Blaze Avenue

Empowering Business Ideas

POWER AND DISTRIBUTION TRANSFORMERS

13th-14th NOVEMBER

PULLMAN HOTEL KUCHING, SARAWAK, MALAYSIA

2 D A Y S

W O R K S H O P

Puica Nitu

COURSE INSTRUCTOR

Limited Seats Only

Past Clients

- Kenya Power & Lighting Co. Ltd - Kenya
- PT Bekasi Power - Indonesia
- PT Perusahaan Listrik Negara (PLN) - Indonesia
- Sarawak Energy Berhad - Malaysia
- Hong Kong Electric Company - Hong Kong
- National Electric Power Regulatory Authority (NEPRA) - Pakistan
- Saudi Electricity Company - Saudi Arabia
- National Grid Corporation Philippines (NGCP) - Phillipines
- Emirates SembCorp Water & Power Company - UAE
- Tenaga Nasional Berhad (TNB) - Malaysia
- DNV GL Private Limited - Singapore
- Ceylon Electricity Board (CEB) - Sri Lanka
- Sabah Electricity - Malaysia
- Lanka Electricity Company (Pvt) Ltd - Sri Lanka
- NamPower Corporation (Proprietary) Ltd - Namibia
- Kenya Generation (Kengen) - Kenya
- Transmission Company of Nigeria (TCN) - Nigeria
- Niger Delta Power Holding Company Limited (NDPHC) - Nigeria
- Metropolitan Electricity Authority (MEA) - Thailand
- Singapore Power (SP Group) - Singapore

Blaze Avenue's Power Industry Courses:

- Reliability Centered Maintenance
- Demand Side Management
- Energy Markets Strategic Planning
- Economic Dispatch and Power System Planning
- Power Systems Planning and Operations
- Energy Trading and Energy Markets
- Energy Markets,Risk Assessment and Financial Management
- Reliability and Risk Applied to Physical Assets
- Economic Dispatch & Grid stability Constraints in Power Plants
- Power System State Estimation
- Communication Interfaces in Smart Grid
- The Role of IEC 61850 in Smart Grid
- Distributed Generation
- Distributed Wind Generation and its Impacts on the Network
- Modelling Analysis for Modern Electrical Systems
- Power Systems Economic Operation
- Reactive Power and Voltage Control on Electrical Networks
- Real Power &Control on Power System
- Substation Automation Systems
- Distribution Automation
- Power System Operations
- Power System Reliability
- Power System Restoration
- Methodologies & Implementation Strategies
- Vulnerability of Power Grids

Get in touch:

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COURSE OVERVIEW

Power and distribution transformers are essential devices in the distribution and transmission of electricity. Transformer ratings can vary from distribution transformers of a few kVA up to very large power transformers of 1000 MVA or larger. The main focus of the course is on distribution transformers. For completeness, the power transformers are also discussed.

The introduction of power electronics in the design and operation of distribution equipment including transformers allows a more stable operation of the network. The course explains the design of distribution transformers with electronics that performs power quality functions through modern power electronic converters. Transformers can have operating voltages up to several hundreds of kilovolts. They represent a major asset of the power utility and any industrial plant. Transformer failures not only have large economic consequences but also present safety hazards.

The design and operation of any transformer must fulfil certain requirements in order to withstand the electric, thermal and mechanical stresses during its service life. This course focuses on the tests and maintenance strategies for transformers. The course dedicates its last section to outage data collection and Reliability Centered Maintenance.

WHO SHOULD ATTEND

- Engineers and Technicians from distribution companies, transmission companies and generating plants
- Technical Management Professionals and Department Leaders
- Engineering Professionals from companies manufacturing and operating power and/or distribution transformers
- Engineers and Technical Personnel in power utilities, petrochemical plants, service professionals
- of large infrastructure projects.

TAKE AWAYS

Upon completion of this course, the trainees will become aware and gain understanding of the following operational aspects:

1.Electronics applied to Transmission and Distribution Systems
2.Design guidelines and different types
3.Maintenance and commissioning procedures
4.Troubleshooting checklists and failure analysis techniques
5.Diagnostics and monitoring technologies
6.Practical solutions for specifying, operating and maintaining power transformers
7.Comprehensive understanding of principles, selection, testing and commissioning, protection,
8.maintenance and troubleshooting of distribution and power transformers
9.Safety procedures for optimal transformer operation and equipment protection
10.Testing and maintenance of transformers