

2024 DOWNSTREAM TRAINING PROGRAMS

- ✓ **Pressure Vessel and Piping**
- ✓ **Process Machinery, Operation and Maintenance**
- ✓ **Process Engineering**
- ✓ **Pipeline**
- ✓ **Management and Petroleum Business**



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 downstream training calendar to enhance and further develop the value and expertise of your business. MAT Group looks forward to meeting the challenges of the industry as a leading provider of workforce development solutions. Our consulting team can help you develop and implement effective projects, while our specialized training programs will enhance your team's knowledge to better achieve your goals. Please visit our website www.matgroup.org and contact us at training@matgroup.org for more information.

Sincerely Yours,

Ali Amidi

CEO at MAT Group Ltd.

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, 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
- ✓ Renewable and Green Economy
- ✓ Due Diligence and Feasibility Studies
- ✓ Physical Asset Integrity

MAT Group Ltd.-Training Roadmap



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- 57) B31.8 Gas Transmission & Distribution Piping Systems
- 58) Pipeline System Optimization

Management and Petroleum Business

- 59) Strategic Management in Petrochemicals
- 60) Leadership and Interpersonal Skills for Managers
- 61) Asset Integrity Management
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- 69) Construction Management
- 70) Oil and Gas Sector: Business Environment and Finance
- 71) Frontline Leadership in Oil and gas Industry
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- 73) Power Plants Economics
- 74) Technical Writing and Communication

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 DOWNSTREAM TRAINING PROGRAMS

PRESSURE VESSEL & PIPING

CODE	COURSE TOPIC	DURATION	VENUE	DATE
S001	ASME Code, Section VIII, Division 1, Design and Fabrication of Pressure Vessels	3 Days	Dubai	T.B.A
S002	ASME Code, Section VIII, Division 2, Design and Fabrication of Pressure Vessels	3 Days	Dubai	T.B.A
S003	ASME Code, B31.3 Process Piping Design	4 Days	Dubai	T.B.A
S004	Detail Engineering and Piping Layout	4 Days	Dubai	T.B.A
S005	Fitness for Services and Flaw Evaluation of Pressure Equipment, API579	3 Days	Dubai	T.B.A
S006	Inspection, Repair & Alteration of Pressure Equipment	3 Days	Dubai	T.B.A
S007	Material Selection and Corrosion Control in Refining Industries	4 Days	Tehran	T.B.A
S008	Damage Mechanisms Based on API RP 571	4 Days	Tehran	T.B.A
S009	Industrial Valves: Design, Sizing, Inspection and Maintenance	4 Days	Dubai	T.B.A
S010	Non-Destruction Examination-Applying ASME Code Requirements	3 Days	Dubai	T.B.A
S011	Risk Based Inspection, API 580/581	4 Days	Dubai	T.B.A
S012	Storage Tank Design, Construction & Maintenance	4 Days	Dubai	T.B.A
S013	Design of Heat Exchangers	4 Days	Dubai	T.B.A
S014	Power Boilers: Design, Construction, Operation, Inspection and Maintenance	5 Days	Dubai	T.B.A
S015	Pressure Relieving Systems Based on API 520/521	3 Days	Dubai	T.B.A
S016	ASME Section IX, Welding Brazing and Qualifications	4 Days	Dubai	T.B.A

2024 DOWNSTREAM TRAINING PROGRAMS

PROCESS MACHINERY, OPERATION & MAINTENANCE

CODE	COURSE TOPICS	DURATION	VENUE	DATE
M017	Process Machinery, Pre -Commissioning, Commissioning and Start UP	3 Days	Dubai	T.B.A
M018	Equipment Failure Analysis and Prevention	4 Days	Dubai	T.B.A
M019	Turbomachinery Monitoring and Problem Analysis	3 Days	Kish Island	T.B.A
M020	Condition Monitoring and Vibration Analysis	3 Days	Dubai	T.B.A
M021	Compressors: Operation and Maintenance	4 Days	Dubai	T.B.A
M022	Pumps: Operation and Maintenance	4 Days	Dubai	T.B.A
M023	Gas Turbine: Operation and Maintenance	3 Days	Dubai	T.B.A
M024	Managing Efficient Shutdown and Turnaround	5 Days	Dubai	T.B.A
M025	Lubrication of Hydro Mechanical Equipment	3 Days	Kish Island	T.B.A
M026	Compressors: Design and Selection	3 Days	Kish Island	T.B.A
M027	Pumps: Operation and Maintenance	3 Days	Kish Island	T.B.A
M028	Effective Operation Leadership	3 Days	Kish Island	T.B.A
M029	Commissioning of Petrochemical Plants	5 Days	Kish Island	T.B.A
M030	Predictive Maintenance	3 Days	Kish Island	T.B.A
M031	Turbomachinery Monitoring and Problem Analysis	3 Days	Kish Island	T.B.A
M032	Process Plant Maintenance Strategies	3 Days	Kish Island	T.B.A

2024 DOWNSTREAM TRAINING PROGRAMS

PROCESS ENGINEERING

CODE	COURSE TOPICS	DURATION	VENUE	DATE
P033	Gas Conditioning and Processing	5 Days	Dubai	T.B.A
P034	Oil Production and Processing Facilities	5 Days	Tehran	T.B.A
P035	Oil Surface: Design and Operation	5 Days	Kish Island	T.B.A
P036	Gas Treating and Sulfur Recovery	5 Days	Dubai	T.B.A
P037	Process Design for Process Plant Equipment	5 Days	Kish Island	T.B.A
P038	Separation Equipment: Selecting & Sizing	5 Days	Tehran	T.B.A
P039	Introducing of Process Engineering	3 Days	Kish Island	T.B.A
P040	Process Plant Troubleshooting	4 Days	Dubai	T.B.A
P041	Hydro-treating & Hydrocracking Process Technology	5 Days	Kish Island	T.B.A
P042	Amine Gas Sweetening & Sulphur Recovery	5 Days	Tehran	T.B.A
P043	Relief and Flare Systems	5 Days	Kish Island	T.B.A
P044	Process Utility System	5 Days	Dubai	T.B.A
P045	Process Safety Engineering	5 Days	Kish Island	T.B.A
P046	Onshore Gas Gathering Systems: Design and Operations	5 Days	Tehran	T.B.A
P047	Applied Process Control	5 Days	Kish Island	T.B.A
P048	Gas Flow Measurement	5 Days	Dubai	T.B.A

2024 DOWNSTREAM TRAINING PROGRAMS



PIPELINE

CODE	COURSE TOPICS	DURATION	VENUE	DATE
PI049	Liquid Pipeline Pumping System	3 Days	Tehran	T.B.A
PI050	Pipeline Design and Construction	3 Days	Dubai	T.B.A
PI051	Pipeline Defect Assessment	3 Days	Dubai	T.B.A
PI052	Pipeline Integrity Management Systems	3 Days	Tehran	T.B.A
PI053	Subsea Pipeline Engineering Master Class	5 Days	Dubai	T.B.A
PI054	Modern Pipeline Leakage Detection	2Days	Dubai	T.B.A
PI055	Pipeline Corrosion Integrity Management Systems	3 Days	Dubai	T.B.A
PI056	ASME B31.4 Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids	5 Days	Dubai	T.B.A
PI057	B31.8 Gas Transmission & Distribution Piping Systems	4 Days	Dubai	T.B.A
PI058	Pipeline System Optimization	3 Days	Dubai	T.B.A

2024 DOWNSTREAM TRAINING PROGRAMS

MANAGEMENT AND PETROLEUM BUSINESS

CODE	COURSE TOPICS	DURATION	VENUE	DATE
MB059	Strategic Management in Petrochemicals	3 Days	Tehran	T.B.A
MB060	Leadership and Interpersonal Skills for Managers	5 Days	Tehran	T.B.A
MB061	Asset Integrity Management	5 Days	Tehran	T.B.A
MB062	Essential Management Skills	5 Days	Tehran	T.B.A
MB063	Senior Management Skills	3 Days	Tehran	T.B.A
MB064	Refinery Economics	5 Days	Tehran	T.B.A
MB065	Oil and Gas Contract: Negotiations Skills	5 Days	Tehran	T.B.A
MB066	"Joint Ventures Between" Local" and "Foreign" Partners-An International Perspective"	2 Days	Tehran	T.B.A
MB067	Petroleum Finance and Accounting	5 Days	Tehran	T.B.A
Mb068	International Petroleum Contracts: The legal and Contractual Regime	5 Days	Tehran	T.B.A
MB069	Construction Management	5 Days	Tehran	T.B.A
MB070	Oil and Gas Sector: Business Environment and Finance	5 Days	Tehran	T.B.A
MB071	Front line Leadership In Oil, Gas and Petrochemicals	5 Days	Tehran	T.B.A
MB072	Project Management in the Upstream oil and gas Industry	5 Days	Tehran	T.B.A
MB073	Power Plants Economics	5 Days	Tehran	T.B.A
MB074	Technical Writing and Communication	3 Days	Tehran	T.B.A



Towards Green Economy Development

