

## Load Collision Prevention System (CR-LCPS)

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### Short Description

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The course is mainly focused on a seamless integration and commissioning of the LCPS system into RTG Crane Controls. LCPS key components include IPC, 3D/2D Lasers and runtime system.

### Objectives

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### Target Group

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Crane software engineers and commissioning engineers who have to engineer / commission SIMOCRANE LCPS

### Content

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To understand:

- functionality and system behavior
- system composition and involved components
- communication between subsystems
- configuration, settings and calibration
- maintenance points of attentions

Able to:

- commission LCPS step by step
- preset the system
- calibrate the system including laser scanners
- check system on completeness in hardware and software
- verify system functionality

### Prerequisites

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Knowledge of cranes functionalities

Long-term experience in commissioning crane installations

Knowledge of quality of installation works like grounding and EMC requirements

In possession of the required commissioning tools:

a. Siemens Field PG or a Notebook/Laptop with:

- TIA software Portal V13 SP1Upd5 inclusive license key
- SIMATIC STEP 7 Safety Advanced V13 inclusive license key
- PROFIBUS adapter with PROFIBUS cable for downloading TIA project

b. Others:

- Ethernet cable for remote connection to Microbox IPC
- USB stick 16GB for image creation (image creator SW with license necessary)

### Type

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Face-to-face training

### Duration

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3 days

### Language

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en

### Fee

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1,600 EUR