



Quality
is not an act,
it is a **habit.**
Aristotle

2024 UPSTREAM TRAINING PROGRAMS



Message from the CEO



Today, the world is in a new era of energy transition and most countries are facing numerous challenges in adopting and implementing a new emerging economy, i.e., a "green economy". We all know very well that behind every challenge there can also be an opportunity. Among the existing challenges, two major global challenges represent an opportunity for those involved in training and development namely the shortage of skilled workers and the limited focus

on local technology development. Training providers can help policymakers and all those involved in the green economy by identifying and presenting all the "black boxes", potential risks, and opportunities.

We all know that behind every development is a competent workforce. We will not be successful if we do not focus on and implement holistic HR planning. At MAT Group, we believe that as a training provider, we can play an important role in the development of the green economy by designing and implementing effective training programs to improve the knowledge and skills of the workforce for this industry.

The MAT Group brings together current and industry-requested programs that are implemented through the use of international experts with extensive experience in the oil, gas and petrochemical industries.

I invite you to take advantage of our 2024 Upstream training calendar to improve and continue to build your company's value and expertise. MAT Group looks forward to assisting with challenges in the industry as a leader in "Workforce Development" solutions. Our consulting team can help you build and implement effective projects, while our specialized training programs improve your team's knowledge to better gain your goals. Please visit our website www.matgroup.org and contact us at training@matgroup.org for additional information.

Sincerely Yours,

Ali Amidi

CEO at MAT Group Ltd.

COVER IMAGE:



Iran, Semnan Province, Garmsar Mountains

WHY MAT GROUP

MAT Group values its business relationships and constantly strives to improve specialized innovative and essential training and consultations to assist oil and gas experts in these challenging economic times.

Our goal is to constantly offer the highest professional and educational standard of world-class training. MAT Group employees and agents pay attention to every small detail so that our clients training expectations and needs are continually surpassed.

We are able to help companies develop their workforce for future business challenges achieve business goals, enhance effectiveness, achieve compliance, mitigate risk, and improve operations. Since 2007 MAT Group has been focused on consistent, high quality learning and development for the oil and gas industry.

We have grown from a hand full of instructors and workbook developers, to a global company with comprehensive learning solutions and workforce development expertise, able to address all segments of the industry-from exploration and production, to processing, pipelines, refining and production, to processing, pipelines, refining, petrochemicals, water and power industries HSE and shipping and marine Industries.

Consulting Solutions:

- ✓ Active Industry Partner
- ✓ Design Technical Courses Based on Customer's Needs
- ✓ Senior Level Management Training Programs
- ✓ Competence Training Programs
- ✓ Corrosion Studies of Upstream Facilities
- ✓ Due Diligence and Feasibility Studies of Renewable and Hydrogen Projects
- ✓ Reservoir Simulation



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MAT Group Online Training Programs



Benefits:

- ✓ To allow participants to receive comprehensive training and individualized attention from top international instructors.
- ✓ Excellent solution to training needs with limited budgets.
- ✓ Using our resources, we can develop customized training programs in accordance with your needs while incorporating your company's data into the curriculum.
- ✓ These courses are catered to your internal employees and held anywhere you need training.
- ✓ Omitted travel time

Book your training programs through: www.matgroup.org or training@matgroup.org

2024 UPSTREAM TRAINING PROGRAMS

GEOLOGY

CODE	COURSE TOPICS	DURATION	VENUE	DATE
G01	Basic Petroleum Geology	5 DAY	Tehran	T.B.A
G02	Development Geology	5 DAY	Tehran	T.B.A
G03	Carbonate Reservoir	5 DAY	Kish Island	T.B.A
G04	Integrated Carbonate Reservoir Characterization	5 DAY	Dubai	T.B.A
G05	Mapping Subsurface Structure	5 DAY	Kish Island	T.B.A
G06	Naturally Fractured Reservoirs: Geologic and Engineering Analysis	5 DAY	Kish Island	T.B.A
G07	Operation Geology	5 DAY	Kish Island	T.B.A
G08	Advanced Reservoir Geology	5 DAY	Tehran	T.B.A
G09	Applied Subsurface Geological Mapping	5 DAY	Dubai	T.B.A

GEOPHYSICS

CODE	COURSE TOPICS	DURATION	VENUE	DATE
GP10	3D Seismic Attributes for Reservoir Characterization	5 DAY	Dubai	T.B.A
GP11	Advanced Seismic Stratigraphy: A Sequence –Wavelet Analysis Exploration-Exploitation Workshop	5 DAY	KISH ISLAND	T.B.A
GP12	Applied Seismic Anisotropy for Fractured Reservoir Characterization	5 DAY	KISH ISLAND	T.B.A
GP13	Basic Geophysics	5 DAY	TEHRAN	T.B.A
GP14	Introduction to Seismic Stratigraphy: A Basin Scale Regional Exploration Workshop	5 DAY	KISH ISLAND	T.B.A
GP15	Seismic Acquisition Technology in a Regulatory Era	5 DAY	Dubai	T.B.A
GP16	Seismic Imaging of Subsurface Geology	5 DAY	KISH ISLAND	T.B.A
GP17	Seismic Interpretation	5 DAY	KISH ISLAND	T.B.A
GP18	Seismic Velocities and Depth Conversion	5 DAY	Dubai	T.B.A

PETROPHYSICS

CODE	COURSE TOPICS	DURATION	VENUE	DATE
P19	Applied Rock Mechanics	5 DAY	TEHRAN	T.B.A
P20	Capillarity in Rocks	5 DAY	KISH ISLAND	T.B.A
P21	Cased Hole Formation Evaluation	5 DAY	KISH ISLAND	T.B.A
P22	Coring and Core Analysis	5 DAY	TEHRAN	T.B.A
P23	Foundations of Petrophysics	5 DAY	KISH ISLAND	T.B.A
P24	Integration of Rocks, Log and Test Data	5 DAY	KISH ISLAND	T.B.A
P25	Petrophysics of Unconventional Reservoirs	5 DAY	KISH ISLAND	T.B.A
P26	Shaly Sand Petrophysics	5 DAY	KISH ISLAND	T.B.A
P27	Structural and Stratigraphic Interpretation of Dipmeters and Borehole-Imaging Logs	5 DAY	KISH ISLAND	T.B.A
P28	Well Log Interpretation	5 DAY	Dubai	T.B.A
P29	Wireline Formation Testing and Interpretation	5 DAY	Dubai	T.B.A

2024 UPSTREAM TRAINING PROGRAMS

WELL CONSTRUCTION/DRILLING

CODE	COURSE TOPICS	DURATION	VENUE	DATE
W30	Basic Drilling Technology	5 DAY	TEHRAN	T.B.A
W31	Advanced Casing Design	5 DAY	KISH ISLAND	T.B.A
W32	Casing and Cementing	5 DAY	KISH ISLAND	T.B.A
W33	Cementing Practices-Cementing II	5 DAY	TEHRAN	T.B.A
W34	Deepwater Well Engineering	5 DAY	KISH ISLAND	T.B.A
W35	Directional, Horizontal, and Multilateral Drilling	5 DAY	KISH ISLAND	T.B.A
W36	Drill String Design and Optimization	5 DAY	KISH ISLAND	T.B.A
W37	Drilling Fluids Technology	5 DAY	KISH ISLAND	T.B.A
W38	Drilling Practices	5 DAY	KISH ISLAND	T.B.A
W39	Drilling Performance Analysis	5 DAY	TEHRAN	T.B.A
W40	Managing Wellsite Operations	5 DAY	KISH ISLAND	T.B.A
W41	Practical Drilling Skills	5 DAY	KISH ISLAND	T.B.A
W42	Primary Cementing-Cementing I	5 DAY	KISH ISLAND	T.B.A
W43	Well Design and Engineering	5 DAY	TEHRAN	T.B.A

RESERVOIR ENGINEERING

CODE	COURSE TOPICS	DURATION	VENUE	DATE
RE44	Applied Reservoir Engineering	5 DAY	TEHRAN	T.B.A
RE45	Basic Reservoir Engineering	5 DAY	KISH ISLAND	T.B.A
RE46	Capillarity in Rocks	5 DAY	KISH ISLAND	T.B.A
RE47	Chemical Enhanced Oil Recovery Fundamentals	5 DAY	TEHRAN	T.B.A
RE48	Enhanced Oil Recovery Fundamentals	5 DAY	KISH ISLAND	T.B.A
RE49	Enhanced Oil Recovery with Gas Injection	5 DAY	KISH ISLAND	T.B.A
RE50	Gas Reservoir Management	5 DAY	KISH ISLAND	T.B.A
RE51	History Matching and Reservoir Optimization	5 DAY	KISH ISLAND	T.B.A
RE52	Horizontal and Multilateral Wells: Analysis and Design	5 DAY	Dubai	T.B.A
RE53	Integrated Reservoir Modeling	5 DAY	TEHRAN	T.B.A
RE54	Naturally Fractured Reservoirs: Geologic and Engineering Analysis	5 DAY	KISH ISLAND	T.B.A
RE55	Oil and Gas Reserves Evaluation	5 DAY	KISH ISLAND	T.B.A
RE56	Reservoir Fluid Properties: Preparation for Reservoir Engineering and Simulation Studies	5 DAY	KISH ISLAND	T.B.A
RE57	Reservoir Management	5 DAY	Dubai	T.B.A
RE58	Reservoir Management for Unconventional Reservoirs	5 DAY	TEHRAN	T.B.A
RE59	Reservoir Modeling of Heavy Oil Resources	5 DAY	TEHRAN	T.B.A
RE60	Reservoir Simulation Strategies	5 DAY	Dubai	T.B.A
RE61	Water flooding A to Z	5 DAY	TEHRAN	T.B.A.
RE62	Advanced Well Test Analysis	5 DAY	Dubai	T.B.A

2024 UPSTREAM TRAINING PROGRAMS

PRODUCTION & COMPLETION ENGINEERING

CODE	COURSE TOPICS	DURATION	VENUE	DATE
PC63	Acidizing Applications in Sandstones and Carbonates	5 DAY	TEHRAN	T.B.A
PC64	Advanced Hydraulic Fracturing	5 DAY	KISH ISLAND	T.B.A
PC65	Applied Water Technology in Oil and Gas Production	5 DAY	Dubai	T.B.A
PC66	Artificial Lift: Design and Selection	5 DAY	Dubai	T.B.A
PC67	Well Completions and Workovers	5 DAY	KISH ISLAND	T.B.A
PC68	Downhole Remediation Practices for Mature Oil and Gas Wells	5 DAY	KISH ISLAND	T.B.A
PC69	Electrical Submersible Pumps	5 DAY	KISH ISLAND	T.B.A
PC70	Flow Assurance for Offshore Production	5 DAY	KISH ISLAND	T.B.A
PC71	Formation Damage: Causes, Prevention, and Remediation	5 DAY	KISH ISLAND	T.B.A
PC72	Advanced Acid Fracturing Design	5 DAY	Dubai	T.B.A
PC73	Gas Lift	5 DAY	KISH ISLAND	T.B.A
PC74	Gas Production Engineering	5 DAY	KISH ISLAND	T.B.A
PC75	Gas Well Deliquification	5 DAY	KISH ISLAND	T.B.A
PC76	Horizontal and Multilateral Wells: Completions and Stimulation	5 DAY	TEHRAN	T.B.A
PC77	Hydraulic Fracturing Applications	5 DAY	TEHRAN	T.B.A
PC78	Multiphase Flow in Production Operations	5 DAY	TEHRAN	T.B.A
PC79	Operations and Development of Surface Production Systems	5 DAY	TEHRAN	T.B.A
PC80	Performance Analysis, Prediction, and Optimization Using	5 DAY	TEHRAN	T.B.A
PC81	Production Chemistry	5 DAY	KISH ISLAND	T.B.A
PC82	Production Logging	5 DAY	TEHRAN	T.B.A
PC83	Production Operations	5 DAY	TEHRAN	T.B.A
PC84	Sand Control	5 DAY	TEHRAN	T.B.A
PC85	Surface Production Operations	5 DAY	KISH ISLAND	T.B.A
PC86	Surface Water Management in Unconventional Resource Plays	5 DAY	KISH ISLAND	T.B.A
PC87	Well Stimulation	5 DAY	TEHRAN	T.B.A
PC88	Material Selection and Corrosion Control in Upstream Projects	5 DAY	TEHRAN	T.B.A
PC89	Wellbore Treatments	5 DAY	KISH ISLAND	T.B.A
PC90	Well Equipment and Operation for Production Engineers	5 DAY	KISH ISLAND	T.B.A
PC91	Flow Measurement and Production Allocation	5 DAY	KISH ISLAND	T.B.A
PC92	Production Assurance- Troubleshooting and Guidelines in Oil & Gas Production Operations	5 DAY	TEHRAN	T.B.A
PC93	Rigless Intervention: Slickline, Coiled Tubing, Hydraulic, Workover & New Technologies	3 DAY	TEHRAN	T.B.A
PC94	HPHT Well Completion	4 DAY	TEHRAN	T.B.A
PC95	HPHT Well Control	4 DAY	TEHRAN	T.B.A



Towards Green Economy Development

