

# COMMISSIONING AND **START-UP** **ACTIVITIES OF COAL POWER PLANTS:**

Qualified for  
18 PDUs by  
PEB

*Preparation, Planning, Pre-Commissioning Checks and Tests, Commissioning Schedule, Detailed Commissioning Procedures and Instructions for each Equipment in a Coal Power Plant, Instrumentation, Trial Run of each Equipment, Safety and Precautions, Commissioning of Coal Power Plant Systems, Safety Rules Clearance Certificates, Procedure for the Control and Handling of Defects, Commissioning Reports*

**22 – 24 MAY 2017, SINGAPORE**

## Topics Covered

Pre-Commissioning  
Checks and Tests

Commissioning  
Management System  
of Coal Power Plants

Commissioning  
Procedures and  
Instructions for Boiler  
and Auxiliaries in Coal  
Power Plants

## Expert Course Faculty Leader



### **Philip Kiameh**

Has more than 30 years of practical engineering experience with Ontario Power Generation and as a Training Manager, has conducted courses and seminars, to more than 4,000 working engineers and professionals who consistently ranked him as "Excellent" or "Very Good". Philip has also written 5 books for working engineers from which three have been published by McGraw-Hill, New York.



**HRDF CLAIMABLE**

\*Subject to terms and conditions

Another Quality Training By  
**powerEDGE®**  
Empower your future

### Course Overview

This seminar provides a comprehensive understanding of all the commissioning and start-up activities of coal power plants. The Commissioning Management System of coal power plants is covered in detail in this seminar. This includes all the commissioning procedures and documents, purpose of commissioning, responsibilities, system description, organization, working parties, test teams, documentation, testing and commissioning schedules, test reports, safety, plant certification, and plant completion report. The seminar provides also a thorough understanding of all the commissioning requirements for boiler and auxiliaries, turbines and auxiliaries, generator and auxiliaries, electrical equipment, switchgear equipment, switchgear, and transformers. All the stages of the commissioning procedure are covered in-depth in this seminar. This includes preparation – planning various activities, pre-commissioning checks and tests, typical commissioning schedule, detailed tests and commissioning procedures and instructions for every component in a coal power plant, instrumentation, trial run of the equipment, safety and precautions, commissioning of coal power plant systems, Safety Rules Clearance Certificates, procedure for the control and handling of defects, Commissioning Reports.

This seminar is a MUST for anyone who is involved in the pre-commissioning or commissioning of any coal power plant equipment because it provides detailed pre-commissioning checks and tests and detailed tests and commissioning procedures and instructions for every component in a coal power plant. In addition, the seminar provides in-depth coverage of all preparation, planning activities, commissioning schedules, trial run of each coal power plant equipment, safety and precautions, Safety Rules Clearance Certificates, Procedures for handling defects, and Commissioning Reports.

### Course Learning Outcomes

- **Pre-Commissioning Checks and Tests, Detailed Tests and Commissioning Procedures and Instructions for Every Equipment in Coal Power Plants:** Gain a thorough understanding of all pre-commissioning checks and tests, and all commissioning procedures and instructions for every equipment in coal power plants
- **Commissioning Management System of Coal Power Plants:** Discover the benefits of the Commissioning Management System of coal power plants including all commissioning procedures and documents, purpose of commissioning, responsibilities, system description, organization, working parties, test teams, documentation, testing and commissioning schedules, test reports, safety, plant certification, and plant completion report
- **Commissioning Procedures and Instructions for Boiler and Auxiliaries in Coal Power Plants:** Learn about the commissioning procedures and instructions for boiler and auxiliaries including all commissioning activities, typical commissioning schedule, hydraulic test and wet preservation, air and gas tightness test, trial run of equipment, electronic precipitators, fuel oil system, preparation for first light up, alkali boil – out, acid cleaning and passivation, thermal flow test of economizer, water walls, and superheater, valves, steam boiling, safety valve setting, and soot blowers.
- **Commissioning Procedures and Instructions for Turbine and Auxiliaries:** Gain a thorough understanding of all the commissioning procedures and instructions for turbine and auxiliaries including acid cleaning of oil pipelines, lubrication and governing system (oil flushing and hydraulic testing), jacking oil system, governing system, regenerative system, barring gear, vacuum tightness test, first rolling of turbine and data logging
- **Commissioning Procedures and Instructions for Generator and Auxiliaries:** Discover all the commissioning procedures and instructions for generator and auxiliaries including generator, seal oil system, hydrogen gas system, stator water system, rolling and payment of generator
- **Commissioning Procedures and Instructions for Electrical Equipment:** Learn about all the commissioning procedures and instructions for electrical equipment including switchyard equipment, switchgear, transformers, and motors
- **Coal Power Plant Equipment and Systems: Learn about various coal power plant equipment and systems including:** boilers, superheaters, reheaters, steam turbines, governing systems, deaerators, feedwater heaters, coal-handling equipment, transformers, generators and auxiliaries

## Training Methodology

The instructor relies on a highly interactive training method to enhance the learning process. This method ensures that all the delegates gain a complete understanding of all the topics covered. The training environment is highly stimulating, challenging, and effective because the participants will learn by case studies which will allow them to apply the material taught to their own organization.

## Who Should Attend

- Engineers of all disciplines
- Managers
- Technicians
- Maintenance personnel
- Other technical individuals

## Your Expert Faculty

Philip Kiameh, M.A.Sc., B.Eng., D.Eng., P.Eng. (Canada) has been a teacher at University of Toronto and Dalhousie University, Canada for more than 23 years. In addition, Prof Kiameh has taught courses and seminars to more than four thousand working engineers and professionals around the world, specifically Europe and North America. Prof Kiameh has been consistently ranked as "Excellent" or "Very Good" by the delegates who attended his seminars and lectures.

Prof. Kiameh performed research on power generation equipment with Atomic Energy of Canada Limited at their Chalk River and Whiteshell Nuclear Research Laboratories. He also has more than 30 years of practical engineering experience with Ontario Power Generation (formerly, Ontario Hydro - the largest electric utility in North America).

While working at Ontario Hydro, Prof. Kiameh acted as a Training Manager, Engineering Supervisor, System Responsible Engineer and Design Engineer. During the period of time that Prof Kiameh worked as a Field Engineer and Design Engineer, he was responsible for the operation, maintenance, diagnostics, and testing of gas turbines, steam turbines, generators, motors, transformers, inverters, valves, pumps, compressors, instrumentation and control systems. Further, his responsibilities included designing, engineering, diagnosing equipment problems and recommending solutions to repair deficiencies and improve system performance, supervising engineers, setting up preventive maintenance programs, writing Operating and Design Manuals, and commissioning new equipment.

Later, Prof Kiameh worked as the manager of a section dedicated to providing training for the staff at the power stations. The training provided by Prof Kiameh covered in detail the various equipment and systems used in power stations.

Professor Philip Kiameh was awarded his Bachelor of Engineering Degree "with distinction" from Dalhousie University, Halifax, Nova Scotia, Canada. He also received a Master of Applied Science in Engineering (M.A.Sc.) from the University of Ottawa, Canada. He is also a member of the Association of Professional Engineers in the province of Ontario, Canada.

Prof Kiameh wrote 5 books for working engineers from which three have been published by McGraw-Hill, New York. Below is a list of the books authored by Prof Kiameh:

- 1 Power Generation Handbook: Gas Turbines, Steam Power Plants, Co-generation, and Combined Cycles, second edition, (800 pages), McGraw-Hill, New York, October 2011.
- 2 Electrical Equipment Handbook (600 pages), McGraw-Hill, New York, March 2003.
- 3 Power Plant Equipment Operation and Maintenance Guide (800 pages), McGraw-Hill, New York, January 2012.
- 4 Industrial Instrumentation and Modern Control Systems (400 pages), Custom Publishing, University of Toronto, University of Toronto Custom Publishing (1999).
- 5 Industrial Equipment (600 pages), Custom Publishing, University of Toronto, University of Toronto, University of Toronto Custom Publishing (1999).

## Special Feature

Each delegate will receive a copy of the following materials written by the instructor:

"POWER GENERATION HANDBOOK" second edition published by McGraw-Hill in 2012 (800 pages)

Excerpt of the relevant chapters from the "POWER PLANT EQUIPMENT OPERATION AND MAINTENANCE GUIDE" published by McGraw-Hill in 2012 (800 pages)

COAL POWER PLANT COMMISSIONING MANUAL (includes practical information about all pre-commissioning checks and tests, typical commissioning schedule, detailed tests and commissioning procedures and instructions for every component and system in coal power plants)

### 3 Day Course Outline

#### **Day 1 – Commissioning Management System, Commissioning of Boiler and Auxiliaries, Commissioning of Electrostatic Precipitators, Commissioning of Fuel Oil System, Preparation for First Light-up, Chemical Cleaning of Boiler, Thermal Flow Test for Economizer, Water Walls, and Superheater, Commissioning of Valves, Commissioning of Soot Blowers**

- Commissioning Procedure and Documents: Purpose of Commissioning, Responsibilities, System Description, Organization, Working Parties, Test Teams, Documentation, Safety, Plant Certification, Plant Completion Report,
- Boiler and Auxiliaries: Commissioning Activities, Preparation – Planning Various Activities, Typical Commissioning Schedule,
- Hydraulic Test and Wet Preservation: Water Filling, Drainable Parts, Hydrostatic Testing, Wet Preservation
- Air and Gas Tightness Test: Procedure for the test, Furnace Zone, Second Pass of Boiler, Electrostatic Precipitator, Forced Draft Fan Ducts, Primary Air Fan Ducts, protocol on smoke generator test of the boiler
- Trial Run of Equipment: Fan, air heaters, Mills
- Commissioning of Electrostatic Precipitator: Pre-commissioning Checks – Mechanical, Pre-Commissioning Checks – Electrical, Before the First Light of the Boiler, Gas Distribution Test
- Fuel Oil System: Flushing of H.S.D Lines with Oil, Tests, constructional Tests, Pre-commissioning Tests, Commissioning Tests
- Preparation for First Light Up: System, Checking of Ignitor System, Check on Oil Characteristics, Check on Equipment in Oil/Air Lines, Pre-Check Before Light-up, Testing Furnace Probe, First Light Up of The Boiler, Expansion Movement of Boiler
- Alkali Boil – Out: Chemical Cleaning of Boiler, Water Washing, Alkali Boil Out, Rinsing, Commissioning Protocol for Alkali Boil Out
- Acid Cleaning & Passivation: Process, Acid Cleaning, Rinsing After Acid Cleaning, Citric Acid Rinsing, D.M. Water Rinsing, Neutralization, Passivation, Pumps, Tanks, and Miscellaneous Items, Specifications of Chemicals, Commissioning Protocol for Each Cleaning
- Thermal Flow Test of Economizer, Water Walls and Superheater: Instrument, Principle of Operation, Procedure For Water Walls and Economizer, Procedure For Superheaters, Commissioning Protocol for Thermal Flow Test
- Commissioning of Valves: Check List of Valves, Motorized Valves, Pneumatic-Operated Valves, Control Valves, Safety Valves

- Steam Blowing: Basic Technique Used, Scheme, Reheat Safety Valve Setting, Precautions
- Safety Valve Setting: Constructional Test, Pre-Commissioning Tests, Commissioning, Protocol on Safety Valve Setting
- Commissioning of Soot Blowers: Readings for Operation with Steam (Mechanical), Check Up of Electrical System, Commissioning of Blowers without Steam

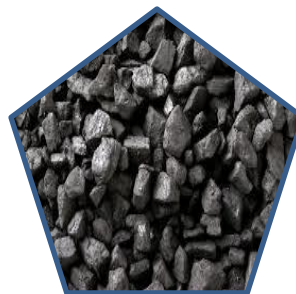
#### **Day 2 – Turbine and Auxiliaries, Acid Cleaning of Oil Pipelines, Lubrication and Governing System, Jacking Oil System, Governing System, Regenerative System, Boiler Feed Pump Commissioning, Barring Gear, Vacuum Tightness Test, Check List of First Rolling of Turbine**

- Turbines and Auxiliaries
- Acid Cleaning of Oil Pipelines: Passivation and Drying, Final Erection in Position, Safety
- Lubrication and Governing System: Preparation for Oil Filling in Man oil tank, Charging of Oil Systems, Oil Flushing Circuit of a Typical 200/210 MW Turbine Lube Oil System, Oil Flushing, Hydraulic Testing of Oil System, Additional Checks to be Made on Turbine Oil System
- Jacking Oil System: Oil Flushing, Relief Valve Setting, Preparation for Hydraulic Testing, Hydraulic Testing
- Governing System: Checking of Governing System
- Regenerative System: Preparations, Procedure, Shell Sides and Drain Lines of Heaters, Safety and Precaution, HP/LP Heaters
- Boiler Feed Pump Commissioning: Constructional Tests, Pre-Commissioning, Commissioning Tests
- Barring Gear: Preparation, Trial Run of Motor, Preparation for Putting The Barring Gear in Operation
- Vacuum Tightness Test: Preparation of the System Before Filling with DM Water, Vacuum Tightness Test By Filling Up with DM Water, Raising the Vacuum in Condenser
- Check List for First Rolling of Turbine (200/210 MW), Preparation, Preliminary Operation Before Rolling, Operation to Be Carried out For The Units with HP/IP Bypass System, Data to be Collected During Commissioning and Also After Loading to Full Capacity in 200/210 MW Turbine Generator Set

➤ **Day 3 – Generator and Auxiliaries, Generator, Commissioning of Seal Oil System, Hydrogen Gas System, Stator Water System, Rolling and Dryout of Generator, Electrical Equipment, Switchgear, Switchgear, Transformer, Commissioning Reports**

- Generator: Preliminary Checks of Resistance' Insulation Resistance, Ohmic Resistances, Generator Stator Winding, Generator Rotor Winding
- Seal Oil System: Equipment Inspection, Control Panels, AC Seal Oil Pump Motor Set, DC Seal Oil Pump Motor Set, Oil Injector, Induction Liquid Indicator, Seal Oil Coolers, Seal Oil Filters, Damper Tank, Differential Pressure Regulator, Pressure Oil Regulator, Exhaust Fan and Motor on The Drain Header, Exhaust Fan and Motor on Main Oil Tank, Commissioning of Seal Oil Starting Panel, Commissioning of Seal Oil Signaling Panel, Check with 200 V DC and AC Supplies, Trial Run of Seal Oil Pump Motors, DC Seal Oil Pump Motor, Trial Run of Exhaust Fans, Oil Flushing, Trial Run of AC Seal Oil Pump, Second Stage Flushing, Third Stage Flushing, Fourth Stage Flushing, Fifth Stage Flushing, Commissioning of The System
- Hydrogen Gas System: Equipment Inspection, Hydrogen Manifold, Carbon Dioxide Manifold, Hydrogen Gas Drier, Hydrogen Control Panel, hydrogen Cooling Water Pumps and Motors, Hydrogen Gas Coolers, Gas System Piping and Valves, Instrument, Gas Tightness Test of Generator with Gas and Seal Oil System, Requirements, Testing of CO2 Manifold Associated Elements and Piping, Testing of Gas Analyzer, Associated Elements and Piping, Final Gas Tightness test, Trial Run of Hydrogen Cooling Water Pump Motors, Trial Run of The Pumps, Charging Hydrogen Coolers, Conclusions
- Stator Water System: Equipment Inspection, Stator Water Cooling Pumps and Motors, Water Coolers, Water Filter, Magnetic Filter, Expansion Tank, Water Jet Ejector, Stator Water System Piping and Valves, Gas Trap, Instruments, Commissioning of Stator Water Starting Panel, Checks with 220 V DC and AC Supplies, Trial Run of Stator Cooling Water Pump Motor, Flushing of Stator Cooling Water System, First Stage Flushing (By pass all equipment except filters), Second Stage Flushing (Cooler B included), Third Stage Flushing (Cooling A included), Fourth Stage Flushing (Magnetic filters included), Trial Run of Stator Water Pumps (5<sup>th</sup> stage flushing), Commissioning of The System (Final run)

- Rolling and Dryout of Generator: Requirements for rolling, Requirements for Dryout, Rolling (200/210 MW Turbines) BTPS/SSTPP, Checks During Rolling, Dryout Operation, Hydrogen Filling in The Generator
- Electrical Equipment: Switchyard Equipment, 400 kV Air Blast Circuit Breaker, Pantograph Isolator, Horizontal Centre-Break Isolator, Current Transformers, Capacitor Voltage Transformer, Lightning Arrestor, Earthing Switch
- Switchgear: Description, Tests
- Transformer: Description, Tests, HT Motor, Tests, Format and Guidance for Commissioning Reports, Safety Rules Clearance Certificate, Record of Initial Operation Certificate, Procedure for The Control & Handling of Defects, Stage I: Requirements for the Issue of Safety Clearance Certificate, Requirement for the Internal Takeover Certificate, Stage IV: Internal Final Contract Certificate Up to Guarantee Period



## OTHER AVAILABLE COURSES

- [4 Pillars of Transformer Condition](#)
- [Advanced Project Finance for Power](#)
- [Advanced Technical Report Writing & Presentation Skills](#)
- [Advanced Turnaround Shutdown & Outage Management](#)
- [Ancillary Services in Competitive Electricity](#)
- [Asset Management for the Power Industry](#)
- [Best Practice Renewable Energy Capital & Project Management](#)
- [Biomass Power Generation](#)
- [CFB Combustion for Boiler Operations](#)
- [Clean Development Mechanism and Carbon Markets](#)
- [Coal Contracts](#)
- [Combined Cycle Power Plants Operation](#)
- [Combined Heat & Power \(CHP\) and Co-Generation Plant Operations](#)
- [Competency Management System for the Power Industry](#)
- [Design & Operations of Circulating Fluidized Bed Boiler](#)
- [Developing & Structuring Public-Private Partnership \(PPP\) for Infrastructure](#)
- [Effective Tender Process Management for Power & Utilities](#)
- [Electrical Hazop \(eHazop\) Studies for the Power Industry](#)
- [Electricity Demand-Side Management](#)
- [Electricity Industry Design](#)
- [Electricity Network Planning](#)
- [Electricity Retail Contracts](#)
- [Electricity Theft](#)
- [Electricity Trading Essentials](#)
- [Energy Efficiency](#)
- [EPC Contract Management for Power & Utilities](#)
- [Essentials of Coal Markets and Trading](#)
- [Essentials of Power Trading](#)
- [Excitation Systems](#)
- [Feed-In Tariffs for PV Systems](#)
- [Finance for Non-Finance Professionals in Power & Utilities](#)
- [Financial Modelling for Project Finance in Power & Utilities](#)
- [Fitness-For-Service AP1 579 & High Energy Piping Life Management](#)
- [Fundamentals of Geothermal Energy](#)
- [Fundamentals of Power Generation](#)
- [Gas & LNG Contract Negotiation](#)
- [Gas Turbine Generator Selection, Operation & Maintenance](#)
- [Gas Turbine Hot Gas Paths, Rotors & Failure Analysis](#)
- [Gas Turbine Major Inspection & Overhaul](#)
- [GE Gas Turbine Operations Simulation Based](#)
- [HRSG Design, Operations & Understanding, Controlling of HRSG Damage](#)
- [HV Substation Design & Construction](#)
- [IEC for Utilities](#)
- [Integration of Distributed Generation](#)
- [Introduction to Carbon Capture & Storage](#)
- [Introduction to Clean Coal Technology](#)
- [Introduction to Power Systems](#)
- [Keeping Electrical Switchgear Safe](#)
- [Leadership & Team Dynamics for Power & Utilities](#)
- [LNG Fundamentals](#)
- [LNG Markets & SPOT Trading](#)
- [Maintenance Planning & Scheduling](#)
- [Making IPP & Renewable Energy Projects Contract Frameworks Bankable](#)
- [Managing Complex Projects for Power and Utilities Professionals](#)
- [Medium Voltage & High Voltage Switchgear Metallurgy for Engineers](#)
- [Mechanical Engineering for Non-Mechanical Engineers](#)
- [Mini Hydro Project Analysis](#)
- [MKV Speedtronic Control System](#)
- [MK VI Speedtronic Control System](#)
- [Nuclear Energy Project Planning & Economics](#)
- [Nuclear Power](#)
- [Offshore Platforms Electrical Systems Design & Illustrations](#)
- [Operations of Coal Fired Power Plants](#)
- [Power Generation Commissioning, Operations & Maintenance](#)
- [Power Generation Operation, Protection & Excitation Control](#)
- [Power Plant Chemistry for Chemist & Chemical Engineers](#)
- [Power Purchase Agreements](#)
- [Process Control Methods](#)
- [Programmatic CDM](#)
- [Project Management for Power and Utilities](#)
- [Relay Protection in Power Systems](#)
- [Reliability Centered Maintenance Masterclass](#)
- [Reliability Engineering](#)
- [Renewable Energy Development & Investment](#)
- [Renewable Energy Integration](#)
- [Risk Based Inspection](#)
- [Risk Management in Power Markets](#)
- [Root Cause Analysis](#)
- [Rotating Equipment Maintenance & Reliability Excellence](#)
- [SCADA & Power Systems](#)
- [Smart Grid](#)
- [Solar Energy & Photovoltaic Power](#)
- [Spare Parts Optimisation](#)
- [Supercritical and Ultra-Supercritical Coal-Fired Power Plant](#)
- [Technical Report Writing & Presentation Skills for Power & Utilities Professionals](#)
- [Ultra Low NOx Gas Turbine Combustion](#)
- [Uninterruptible Power Supply](#)
- [Vibration Analysis & Condition Monitoring](#)
- [Waste to Energy Plant Operations](#)
- [Water Treatment and Corrosion Control for Steam Generation and Power Production](#)
- [Writing Effective Standard Operating Procedures \(SOP\) for Power & Utilities Professionals & Engineers](#)

## Frequently Asked Questions (FAQs)

**1. Does PowerEdge have other programmes than those listed?**

We have more than 200 programmes that we are capable of running. All we need is for you to contact us and request for the preferred programme and we will be able to develop it.

**2. Where is PowerEdge based?**

PowerEDGE is headquartered in Singapore but we run our training programmes in different venues around Asia.

**3. What does PowerEdge do?**

We are a Power & Utilities Training Specialist.

**4. Can this course be done in our city?**

It absolutely can. Get in touch with us to request for a training programme to be carried out in your city.

**5. Can you reduce the price of our preferred course?**

While our price has been reduced before it is even launched, we are always happy to help you with further discounts.

**6. Can you change the dates of the course?**

If you have a special requested date, let us know and we will arrange another session for you.

**7. Who are the companies that will be participating?**

This varies from a diversity of Power Operators, Regulators, Financiers, to Vendors in the Power & Utilities industry.

**8. Where is the venue for the course?**

We usually engage a 4 to 5 star hotel meeting room to ensure the comfort of our participants.

**9. How many delegates should we expect for each course?**

This varies from 15 to 20 participants. Class sizes are kept small to allow trainers to focus better on each participant.

**10. What are the different payment modes?**

We accept Visa/MasterCard, cheques, bank transfers and cash on site.

**11. Is accommodation included when I sign up for a course?**  
Accommodation is not included in the course fee but we are always happy to advise on available accommodations.

**12. Can I get a cheaper accommodation through PowerEdge?**  
We will be pleased to help you negotiate a better rate with hotels.

**13. Is lunch provided during the course?**

We provide lunch and 2 tea breaks every day during our training programmes.

**14. Are the training materials included once I have signed up for a course?**

Yes, training and course materials are included in the course fee.

**15. Will there be a certificate for the course?**

Yes, there will be a certificate of participation upon completion of a course.

**16. Who are PowerEdge trainers?**

They are expert consultants and practitioners with many years of experience in the subject matter that they deliver on.

**17. Are PowerEdge trainers competent?**

We have received numerous favourable feedbacks on our trainers from past participants.

**18. Can PowerEdge assist with Visa travel applications?**

We can assist in advising you on the relevant procedure(s) and embassies/consulates that provide Visa for travel purposes.

**19. Can we purchase training materials without attending a course?**

Unfortunately this option is not available as training materials are specially developed for courses.

**20. Can course content be tweaked to cater to our needs?**

Of course! Just let us know your request and we will get the trainer to assist in carrying it out.

**COMMISSIONING AND START-UP ACTIVITIES OF COAL POWER PLANTS: 22 – 24 MAY 2017, SINGAPORE**

	PER PARTICIPANT	2 PARTICIPANTS OR MORE	IN-HOUSE TRAINING
3 Day Programme	SGD 2,900 Per Participant	SGD 2,500 Per Participant	Guaranteed Minimum 40% Off Normal Price
	*SGD 3,103 Per Participant (GST Inclusive)	*SGD 2,675 Per Participant (GST Inclusive)	

\*GST FOR SINGAPORE REGISTERED COMPANIES

**ATTENDEE DETAILS**

Name ..... Job title .....

Tel ..... Department ..... Email .....

Name ..... Job title .....

Tel ..... Department ..... Email .....

Name ..... Job title .....

Tel ..... Department ..... Email .....

Name ..... Job title .....

Tel ..... Department ..... Email .....

Name ..... Job title .....

Tel ..... Department ..... Email .....

**COMPANY DETAILS**

Organisation name ..... Industry .....

Address .....

Postcode..... Country.....

Tel ..... Fax.....

**PAYMENT METHODS**

By Cheque/ Bank Draft: Make Payable to PowerEdge Pte Ltd.

By Telegraphic Transfer: Please quote AE1 with the remittance advise

Account Name: PowerEdge Pte. Ltd.

Bank Code: 7339 Branch code: 686 Account Number: 686-253386-001 Swift Code: OCBCSGSG

Bank Address: 65 Chulia Street OCBC Centre, Singapore 049513

All bank charges and payment in Singapore dollars (SGD) to be borne by payer. Please ensure that PowerEdge Pte Ltd receive the full invoiced amount.

**PAYMENT POLICY**

Payment is due in full at the time of registration. Full payment is mandatory for event attendance. I agree to PowerEdge Pte Ltd. payment terms

\* GST- Exclusive price is only applicable for overseas corporate customers subject to qualifying conditions.

**CANCELLATIONS & SUBSTITUTIONS**

You may substitute delegates at any time. POWEREDGE PTE LTD does not provide refunds for cancellations. For cancellations received in writing more than seven (7) days prior to the training course you will receive a 100% credit to be used at another POWEREDGE PTE LTD training course for up to one year from the date of issuance. For cancellations received seven (7) days or less prior to an event (including day 7), no credits will be issued. In the event that POWEREDGE PTE LTD cancels an event, delegate payments at the date of cancellation will be credited to a future POWEREDGE PTE LTD event. This credit will be available for up to one year from the date of issuance. In the event that POWEREDGE PTE LTD postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive a 100% credit

**RELATED TRAINING**

- ✓ [Keeping Electrical Switchgear Safe](#)
- ✓ [Introduction to Power Systems](#)
- ✓ [Excitation Systems](#)
- ✓ [Fundamentals of Power Generation](#)

**ON SITE TRAINING**

Can't make it for the Course?  
We'll make the course come to you!!

Simply let us know your preferred time and dates and we will meet you at your schedule and venue.

With a host of highly trained experts, we will be happy to customize your programme with your needs 100% fulfilled.

Contact us today at

✉ info@poweredgeasia.com  
☎ (65) 6741 9927

