

PLEXOS Beginner Training

Novotel Warszawa Centrum

Warsaw	Wednesday, 28 March 2012	Warsaw	Thursday, 29 March 2012	Warsaw	Friday, 30 March 2012
Day 1	Getting Started	Day 2	Understanding the core	Day 3	Extended Features
		08:30	Arrival tea/coffee	08:30	Arrival tea/coffee
		09:00	PLEXOS modelling framework (i) <ul style="list-style-type: none">- Core problem formulation and extension- Solution algorithms and strategies- Min stable level, min up/down times	09:00	Long-term modelling <ul style="list-style-type: none">- Long-term fundamentals and formulation- Generation capacity expansion- Transmission capacity expansion overview
9:30	Training Registration/Arrival tea & coffee	10:45	Morning break	10:45	Morning break
10:00	PLEXOS interface and data model(I) <ul style="list-style-type: none">- Requirements, installation and upgrade- Basic PLEXOS workflow- Data entry, import and export	11:00	Pricing <ul style="list-style-type: none">- Marginal pricing example- Start and no-load costs- Price uplift mechanisms	11:00	Extended capabilities (i) <ul style="list-style-type: none">- Price-based unit commitment- Multi-commodity trading and contract modelling
12:00	Lunch	12:45	Lunch	12:45	Lunch
13:00	PLEXOS interface and data model(II) <ul style="list-style-type: none">- Setting up base case: Topology- Dynamic data specification- Solution viewer	13:45	Dispatch and resource allocation <ul style="list-style-type: none">- Simulation phases overview- Hydro & Pumped Storage Optimisation- Constraint modelling and decomposition	13:45	Extended capabilities (ii) <ul style="list-style-type: none">- Markets- Outages and maintenance scheduling
15:00	Afternoon break	15:00	Afternoon break	15:00	Afternoon break
15:15	PLEXOS interface and data model(III) <ul style="list-style-type: none">- Scenario-based risk analysis- Fuels and emissions modelling- Renewable resources	15:15	Short-term modelling extensions <ul style="list-style-type: none">- Stochastic sampling of input data- Ancillary services	15:15	Final Overview <ul style="list-style-type: none">- Overview of course / open questions- Review of important simulation settings
17:30	End of day one	17:00	End of day two	17:00	End of introductory training

