Mobile Crane

Interactive simulation based on Virtual Reality techniques has become a powerful tool for training purposes, especially in activities which involve high risks and costs, as it is the case for Mobile Cranes.

LSyM simulator offers a series of theoretical and practical exercises designed to provide the user with an instructional system that mimics reality.

Our exercises are divided into learning blocks and categorised by type of operation.

During each exercise various elements such as avatars (people), accessories, containers, ships, tractors, etc. may appear to hinder or help in the course of exercise.

Mobile cranes are versatile machines that can execute different operations such as lift, move, position, and place materials and equipment. Manipulation of such machines requires mobile crane operators to gain a full command of various skills. Our practical exercises are designed to help to develop all necessary skills.

Exercise blocks:

1. Block: Getting familiar with controls
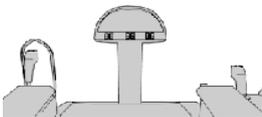
In this initial block, the user must practice the recognition and operation of the mobile crane controls.

2. Block: Basic movements of hoist/hook

In these exercises the user must practice and control the movement of the boom and the hook pulley.

3. Block: Horizontal control of loads

In these exercises, the user must practice manoeuvres of horizontal control of loads following a specific trajectory.

4. Block: Load movement

This block is focused on moving loads with obstacles and interacting with various elements of the working environment.

5. Block: Heavy load lifting

These exercises are designed to help users to practice not only safe cargo lifting but also techniques of transferring loads to the lorry or other locations.

6. Block: Placement of Post/Cargo

Thanks to this block users will learn how to lift posts and place them on a slope.

7. Block: Driving
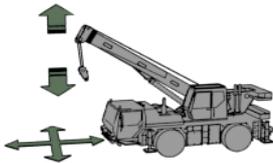
In these exercises, users must move around the stage and follow the specified instructions.