

Training Course :

MV Circuit Breakers: Design, Application & Maintenance

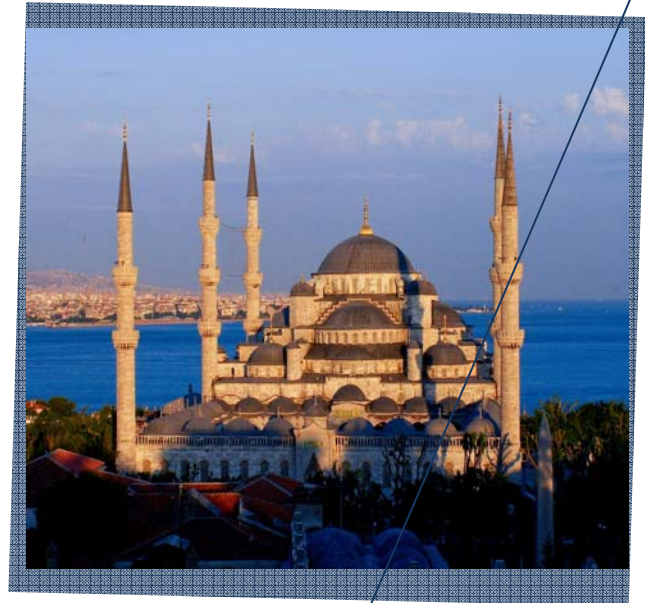
One Weeks Training Course In

Turkey , Istanbul , GVK Taksim Hotel

As Under Details :

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Abar Solutions Petroleum Consultancy Invite Your Employees To Participate With Us In Special Training Course As Under Details:

Course Name		MV Circuit Breakers: Design, Application & Maintenance				
Code	Period	Language	Start	End	Location	Fees
EL 05	5 Days	Bilingual (Arabic & English)	19/09/2016	23/09/2016	Turkey , Istanbul , GVK Taksim Hotel	1750 KD (15% For Individual Registration) & (25% For Group Registration)
			17/10/2016	21/10/2016		
			14/11/2016	18/11/2016		
			19/12/2016	23/12/2016		
			16/01/2017	20/01/2017		
			20/02/2017	24/02/2017		
			20/03/2017	24/03/2017		
			17/04/2017	21/04/2017		
			15/05/2017	19/05/2017		
			19/06/2017	23/06/2017		
			17/07/2017	21/07/2017		
			21/08/2017	25/08/2017		
** The Fees Includes : Lecturer , Training Material , Training Room With One Coffee Break Daily , Certificate Of Attendance In Last Day Training Course **						

Course Description:

- Participants will learn safe and proper maintenance and testing procedures on a variety of 480V circuit breakers , including Siemens , ABB , Westinghouse , GE , Square D , Federal Pioneer , and ITE , Topics for Low-Voltage Circuit Breakers will include maintenance and adjustment requirements , as well as insulation resistance , contact resistance and high current primary injection tests , Students will also learn safe and proper maintenance and testing procedures on a variety of 4160V & 13,800V circuit breaker manufacturers , Topics for Medium-voltage circuit breakers will include maintenance and adjustment requirements , as well as insulation resistance , contact resistance , high potential and power factor testing , All

testing and maintenance is done in accordance with manufacturers specifications and recommendations , NETA , ANSI and NEMA standards

Course Objectives:

- Use manufacturer instruction literature and established industrial standards to perform required inspection , checks , lubrication , and adjustments on both low and medium voltage circuit breakers
- How to perform insulation resistance test on both low and medium voltage circuit breakers and interpret test data
- How to perform contact resistance test on both low and medium voltage circuit breakers and interpret test data
- How to perform a high current primary injection test on low voltage circuit breakers and interpret test data
- How to perform high potential test on medium voltage circuit breakers and interpret test data
- How to perform a power factor / dissipation factor test on medium voltage air & vacuum circuit breakers and interpret test data

Who Should Attend?

- Electric maintenance & design Engineers
- Project Engineers
- Electrical supervisors
- Senior technicians & Forman
- Technical Support Engineers

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Course Content & Outlines:

- Circuit interrupters up to 34.5 kV & Switching problems
- Fault analysis (simple methods , Symmetrical components & PU systems)
- Breaking and making capacities
- Theory of circuit interruption with different switching mediums
- Circuit breaking under unfavorable operating conditions
- Circuit interruption in different mediums (OCB , VCB , Sf6 CB & ACB)
- Ratings & de-ratings of Circuit breakers , & Anti-pumping & trip supervision relays
- Safety features of MV switchboards & Comparison of interrupting devices
- Operating mechanisms & Protective relay fundamentals
- Arc flashing & Electric hazards
- Authorizations for operation MV switchgear
- Tests & commissioning of MV switchgear
- Trouble shooting of different circuit breaker failures
- Preventive maintenance of MV CBs
- Maintenance work instructions & Related IEC/ANSI standards
- Workshop

With Best Regards From Abar Solutions Petroleum Consultancy