Energy
Market
Company

EMC Training Programme

Understanding Electricity Markets

Intensive training course over 2.5 days

Time
10:00am – 6:00pm

Venue
Singapore
To be confirmed for each course

*EMC may adjust the course fees to reflect the costs for the venue, food, and other Safe Management Measures (SMM) imposed by Singapore Government due to Covid-19. Participants will be subject to the prevailing SMM throughout the duration of the course.

Understanding Electricity Markets

Bringing Theory and Practice Together

EMC, the market operator of the National Electricity Market of Singapore (NEMS) has developed a training course that allows course participants to understand electricity markets, with a particular focus on the NEMS and its unique features.

Having played a key role in the establishment of the current market, which commenced on 1 January 2003, EMC is in a unique position to bring theory and practice together in understanding electricity market design. EMC combines the expertise and perspectives of engineering, economics and regulatory issues into a course that explores the fundamentals of electricity market theory and practice.

Course Presenters

Course presenters will be EMC staff who are directly involved in the operation of the NEMS. You will benefit from the expertise and insight that only practitioners can provide.

Who should attend?

- Anyone who is interested in taking an in-depth look at how electricity markets work in both theory and practice.
- Executives and managers from the electricity, energy, legal and banking sectors as well as government officials, regulators and consultants.

Why should you attend?

- Learn about the typical path of electricity industry reform from a vertically integrated utility to a competitive market.
- Get an overview of some of the key debates surrounding electricity market design.
- Gain an in-depth understanding of how the NEMS operates on a daily basis.
- Understand the key factors underpinning prices for electricity and ancillary services.

EMC Training Programme

Day 1

Session 1
Basic Understanding of Electricity & Electricity Markets

- How do the physical aspects of electricity generation affect the electricity markets
- What are the basic economic concepts behind electricity markets' design
- What are the goals and potential issues in a typical electricity market reform process
- What kind of regulations are required for a liberalized market
- Case Study: Singapore's reform process: What are the changes to Singapore's electricity sector over the past decades

Session 2
National Electricity Market of Singapore (NEMS) & it's Unique Features

- Who are the stakeholders and their role in NEMS
- What are the unique features in NEMS
- What kind of products are traded in NEMS
- How to EMC as the market operator clear the market
- How can demand side management participate and influence the price discovery process in NEMS
- What are the governance and regulatory tools in place to safeguard the integrity of NEMS

Day 2

Session 3
Pricing Mechanism & Economic Dispatch

- What is inside the Market Clearing Engine (MCE)
- How is nodal pricing implemented in the MCE
- How are the various energy, reserve and regulation markets co-optimized in NEMS

Session 4
Market Settlement & Credit Risk Management

- How are the products traded in NEMS settled
- How to understand the line items in your NEMS invoice
- What are the safeguards in place to ensure the financial integrity of NEMS
- How do we manage risk in NEMS

Day 3

Special Topics (TBA)

Note: The information contained herein is correct at time of printing. However, EMC reserves the right to change the date, time, content or format of the course at its sole discretion without notice.

Registration Form

To register, please fill out this form.

Course Date

Course participant

Salutation	☐ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Prof.
First Name	
Last Name	
Job Title	
Department	
Company	
Address	
Postcode	
Mobile Number (Compulsory)	

Invoice details if different from course participant

First Name	
Last Name	
Job Title	
Department	
Company	
Address	
Postcode	
E-mail	
Telephone	
Dietary restrictions	No Pork, No Lard / Vegetarian / etc

How to register: Send the scanned form to: trainingprogramme@emcsg.com

Payment method:

- Others ☐ S$2,398 (inclusive of 9% GST)
- MP* ☐ S$2,071 (inclusive of 9% GST)

***MP is a NEMS Market Participant or NEMS service provider registered with EMC**

Important note

Attendance will only be confirmed upon receipt of payment.
All payments must be received before the course start date unless other arrangements have been made with EMC.
Please note that all bank charges incurred for telegraphic transfers have to be fully borne by the applicant.

Enrolment conditions

If after registering, you are unable to attend, another person may replace you. Cancellations must be in writing. A full refund less an administrative fee of S$272.50 (inclusive of 9% GST) will be given for cancellations received 15 working days before the course start date, a 50% refund for cancellations received between 6 and 14 working days before, and no refund for cancellations thereafter. We may vary the course date, programme, speakers and venue. If we cancel the course, fees will be fully refunded.

For administrative and record purposes, we may require some personal data from you and your consent is deemed to be given when you fill up this form. We assure you that we comply with the Personal Data Protection Act.

By signing where indicated below, I acknowledge that I have read, understand and agree to the terms and conditions stated in the 'Important note' and 'Enrolment conditions' of the form.

Signature: _____ Date: D D / M M / Y Y Y Y

Enquiries: For enquiries please e-mail trainingprogramme@emcsg.com or contact the training coordinator at +65 6779 3000.
Website: Visit www.emcsg.com for more details or to download another copy of this form.