

PMOسرمایه گذار کارکرد PMOدر شرکتهای E&P

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Reference & Background







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Reference & Background

实战锤炼, 锻造能征善战的国际化队伍









1

 20 years of experiences in Oil, gas and energy sector in Business development, and Project Management





BSc. Industrial Engineering, IUST, Iran



MSc. Technology Management, Allame University, Iran



MSc. Oil & Gas Enterprise Management, Aberdeen, UK



Project Management Professional certified, PMI, USA





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Introduction — Emerging era's in project management

Governance, permanent organization and project organization

Classical Vs. non-classical project management

Strategic project management



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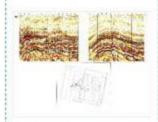
Introduction – Typical E&P project

Discovery

Appraisal

Mapping of Reserve Location

- · Concession Agreement
- · Geological and Seismic Studies
- Exploratory Wells
- Production Tests
- · Oil Presence Confirmation

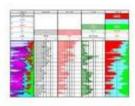


Reservoir Sizing and Simulator

- Appraisal/Delineation Wells.
- · Reservoir Studies
- · Reservoir Modelling

Exploration (5-10 years)

- · Preliminary Development Plan
- Environmental Impact Analysis
- Feasibility Studies



Production Installations Design and Construction

Field Design:

- Wells location and design
- Surface network and facilities design
- Well placement design
- EIA and Economics risk assessment Field Operation:
- Well Drilling Schedule
- Rig Fleet Size and Mix/Scheduling
- Flow Scheduling
- Offshore Support Vessels Scheduling
- Field Construction:
- Procurements
- **Facilities Fabrication**
- Facilities Installation
- Well Construction
- Well Drilling
- Well Completion



Oil and Gas Production

Production (10-30 years)

- Reservoir Management
- Well tests and inspection
- **Production Optimization**
- Workover Rig Scheduling
- Wells Interventions



Abandonment

Explored Site Restauration

Well Plug & Abandonment:

- Rigs and offshore vessels
- Plant Removal

Environmental Restoration



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Objective

To Present interface and Major Concerns in PMO and O&PMO



Opportunity and Project

Opportunity In the context of the E&P sector is a newly conceived possibility for creating wealth.

project starts immediately an opportunity is identified and a group of people is established to realize Opportunity



PMO Major Principles

Strategic support

Project Services

Process, Methods, Tools

Resource Management

Training, Coaching



Opportunity Realization Principles

Value Focused

Full Lifecycle

Decision Driven

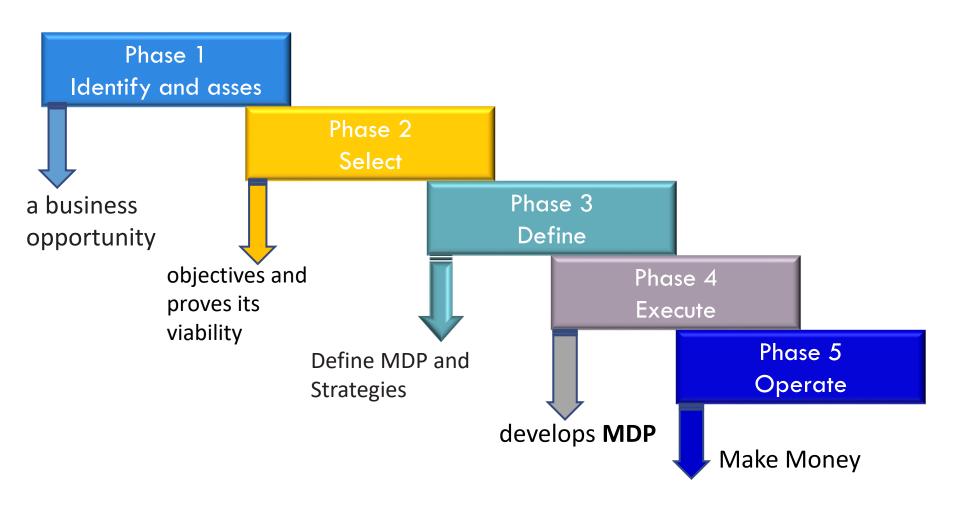
Team Based

Consistency

Lesson Learned



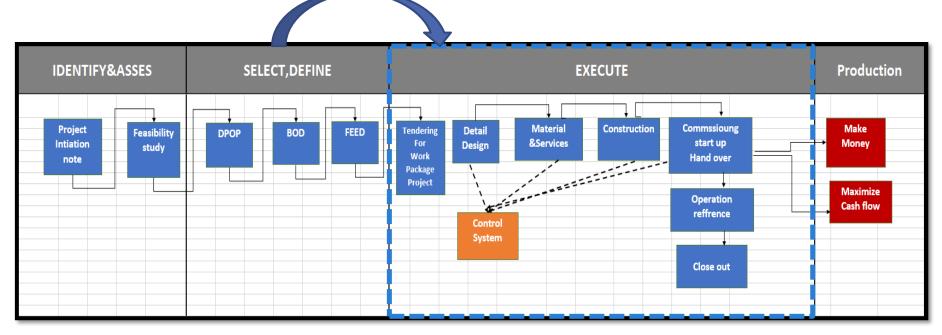
Opportunity Realization Process





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Oil Filed Development Plan Development PROGRAM



WORK PACKAGES PROJECTS based on Strategy 2nd Conference of Project Management Office www.pmoc.aryanapm.com



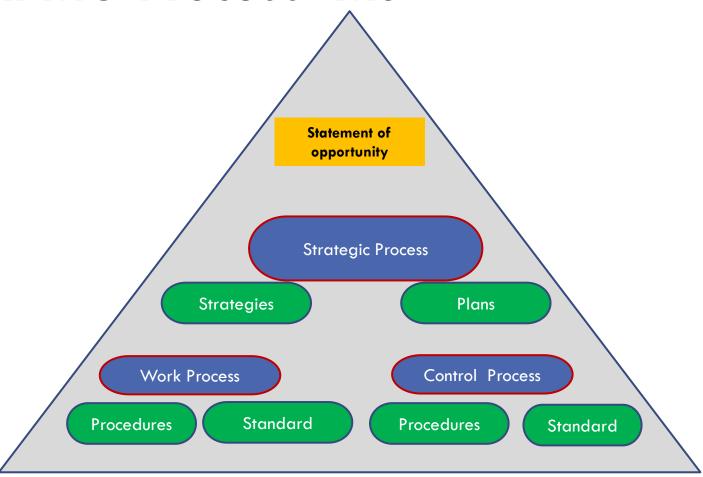
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O&PMO Model O&PMO **Strategic Objective Operational Goals** Contracting strategy .Financial **Contract obligation Performance** (returnee on investment), **Project Management** Planning, Organizing, Managing, Leading, Controlling Work package Work package Work package Based on N Contracting Strategy WP Project team



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O&PMO Process-IMS



Strategic

Process



Work

Process

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Strategic & Work Process Categories

Risk Management

Strategy formation

Improvement

Finance

People

Detail design

Procurement

Construction

Supervision

Logistic

Commissioning



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Control Process Categories

Work Planning

Cost Management

Contracting & Procurement(C&P)

Quality

HSE

Information Management

Change Management

Reporting & Analysis

Audit & Review

Control Process



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Risk& Opportunity in OPMO

Technical

Economic

Commercial

Organizational

Political-Socetial

TECOP Model



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Major Risks

Risks	Impact	Mitigation plan
High uncertainty in E&P Project	Schedule Cost	Precise Risk assessment in Identify and asses Phase
Long Tendering Process	Schedule Cost	FEL, Projects SOW Tendering Process
Select wrong winner	Schedule Cost Quality	Contracting & Procurement Process
Poor Local Service Provider	Schedule Cost Quality	Strategy Contracting & Procurement Supervision

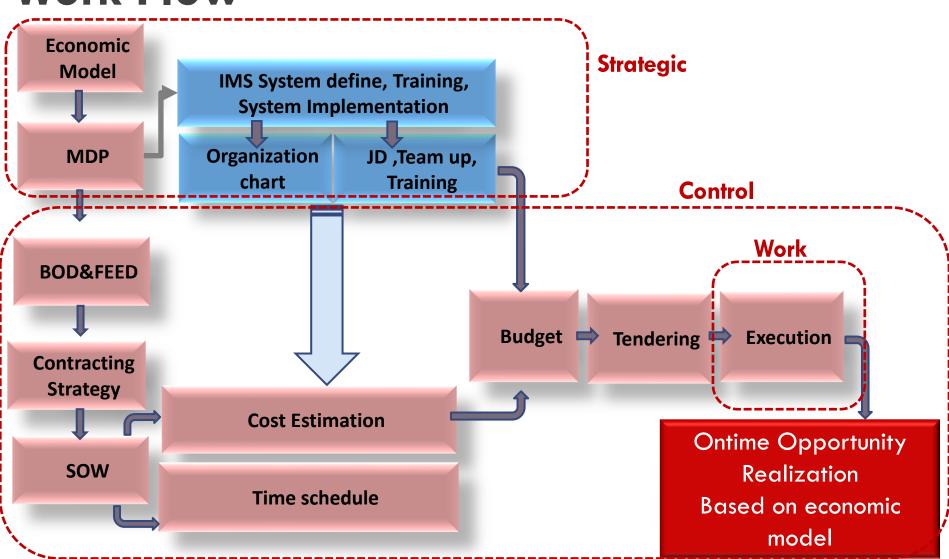
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Work Flow



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Conclusion- for having efficient O&PM

Clear Strategy and Objective

IMS to define before implement before execution start

Clear Work frame, RACI and Level of Authority

Org chart and recruiting

Communication Management Regular report, meetings,...

Management commitment to IMS and Targets

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Thank you!