

SGD 2748 for
2
Participants
or More

Second Run in Asia!

WHOLESALE ELECTRICITY MARKETS

23 – 24 APRIL 2018, KUALA LUMPUR, MALAYSIA

TOPICS COVERED

Overview of physical and financial power markets

Regulatory intentions of creating a futures market

Successful product design depending on a given physical market

Risk management in utilities using derivatives

Market making for futures, and incentives for market making

Information disclosure for futures markets

Market surveillance for futures market

Expert Course Faculty Leader



DR. MATTHIAS OBERT

About This Training Course

The course will provide a good overview of electricity markets and electricity futures markets around the world, their stages of development, and a first-hand in-depth understanding of the challenges facing nascent power markets when launching a forward or futures market, options of addressing these challenges through product design, incentives, industry engagement and other measures. The course explains the positive effects of a futures market, the new opportunities it brings for utilities' risk management, as well as regulatory questions.

By attending this 2 day programme you will be able to understand

- Various electricity markets around the world
- The business, social and economic benefits of power market liberalization
- Successful project setup for power market liberalisation
- Product types and product design that fits the underlying physical electricity market
- The history and experience of creating electricity futures markets
- The crucial function of market making in futures, and what functions the market maker has to perform
- Information sharing and surveillance in futures market that are necessary for market participants to trust and use the market
- Best/practice risk management in a utility operating in liberalized energy markets
- Resulting organizational setup of the utility

Who Should Attend & Course Prerequisites

- Energy industry managers
- Policy makers and regulators
- Risk managers
- Physical and financial exchange staff

There are no prerequisites to attend this course, but a basic understanding of the energy industry and derivative markets will help

Your Expert Faculty Leader

Matthias Obert is Trading Manager for Buri Energy in Singapore, responsible for trading in electricity, oil and gas markets.

Prior to Buri, he was Head of Power & Gas at SGX and responsible for the development of the energy business within SGX, comprising derivatives in electricity, LNG, oil and petrochemicals, as well as physical energy business in electricity, gas and LNG.

Prior to SGX, he worked with RWE Supply & Trading as Senior Investment Manager Principal Investments as well as Chief Operating Officer Sales & Origination in London and Geneva. Before this, he was a Consultant with McKinsey & Company, working for European and international clients in the energy, materials and wholesale banking sectors.

Mr. Obert holds a diploma in industrial engineering as well as a doctorate degree from the University of Karlsruhe, Germany, and an MBA from the University of North Carolina, Greensboro, USA.

2 Day Course Outline

DAY 1

Overview of physical and financial power markets

- Overview of various electricity markets: Nordpool (Northern Europe), EPEX/EEX (Western Europe), GCCIA (Gulf), NEMS/SGX (Singapore), NZEM (New Zealand), KPX (Korea) in terms of history, physical and financial volume
- Characteristics of market structures
- Stakeholders in the markets: TSO, market operator, clearing house, members, utilities, independent retailers
- Case study: Volume growth and product development in the small derivative market of New Zealand

Regulatory intentions of creating a futures market

- The 'social value' of an electricity forward curve
- Lower entry barriers for generators
- Support for independent retailers and downstream competition
- Direct purchasing for large electricity users
- Case study: Regulatory considerations in the case of the Western European and the Singaporean electricity derivatives markets

Successful product design depending on a given physical market

- Physical market characteristics that influence derivative design, like intra-day price swings and seasonal price patterns
- Various electricity derivative types
- Designing derivative products for an underlying physical market
- Considerations of tenor and cascading
- Mapping line constraints and regional pricing to product design
- Which customer types need what kind of products
- Settlement process for derivatives: Margining, daily settlement price (with particular focus on the peculiarities of electricity, what works and what doesn't work), final settlement price, settlement for options based products
- Case study: Product development in Nordpool (Northern Europe) and NZEM (New Zealand)

DAY 2

Risk management in utilities using derivatives

- Management of physical risks with available financial derivatives
- Organizational setup of a utility's risk management functions
- Risk transfer within a utility
- Introduction to hedge accounting
- Case study: Organization and risk transfer within a European utility

Market making for futures, and incentives for market making

- Role of a market maker
- Who can be a market maker
- Risks and risk management in market making
- Options to incentivize market makers
- Regulatory options to foster liquidity in futures
- Case study: Market making on EEX and SGX

Information disclosure for futures markets

- How is market power exercised in electricity markets, and what mitigants are available
- What information disclosure is critical for non-physical market participants to trust a futures market and actively trade it
- The trade-off between usefulness of a futures market for physical market participants, and extensive disclosure to give financial market participants comfort in the market
- Introduction to REMIT as an example
- Case study: Voluntary transparency initiative by Western Europe utilities

Market surveillance for futures market

- Physical and financial market regulation – differences and requirements
- Surveillance for financial power markets, with ACER as an example
- Information sharing between physical and financial oversight bodies
- Case study: Surveillance and information sharing between financial and physical markets in Singapore

WHOLESALE ELECTRICITY MARKETS
23 – 24 APRIL 2018, KUALA LUMPUR, MALAYSIA

	PER PARTICIPANT	2 OR MORE PARTICIPANTS	IN HOUSE TRAINING
2 DAY PROGRAMME	S\$2,948 PER PARTICIPANT	S\$2,748 PER PARTICIPANT	GUARANTEED 40% OFF NORMAL PRICE

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 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

4 ways to Register

- 🌐 Online Web Registration
- ✉ info@poweredgeasia.com
- ☎ (65) 6741 9927
- 📠 (65) 67478737

RELATED TRAINING

- ✓ [Fundamentals of Power Generation for Non-Technical Professionals](#)
- ✓ [Competency Management System for the Power Industry](#)
- ✓ [EPC Contract Management for Power & Utilities](#)

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

