Optimal Design using Simulation Based methodology Training (Course #DB-341)

About the Course:

Power Analytics' Optimal design course is a 4-hour, online workshop covers power systems modeling using a CAD systems for design and analysis; tips in modeling a power system; organizing a project that refers to modeling a power system; project model layout, multiple pages model layout; Multiple drawings model layout; both multiple pages and drawings model layout; sizing the model page; largest number of buses per one page model; modeling the power system components, types of simulations in power systems (Power Flow; Short Circuit Analysis; Protective Device Coordination (PDC); Cable Ampacity; Induction Motor Parameter Estimation; Advanced Motor Starting; Transmission Line Parameters; Advanced Substation Grounding Grid Design; Cable Pulling; AC and DC Arc Flash; Power System Reliability; Electromagnetic Transient Analysis; Advanced Transient; Power System Optimization; Voltage Stability and Contingency Analysis, etc); drawings and models, generic approach in modeling a power system, model page size, text size, model components identification, organizing and collecting the model input data, templates for collecting data from the client, how to complete a model, numerical examples on power flow, short circuit, protective device coordination, protective device evaluation, arc flash.

Total Course Length: 4 hours

Why You Should Attend:

1. Understand basic concepts of power system analysis and operations
2. Learn the latest information on power system modeling
3. Understand how to organize a project in system modeling
4. Learn tips and how to use templates for collecting the input data
5. Understand how to complete a project for power flow, short circuit, PDC, PDE, and arc flash

Prerequisites:

• Basic knowledge of electrical circuits
• Power Systems experience a plus
• Ability to log onto a webex online

Course Fees and Registration:

Please Contact Jadranka Bozinovska at Power Analytics to reserve your spot!
(Accommodation information will be provided at time of registration)
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San Diego, CA 92127
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Training rates for 2013 classes are:
$300 per student