

EAST ASIA TRAINING & CONSULTANCY PTE LTD

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Discrete Event Simulation for logistics using ExtendSim

(2 - day Professional Development Workshop)

Objective

Discovering tools and techniques for advanced models, being able to add complex features or interface to your models and programming rich equations and simple blocks.

At the end of this training, ExtendSim users will be able to build discrete event simulation models. Course covers basic use of ExtendSim software, description of most useful blocs present in Items library and application exercises based on simplified industrial logistic real cases.

Training is in English on Latest ExtendSim.

Prerequisite

Basic knowledge of simulation concepts and ExtendSim software are essential. Some knowledge of programming is useful but not mandatory.

Who Should Attend

This course is aimed at engineers, consultants and managers in Industrial Engineering, Logistics, Manufacturing, Planning Departments or anyone who wants to construct discrete event simulation models.

Please email your completed registration form to us to reserve your seat.

If you need assistance in locating hotel accommodation in the area, please contact us at administrator@eastasiatc.com.sg

This is a “hands-on” workshop and attendees are required to bring their own pre-installed laptops with the latest version of the software.

Course Outline (subject to minor changes)

Morning day 1

What is discrete event simulation – Building simple models for operations – Truck reception exercise – Sizing a waiting parking - Defining number of loading quays.

Afternoon day 1

Entities attributes and priorities – Outputs of a model – Shared resources – Random distributions and hazards in a simulation model.

Morning day 2

Database - Organizing data in a model - Batching - Unbatching entities.

Afternoon day 2

Hierarchical blocs and model animation – Building your own libraries for complex models like chain models.

Note that specific examples can be made on demand in advance based on cases previously submitted by attendees.

Course Materials Supplied

- ✓ Course materials with case studies
- ✓ Solution files for all case studies and exercises
- ✓ Certificate of Completion

General Notes

- ✓ The data sets discussed in the case studies will be provided. However, attendees are encouraged to bring their own data sets.
- ✓ All case studies and examples will use real data sets, which were taken from industrial applications.