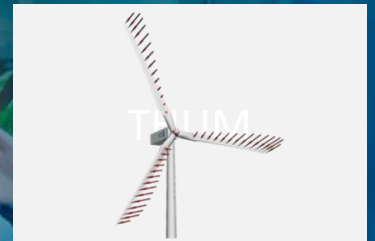


SIMPACK WIND

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Simpack
Disciplines: Motion & Multibody System

Audience
 Simpack users planning to build up and analyze wind turbine models in Simpack.

Why take this course?

This course explains how to set up wind turbine models in Simpack, how to use the rotorblade generator with linear and nonlinear SIMBEAM elements, wind specific elements (including the interfaces to AeroDyn and HydroDyn), and how to use the Simpack wind load calculation tool.

What will you learn?

Upon completion of this course you will be able to:

- Understand Simpack Wind turbine applications
- Model structural components (onshore and offshore foundation, tower, nacelle)
- Generate and model Rotorblades in Simpack
- Conduct Aero- and Hydro-elastic simulation
- Use the Load Calculations Tool
- Model high fidelity drivetrains
- Conduct a resonance analysis according to GL 2010

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Model and analyze the dynamic behavior of multibody systems for accurate motion and vibration predictions.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

The prerequisites for this course are successful completion of the courses:

- Introduction to Simpack
- Simpack Flexible Body

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

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