

Vibro-Acoustics (VA One) - SEA - General Applications

2 Days

DURATION

2

MODULES

11

TOPICS

COURSE OVERVIEW

This course focuses on an introduction to Vibro-Acoustics (VA One) SEA. This course includes the building of simple SEA subsystems as well as performing analysis and using noise control treatments.

WHO THIS COURSE IS FOR

- NVH Engineers, Acoustic Test Engineers, etc.

TOOLS AND REQUIREMENTS

- Basic knowledge of acoustic, NVH, and of CAE software.

LEARNING OBJECTIVES

What You Will Learn

- Learn how to use Vibro-Acoustics (VA One) SEA module to solve high frequency vibroacoustic problems where deterministic methods cannot be used.

COURSE SYLLABUS

2 Modules, 11 Topics

01

Introduction to Vibro-Acoustics (VA One) and SEA

TOPICS

- Basics of Statistical Energy Analysis
- Introduction to Vibro-Acoustics (VA One) (GUI, Database)
- SEA subsystems (structural and acoustic)
- Inputs and Analysis
- Noise Control Treatments
- Exercises: basic examples for the trainee to understand how to build and solve a model.

02

Introduction to Vibro-Acoustics (VA One) and SEA

TOPICS

- SEA subsystems (structural and acoustic)
- Inputs and Analysis
- Noise Control Treatments
- Introduction to specific application (Trim Modeler, Virtual TL, Foam)
- Overview of the industrial application (auto, aerospace, marine)

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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info@koenig-solutions.com