

Fundamentals of railway vehicle systems engineering

42

Seminar-No. 03.01



Online-Seminar*

DATES & COSTS

On-demand Nuremberg
 Length: 1 Day
Fee: **700,00 €**

incl. lunch and certificate of participation
 plus VAT
 * On-demand

TARGET GROUP

- Technician
- Engineers
- Project planners or developers in the railway industry or intending to work in this sector

LANGUAGES



DESCRIPTION

The seminar offers an introduction to the systems engineering of modern locomotives and multiple units.

In system engineering, vehicle and train-wide functions are considered, for which different disciplines of engineering sciences are usually used. For example, the brake of a modern high-speed train consists of mechanical, pneumatic, electrical, electronic and control functions. The desired vehicle function is only achieved through their interaction.

The seminar describes rail vehicles in their entirety and you will be given a clear overview of how the essential system components function and how they interact in railway vehicles.

In this context, the points of contact with current approval processes and the relevant technical terms are also explained.

SEMINAR CONTENTS

DAY 1 09.30-17.00

- Operation of a rolling stock; explanation of the essential control and display elements
- Drive: Functions, concepts and systems
- Brake: function and mode of operation, systems
- Auxiliary and ancillary operations
- Driving supervision: Sifa and train protection systems
- Round of discussions