

# E-Learning Knowledge is Power.



Trader Certification



Basics about the Electricity Market



Compliance



Flow-Based

- Designed by experts
- Interactive training courses
- Available in English, German and French
- Unlimited access for one year
- Accessible via computer and tablet
- Multi-user packages

# Training courses available to all

## Basic knowledge



### Basics

#### What is a power system?

Supply and demand, economic organization, operational characteristics, prices and balancing.

#### Power generation <sup>(3)</sup>

Economic fundamentals, roles and technical characteristics of generation units. Influence on energy costs and electricity prices.

### Market & Trading

#### What is a power exchange?

Types of exchanges, involved parties, characteristics of products, trading, market results, settlement and delivery.

#### Market coupling in Europe

Main players, principles and advantages. Calculation algorithm EUPHEMIA. Calculation method of interconnection capacities ATC and Flow-Based.

#### Participating in the electricity wholesale market

Opportunities and risks of the power market. Case studies, examples of trading, price behaviour.

#### Capacity mechanism <sup>(3)</sup>

Functioning of the mechanism, supplier's obligations, allocation of capacity credits to generation units, demand side management.

#### Basics about clearing and focus on ECC

Involved parties, their roles, the process, guarantees. Presentation of ECC. Regulatory framework, for spot and derivatives markets.

### Compliance

#### VAT fraud

Definition of VAT, examples, details about VAT fraud, measures and action plan.

### Flow-Based

#### M1-Refresh your knowledge about TSOs and ATC <sup>(2)</sup>

Roles of TSOs, cross-border capacity calculation and allocation, types and timeframes. Market coupling principles, ATC vs. Flow-Based.

#### M2-Understand Flow-Based methodology <sup>(2)</sup>

General concepts, physical vs. commercial flows, net position, PTDF definition, critical branches. Impact on prices, congestion cases, price spreads.

Expert level



### Power consumption <sup>(3)</sup>

Daily, weekly, seasonal patterns, impacts of weather, tariff structures, major media events. Potential impact of electric vehicles, energy efficiency policies.

### EPEX SPOT trading handbook for non-members <sup>(4)</sup>

Detailed information on the operational aspects of the power market, rules, regulation, products, markets. Including information about the capacity market and the local flexibility market.

### Balance responsible parties and balancing market <sup>(3)</sup>

Basics mechanisms that rule exchange of electricity in France, supply demand adjustment in real time, financial risk of balance responsible parties.

### M3-Learn more about Flow-Based capacity calculation <sup>(2)</sup>

Calculation of provided data by TSOs, critical elements monitoring, PTDFs and GSKs, Shadow Auctions, Intraday ATCs, Hybrid price coupling.

### M4-Grasp Flow-Based parameters and its impacts for traders <sup>(2)</sup>

Comparison before/after impacts on market coupling and trading, specificities of market price formation under Flow-Based constraints.

# Exclusive for Members



## Trader Certification

### EPEX SPOT trading handbook (with Exam) <sup>(1)</sup>

Day-Ahead, Intraday, 15-Min. Intraday Call Auction Germany. Detailed information on the operational aspects of the power market, rules and regulation, products, markets, online trading demos, fallback procedures.

### EPEX SPOT capacity market (with Exam)

French Capacity Market Auction. Detailed information on the operational aspects of the power market, rules and regulation, products, markets, online trading demos, fallback procedures.

### EPEX SPOT local flexibility market (with Exam)

Understand the upcoming challenges of the power grids and show a possible way to solve them. Importance of congestion management and why flexibility is needed, the @enera pilot flexibility market, marketplace characteristics and rules.

(1) One free training for new members

(2) In cooperation with Rte France

(3) In cooperation with Rte International

(4) With restrictions



More information and demonstration videos available at: <http://www.epexspot.com/en/elearning>

## Pricelist

## Multi-user packages

	Single User	up to 5	up to 10	up to 20	up to 100
<b>Certification</b>					
EPEX SPOT trading handbook	500 €		2500 €	3800 €	5000 €
EPEX SPOT trading handbook (with Exam)	650 €		4000 €	6000 €	8000 €
EPEX SPOT capacity market (with Exam)	250 €				
EPEX SPOT local flexibility market (with Exam)	250 €				
<b>Basics</b>					
What is a power system?	450 €		2500 €	3000 €	3600 €
Power generation	500 €	2000 €	3200 €		5500 €
Power consumption	500 €	2000 €	3200 €		5500 €
<b>Market &amp; Trading</b>					
What is a power exchange?	450 €		2500 €	3000 €	3600 €
Participating in the electricity wholesale market	450 €		2500 €	3000 €	3600 €
Basics about clearing and focus on ECC	500 €		2500 €	3800 €	5000 €
Market coupling in Europe	750 €		4500 €	5500 €	7000 €
Capacity mechanism	500 €	2000 €	3200 €		5500 €
EPEX SPOT trading handbook for non-members	650 €		4500 €	6500 €	8500 €
Balance responsible parties and balancing market	500 €	2000 €	3200 €		5500 €
<b>Compliance</b>					
How to fight against VAT fraud?	450 €		2500 €	3000 €	3500 €
<b>Flow-Based</b>					
M1-Refresh your knowledge about TSOs and ATC	650 €	2600 €	4000 €		6000 €
M2-Understand Flow-Based methodology	650 €	2600 €	4000 €		6000 €
M3-Learn more about Flow-Based capacity calculation	650 €	2600 €	4000 €		6000 €
M4-Grasp Flow-Based parameters and its impacts for traders	650 €	2600 €	4000 €		6000 €
<b>Packages</b>					
Flow-Based introduction (M1+M2)	1000 €	4000 €	6000 €		9000 €
Full Flow-Based (M1+M2+M3+M4)	2000 €	8000 €	12000 €		18000 €
Power System & Trading (What is a power system?)	1150 €		6250 €	7500 €	9000 €
What is a power exchange? How to use a power exchange?)					

Contact us for more information:  
 elearning@epexspot.com  
 +33 (0)1 73 03 62 62

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