



DIGITAL SOLUTIONS

INTRODUCTION TO WINDFARMER: ANALYST AND SCRIPTING

Course code: WF-02
Duration: 1 day

Prerequisite:
Prior knowledge of the wind resource energy assessment process is required.
No prior knowledge of C# programming is required.

DESCRIPTION

In this course you will learn about wind farm design using WindFarmer: Analyst software. The process of wind farm design involves a number of disciplines and skilled use of sophisticated software tools. These methodologies will be examined, discussed and applied under the guidance of our trainer. You will also learn how to use the Scripting functionality in WindFarmer: Analyst to give you the ability to perform more detailed analysis and customize calculations.

LEARNING OBJECTIVES

This course will equip you with an understanding in the use of WindFarmer: Analyst software, with particular focus on the following areas:

- Download and import GIS data
- Measured data: import, visualize, clean and correlate
- Predict long-term climate
- Model windflow
- Simulate wakes and perform energy calculations
- Optimize layout
- Export results and generate reports

Scripting functionality will focus on the following areas:

- Basics of C#
- Writing your first script
- Automate calculations

TARGET GROUP

Engineers who want to learn more about the area of, or is working with, wind farm design and how to reduce timelines and costs at the development stages of a project using WindFarmer: Analyst.