planning and execution for various EPC projects