

# PSIMBOOK EXERCISE

Unified documentation and simulation environment

## Documentation and simulation all in one!

PsimBook Exercise is a set of exercises that cover various subjects of power electronics and motor drives, including distribution transformers, phase-controlled rectifiers and ac/ac converter, unified powerflow controller, dc motor control, and induction motor scalar and vector control. Each exercise includes specific objectives, industrial background, required knowledge and resources, problems and questions, schematic circuits required to solve the problems and answer questions, and the answer kit.

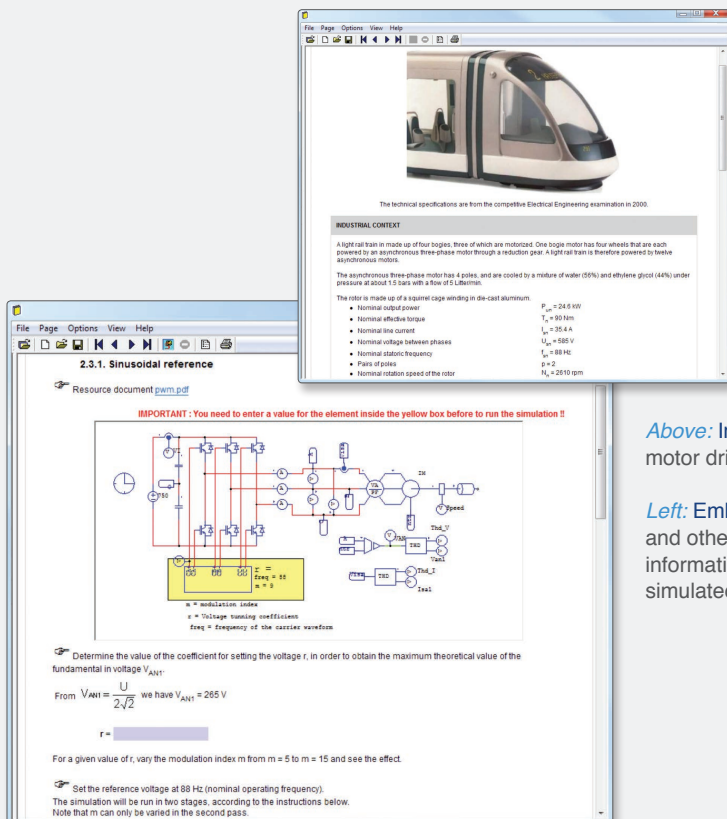
Unlike an e-book, the PsimBook Exercise has the unique feature that schematic circuits in the

exercise document are live and fully interactive, and can be simulated by the PSIM simulation engine. Users will be able to study the operation of a circuit, understand the industrial context, change circuit parameters, and run the simulation, all in one integral environment.

PsimBook Exercise is ideally suited for teaching, training, and education.

## FEATURES AND BENEFITS

- Integrated environment of documentation and simulation
- Easy to use
- Ideal for beginners of power electronics and motor drives



**Above:** Industrial context of induction motor drive

**Left:** Embedded PSIM schematic and other text and background information—the schematic can be simulated

