



Discovery Tools
Training, Consulting & Conferences Organizing



**Mechanical Engineering and
Material Sciences
Training Courses**

**Training Plan
2023**



Mechanical Engineering and Material Sciences

Code	Course Title	Date	Venue
MMS 056	Boiler and Steam System Management	01 – 05 JAN 2023	Istanbul
MMS 058	Process Plant Troubleshooting and Engineering Problem Solving	08 –12 JAN 2023	Istanbul
MMS 060	Building Automation Systems (BAS)	15 – 19 JAN 2023	Cairo
MMS 062	Specialist in Piping Design	15 – 19 JAN 2023	Istanbul
MMS 064	Pump Selection, Operation and Troubleshooting	22 – 26 JAN 2023	Dubai
MMS 066	Gas Turbine Operation, Performance, Maintenance and Repair	22 – 26 JAN 2023	Istanbul
MMS 068	Measuring Mechanical Vibrations and Methods of Measurement	29 JAN – 02 FEB 2023	London
MMS 070	Industrial Steam Boiler System, Operation and Maintenance	29 JAN – 02 FEB 2023	Cairo
MMS 072	Materials of Construction for Process Equipment	05 – 09 FEB 2023	Istanbul
MMS 074	Tank Farm and Storage Tank Design, Inspection Procedure, Operations, Repair and Maintenance	05 – 09 FEB 2023	Dubai
MMS 076	Bearings Types, Installation and Disassembling	12 – 16 FEB 2023	Austria
MMS 078	Machinery Failure Analysis and Troubleshooting	12 – 16 FEB 2023	Istanbul
MMS 080	Mechanical Equipment: Compressors, Pumps, Seals, Motors and Variable - Speed Drives	19 – 23 FEB 2023	Amsterdam
MMS 082	Pressure Safety Valve, Actuators and Regulators – Inspection and Maintenance	19 – 23 FEB 2023	Dubai
MMS 084	Diesel Pumps Maintenance and Inspection	26 FEB – 02 MAR 2023	Sharm El Sheikh
MMS 086	Root Cause Failure Analysis (RCFA)	26 FEB – 02 MAR 2023	Istanbul
MMS 088	Centrifugal Compressor and Steam Turbine	05 – 09 MAR 2023	Kuala Lumpur
MMS 090	Certified Process Operator	05 – 09 MAR 2023	Cairo



MMS 092	Mechanical Failure Analysis	12 – 16 MAR 2023	Istanbul
MMS 094	Dry Gas Seal System, Installation, Working Principle, Operation and Troubleshooting	12 – 16 MAR 2023	Dubai
MMS 096	Safety Relief Valve Sizing, Selection, Operation, Inspection and Maintenance	19 – 23 MAR 2023	Istanbul
MMS 098	Masterclass in Rotating Equipment Engineering	19 – 23 MAR 2023	London
MMS 100	Composite Materials and its constituents	26 – 30 MAR 2023	Cairo
MMS 102	Pipeline Operations and Maintenance	26 – 30 MAR 2023	Istanbul
MMS 104	Mechanical Maintenance Fundamentals	02 – 06 APR 2023	Dubai
MMS 106	Gas Compressor System, Working Principle and Maintenance	02 – 06 APR 2023	Istanbul
MMS 108	Materials of Construction for Process Equipment and Piping Systems	09 – 13 APR 2023	London
MMS 110	Design Criteria in Instrumentation Engineering	09 – 13 APR 2023	Dubai
MMS 112	Pumps Types and Maintenance	16 – 20 APR 2023	Istanbul
MMS 114	Pipeline Operations and Maintenance	16 – 20 APR 2023	Cairo
MMS 116	Metallurgical Failure Analysis	23 – 27 APR 2023	Austria
MMS 118	Mechanical Engineering Essentials	23 – 27 APR 2023	Istanbul
MMS 120	Fired Heaters and Heat Exchangers	30 APR – 04 MAY 2023	Amsterdam
MMS 122	Mechanical Failures and Systems Analysis	30 APR – 04 MAY 2023	Cairo
MMS 124	Cooling Towers and Condensers	07 – 11 MAY 2023	Sharm El Sheikh
MMS 126	Compressors, Pumps and Turbines	07 – 11 MAY 2023	Istanbul
MMS 128	Methods of Shaft Alignment	14 – 18 MAY 2023	Kuala Lumpur
MMS 130	Marine Shipyard Welding and Fabrication	14 – 18 MAY 2023	Dubai
MMS 132	Refinery Critical Equipment Operation for Compressors, Turbines and Pumps	21 – 25 MAY 2023	Istanbul
MMS 134	Piping Engineering and Pipe Stress Analysis	21 – 25 MAY 2023	Cairo
MMS 136	Custody Transfer and Flow Measurement	28 MAY – 01 JUNE 2023	Istanbul



MMS 138	Flange Management and Tightening	28 MAY – 01 JUNE 2023	London
MMS 140	Pressure Vessel Inspector	04 – 08 JUNE 2023	Cairo
MMS 142	Process and Mechanical Engineering Essentials	04 – 08 JUNE 2023	Istanbul
MMS 144	Steam Boilers	11 – 15 JUNE 2023	Dubai
MMS 146	Bearing Lubrication and Vibration Analysis	11 – 15 JUNE 2023	Cairo
MMS 148	Engineering Aspects of Welding	18 – 22 JUNE 2023	London
MMS 150	Rotating Equipment: Start-up, Operation, Maintenance and Troubleshooting	18 – 22 JUNE 2023	Dubai
MMS 152	Principles and Components of Hydraulic Systems	25 – 29 JUN 2023	Istanbul
MMS 154	Certified Condition Monitoring Engineer	25 – 29 JUN 2023	Cairo
MMS 156	Process Control Valves and Actuators	02 – 06 JULY 2023	Austria
MMS 158	Couplings and Shaft Alignment	02 – 06 JULY 2023	Istanbul
MMS 160	Gears Types, Installation and Maintenance	09 – 13 JULY 2023	Amsterdam
MMS 162	Certified Diesel Engine Mechanic	09 – 13 JULY 2023	Dubai
MMS 164	Pumps and Compressors	16 – 20 JULY 2023	Sharm El Sheikh
MMS 166	TEMA and HTRI Heat Exchanger	16 – 20 JULY 2023	Cairo
MMS 168	Diesel Pumps Maintenance and Inspection	23 – 27 JULY 2023	Kuala Lumpur
MMS 170	Multiphase Flowmetering	23 – 27 JULY 2023	Istanbul
MMS 172	Heat Exchanger and Cooling Towers	30 JULY – 03 AUG 2023	Istanbul
MMS 174	Process Engineering Essentials	30 JULY – 03 AUG 2023	Dubai
MMS 176	Study of Hydraulic Circuit Components, Fittings and Hoses	06 – 10 AUG 2023	Istanbul
MMS 178	Artificial Lift Systems	06 – 10 AUG 2023	London
MMS 180	Process Equipment and Piping Systems	13 – 17 AUG 2023	Cairo
MMS 182	Plant Piping	13 – 17 AUG 2023	Istanbul
MMS 184	Heat Exchangers Operation and Maintenance	20 – 24 AUG 2023	Dubai



MMS 186	Flange Integrity	20 – 24 AUG 2023	Istanbul
MMS 188	The Complete Tribology Course	27 – 31 AUG 2023	London
MMS 190	Hydraulic System Course	27 – 31 AUG 2023	Dubai
MMS 192	Refractories: Applications, Inspection and Maintenance	03 – 07 SEP 2023	Istanbul
MMS 194	Pump and Valve Engineering	03 – 07 SEP 2023	Cairo
MMS 196	Heat Transfer and Exchangers	10 – 14 SEP 2023	Austria
MMS 198	Valves and Actuators Technology	17 – 21 SEP 2023	Amsterdam
MMS 200	Heating, Ventilation, and Air Conditioning (HVAC) Systems	24 – 28 SEP 2023	Sharm El Sheikh
MMS 202	Valves Operation and Maintenance	01 – 05 OCT 2023	Kuala Lumpur
MMS 204	HVAC Design, Operation, and Maintenance	08 – 12 OCT 2023	Istanbul
MMS 206	Materials Selection and Failure Analysis	15 – 19 OCT 2023	Istanbul
MMS 208	Hydraulic and Pneumatic Systems	22 – 26 OCT 2023	Cairo
MMS 210	Control Valves and Actuators (Characteristics – Types)	29 OCT – 02 NOV 2023	Dubai
MMS 212	Hydraulic Pumps and Valves	05 – 09 NOV 2023	London
MMS 214	Valves Classes and Pressure Rating, SRV's Inspection and Maintenance	12 – 16 NOV 2023	Istanbul
MMS 216	Introduction to Plant Piping and Valves	19 – 23 NOV 2023	Austria
MMS 218	Methodology of Automation Systems	26 - 30 NOV 2023	Amsterdam
MMS 220	Introduction to Risk Based Inspection	03 – 07 DEC 2023	Istanbul
MMS 222	Methodology of Machine Elements	10 – 14 DEC 2023	Dubai
MMS 224	Lifting Equipment Selection, Maintenance and Troubleshooting	17 – 21 DEC 2023	Cairo
MMS 226	Refractory Design, Installation, Inspection and Repair	24 – 28 DEC 2023	Istanbul