



POWER ANALYTICS™  
*Foresight as accurate as hindsight.™*

## **Introduction to Modeling and Design of Wind Farms Training** **(Course #DB-371)**

### **About the Course:**

Power Analytics' Introduction to Modeling and Design of Wind farms course is a 6-hour, online workshop covers covers the current trends in wind power industry: evolution of US commercial wind technology, in land and offshore development, factors to be considered in designing a wind farm, concepts for wind turbines, wind turbine systems, SVC solutions, typical SVC systems, requirements for higher penetration, fault ride through recovery profile, voltage sags compensation, power electronic converters for distributed generation, characteristics of wind power generation, number of wind turbines within a wind farm, consumer requirements, requirements from wind farm operators, the integration issues, generators and power electronics for wind turbines, wind turbines/generator manufactures, generic approach on wind farm modeling, generic wind farm layout and system components, generator reactive power capability, farm reactive power capability curve, modeling of wind farms.

Total Course Length: 6 hours (Split over 2 days)

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### **Why You Should Attend:**

1. Understand basic concepts of power system analysis and operations
2. have the opportunity to learn the latest information on wind farms systems design and modeling
3. better understand the wind farm system operation and modeling
4. gain a higher level of confidence to model and conduct power system studies with wind farms and wind farms penetration guidelines.

### **Prerequisites:**

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

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10805 Rancho Bernardo Road, Suite 270  
San Diego, CA 92127  
(858) 675-9211



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## Course Fees and Registration:

Please Contact Jadranka Bozinovska at Power Analytics to reserve your spot!

(Accommodation information will be provided at time of registration)

10805 Rancho Bernardo Road, Suite 270

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(858) 675-9211

jbozinovska@poweranalytics.com

### Modeling and Design of Wind Farms Training (Course #DB-371)

*Training rates for 2013 classes are:*

\$500 per student

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