



Electrical and Power Engineering

**Training Plan
2022**



DISCOVERY TOOLS

Training, Consulting & Conferences Organizing

Electrical and Power Engineering

Training Venues : (Istanbul/ Cairo/ Alexandria/ Sharm El Sheikh/ Dubai/ Kuala Lumpur/ London/ Austria/ Amsterdam)

Code	Course Title	Date
EPE 048	Configuring and Testing Smart Field Devices	02 – 06 JAN 2022
EPE 049	Solar Power System Theory and Maintenance	09 – 13 JAN 2022
EPE 050	Generator Excitation Systems	09 – 13 JAN 2022
EPE 051	Design Of Modern Electrical Distribution Systems	16 – 20 JAN 2022
EPE 052	Transformers Operation and Maintenance	23 – 27 JAN 2022
EPE 053	Energy Isolation	23 – 27 JAN 2022
EPE 054	Electrical Distribution Systems Design and Installation	30 JAN – 03 FEB 2022
EPE 055	Transmission Lines Design and Installation	06 – 10 FEB 2022
EPE 056	Power System Blackouts Preventive Measures	06 – 10 FEB 2022
EPE 057	Electrical Drawings and Control Circuits	13 – 17 FEB 2022
EPE 058	Troubleshooting, Maintenance and Protection of AC Electrical Motors and Drives	20 – 24 FEB 2022
EPE 059	Mini MBA in Power, Electricity and Industry Infrastructure	20 – 24 FEB 2022
EPE 060	Electrical Engineering Practices For Facilities Engineer	27 FEB – 03 MAR 2022
EPE 061	Modern Electric Power Systems: Design, Modeling, Analysis and Problem Solving	06 – 10 MAR 2022
EPE 062	Electrical Demand-Side Management (EDSM)	06 – 10 MAR 2022
EPE 063	Electrical Faults Troubleshooting	13 – 17 MAR 2022
EPE 064	Advanced Generator Maintenance	20 – 24 MAR 2022
EPE 065	Electrical Inspection and Testing	20 – 24 MAR 2022



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EPE 066	Power Quality, Harmonics Mitigation and Reactive Power Management	27 – 31 MAR 2022
EPE 067	Boiler Control and Burner Management Systems	03 – 07 APR 2022
EPE 068	TAMCO High Voltage Switchgears	03 – 07 APR 2022
EPE 069	Electrical Maintenance Principles and Applications	10 – 14 APR 2022
EPE 070	Certified Control Systems Technician (CCST)	17 – 21 APR 2022
EPE 071	Substation Design and Operation	17 – 21 APR 2022
EPE 072	High and Medium Voltage Substation Design, Testing and Maintenance	24 – 28 APR 2022
EPE 073	Circuit Breakers and Switchgears Inspection, Maintenance, Design, Repair and Troubleshooting	01 – 05 MAY 2022
EPE 074	Electrical Circuits Fundamentals	01 – 05 MAY 2022
EPE 075	High Voltage Operational Safety For Engineers and Technicians	08 – 12 MAY 2022
EPE 076	Advanced Power Distribution Engineering For Utilities	15 – 19 MAY 2022
EPE 077	The Programmable Power Supply (PPS)	15 – 19 MAY 2022
EPE 078	Industrial Electronics and Applications	22 – 26 MAY 2022
EPE 079	Combustion Control System	29 MAY – 02 JUNE 2022
EPE 080	Instrumentation, Controls and Electrical Systems for Facilities Engineers	05 – 09 JUNE 2022
EPE 081	Electrical Equipment Installation Control Systems Commissioning (Testing Start Up of Electrical System)	12 – 16 JUNE 2022
EPE 082	Introduction To Reading Of Electrical Drawings and Diagrams	19 – 23 JUNE 2022
EPE 083	Diesel Power Generating Maintenance and Troubleshooting	26 – 30 JUN 2022
EPE 084	Industrial Electronics Maintenance Skills	03 – 07 JULY 2022
EPE 085	Distribution Overhead Transmission Line Equipment	10 – 14 JULY 2022
EPE 086	Maintenance and Troubleshooting Of UPS Systems and Battery Power Supplies	17 – 21 JULY 2022
EPE 087	Fundamentals Of Electrical Systems	24 – 28 JULY 2022
EPE 088	Maintenance of Circuit Breakers and Switchgears	31 JULY – 04 AUG 2022
EPE 089	Generator Excitation Systems	07 – 11 AUG 2022



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EPE 090	Modern Power System Protective Relaying	14 – 18 AUG 2022
EPE 091	Advanced Power System Analysis In Electrical Networks Using ETAP Power Station	21 – 25 AUG 2022
EPE 092	Operation and Maintenance of Electric Generators	28 AUG – 01 SEP 2022
EPE 093	Electrical Faults Causes, Analysis, Detection and Remedies	04 – 08 SEP 2022
EPE 094	Power System Analysis and Calculations In Electrical Networks Using ETAP Power Station	11 – 15 SEP 2022
EPE 095	Tuning Control Loops, Feedback and Advanced Controllers	18 – 22 SEP 2022
EPE 096	Power Systems Protection - Control and Stability	25 – 29 SEP 2022
EPE 097	Variable Frequency Drives	02 – 06 OCT 2022
EPE 098	Practical Operation, Maintenance and Testing Of Diesel Power Generation Plants	09 – 13 OCT 2022
EPE 099	Advanced Power Transmission Technologies	16 – 20 OCT 2022
EPE 100	Operational Performance Electric Power Systems	23 – 27 OCT 2022
EPE 101	Condition Monitoring Of Power System Equipment	30 OCT – 03 NOV 2022
EPE 102	Printed Circuit Board (PCB) Design, Implementation and Troubleshooting Techniques	06 – 10 NOV 2022
EPE 103	Basic Electrical and Instrumentation Design	13 – 17 NOV 2022
EPE 104	Process Control Valves and Actuators	20 – 24 NOV 2022
EPE 105	Power and Power Stations (Design, Installation and Maintenance)	27 NOV – 01 DEC 2022
EPE 106	Programmable Logic Controllers (PLC) and SCADA System	04 – 08 DEC 2022
EPE 107	Advance Electrical Troubleshooting , Repairs and Isolations Techniques	11 – 15 DEC 2022
EPE 108	Safety Instrumented Systems (SIS) For Process Industries Using IEC 65 and IEC 6508	18 – 22 DEC 2022
EPE 109	Protection Schemes For Generators and Recommended Settings	25 – 29 DEC 2022