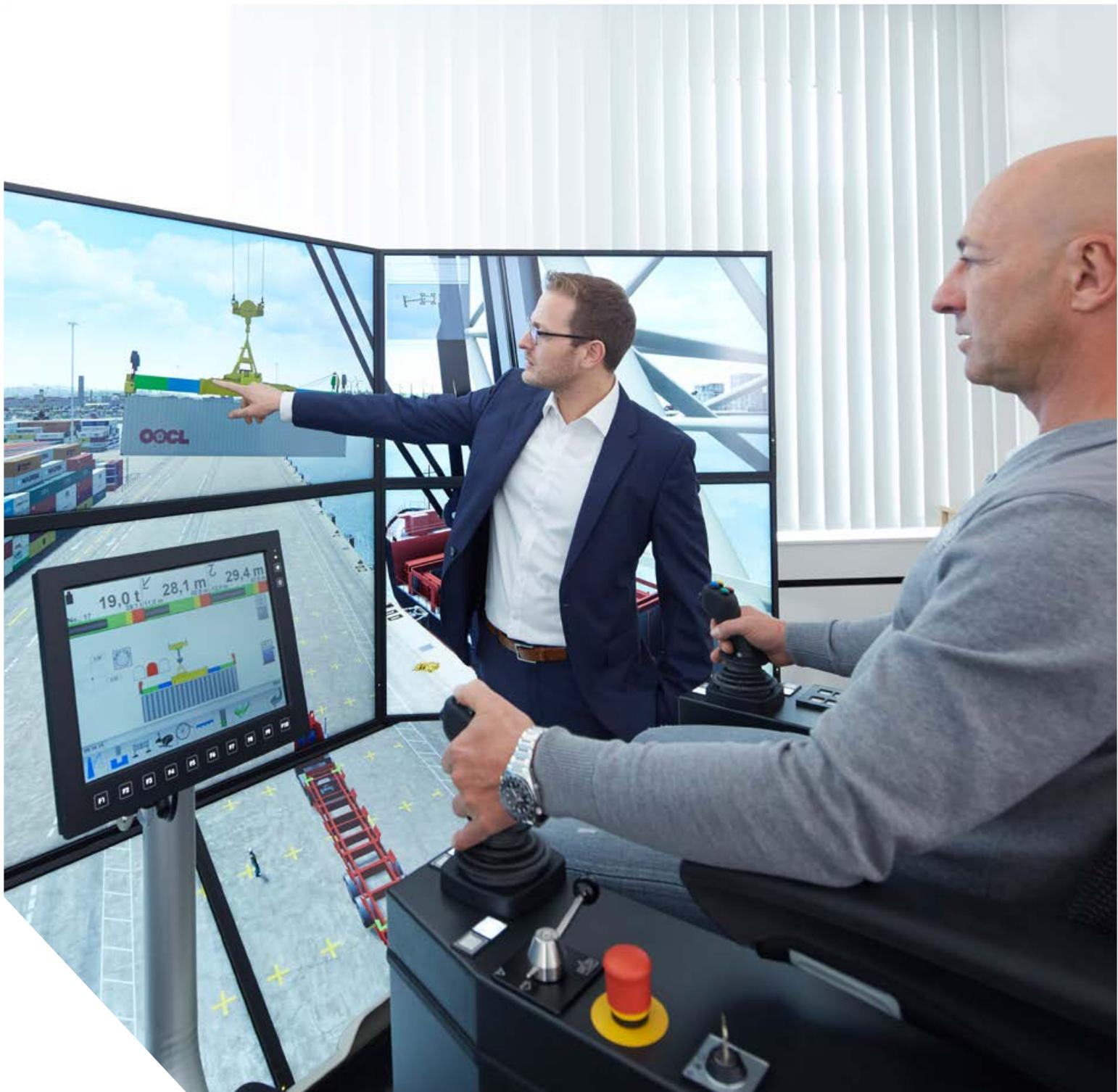


GREATER PRODUCTIVITY, IMPROVED SAFETY

# ADVANCED TRAINING FOR CRANE OPERATORS



## KONECRANES GOTTWALD MOBILE HARBOR CRANES

# USE THE FULL POTENTIAL OF YOUR CRANE

You have opted for Konecranes Gottwald Mobile Harbor Cranes for efficient handling of all types of cargo, and wish to exploit all the performance potential of your crane. We help you to even improve man-machine interaction. Our qualified modular training concept offers you great prospects for improving the skills for your crane operators – whether they are beginners or professionals. Here, we combine the far-reaching opportunities of our modular-designed simulator training with the strengths of our on-site training courses. You benefit in many ways:

### PRODUCTIVITY

We offer training for your staff using our simulators so that your crane can remain in operation. The training courses provide realistic scenarios for all cargo handling situations – and even before your new crane has been delivered. This means your crane operators are well prepared when the new machine arrives. You can also assess the skills of potential new employees.

### SAFETY

Hazardous situations for man and machine should be avoided. A training course for such situations is crucial to prevent damage. With simulators, risks can be simulated without any danger to staff or infrastructure.

### PERFORMANCE

Our experienced team of training instructors has successfully developed and provided crane operator training courses for decades. Furnished with this expertise, training instructors develop the skills of your staff to meet your goals. The result is the staff achieve higher handling performance and are more safety-conscious in hazardous and emergency situations. A transparent performance review documents the level of knowledge and development of your staff.

## OUR MODULAR TRAINING CONCEPT

Our training concept is based on typical acquirement of skills of the crane operator from beginner to professional. It's modular design concept uses existing knowledge as a starting point and leads to improved individual performance.



With our simulator trainings, your operators also train cargo handling in adverse weather conditions to improve cost-efficiency, safety and performance

## TRAINING MODULES FOR OPERATORS

# BE IN CONTROL OF ALL SITUATIONS

**We invented the mobile harbor crane more than 60 years ago and have worked on constantly improving it ever since. Operation of the crane and proper qualification of staff are also part of this. Our programs have been tried and tested over many years and are highly practice oriented.**

### OPERATOR ASSESSMENT

Determining the status quo is the basis for successful development. With any qualification measure, the question is what is the existing level of prior knowledge and skills? It is then possible to adapt training content and introduce specific individual measures.

You can use our mobile simulator, for example, to assess new employees. Verifiable, objective results provide important indications of which staff can help you in your terminal. If you wish we can act as neutral party here.

### OPERATOR LICENSE TRAINING

During the License Training, we teach operators and maintenance staff how to operate your mobile harbor crane safely in accordance with regulations. The simulations used here simulate typical situations during operation, maintenance and repair. Advantage: No interfering with your productive operation.

### PERFORMANCE TRAINING

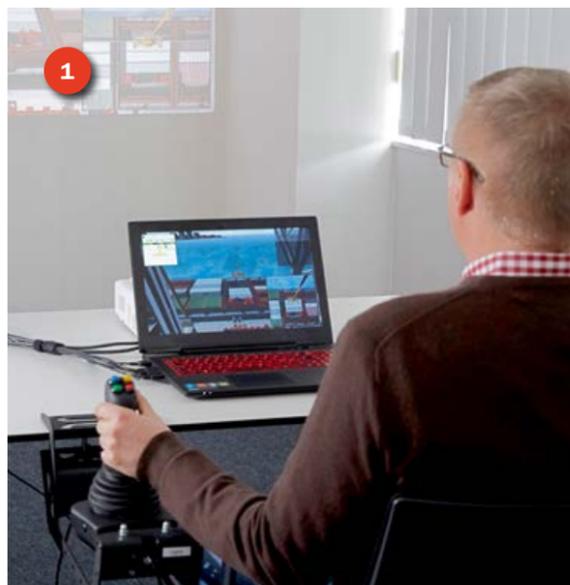
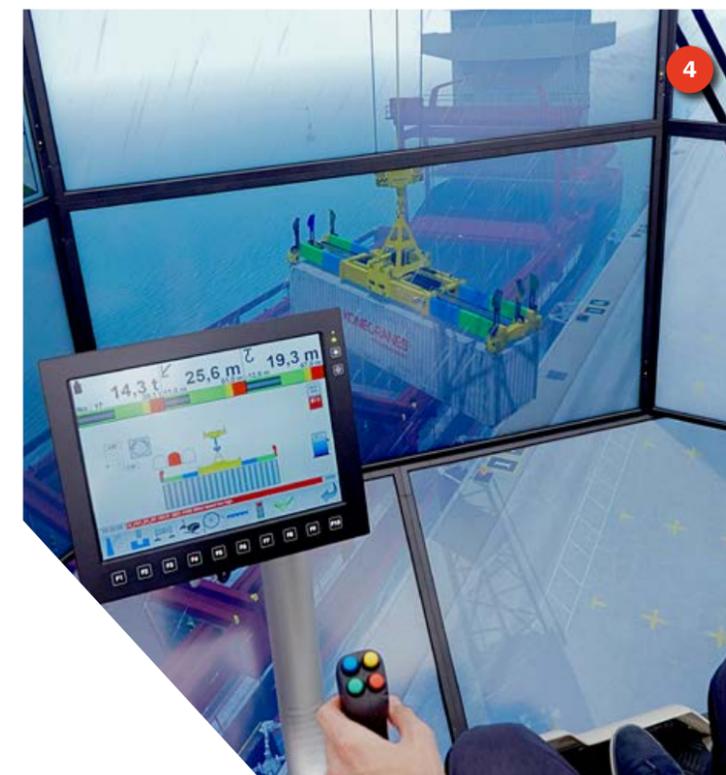
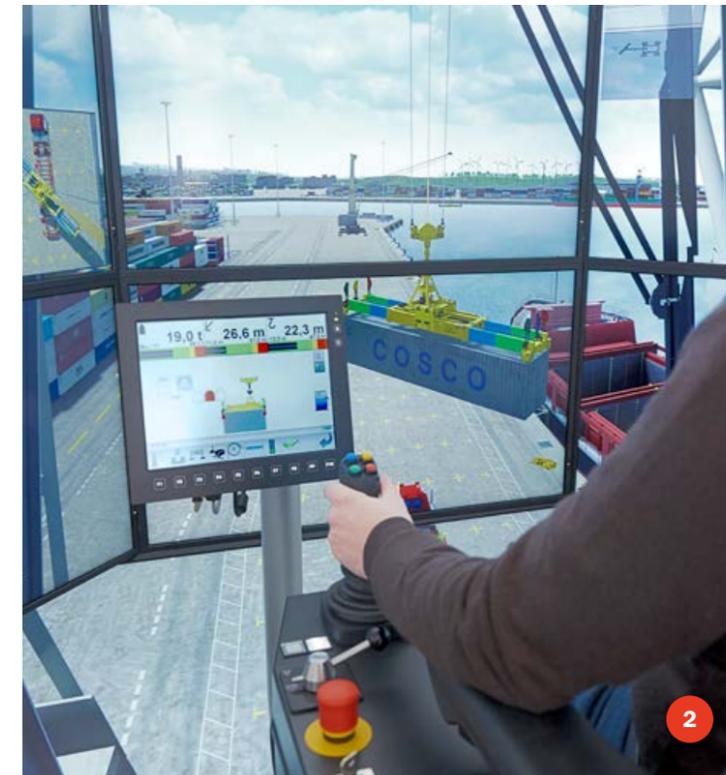
In our Performance Training, operators train their high-performance cargo-handling skills, with spreader or grab for example, using realistic simulations. With Oculus Rift headsets, realistic training can be provided on interaction with banksmen on the quay or in the vessel. All simulations can be adapted to the conditions at individual terminals, with regard to e.g. weather, vessel types and work areas.

### SAFETY IMPROVEMENT TRAINING

The Safety Improvement Training on the simulator involves practical training on behavior in hazardous situations. The advantage: No real risk ever arises for man or machine. The simulations are extremely realistic; for instance, even different weather conditions can be simulated at any time. Your staff is thus ideally equipped for the worst-case scenario.

### ON-SITE TRAINING

With the simulator training, you will already achieve a high level of qualification for your operators. You can increase this still further with an on-site training course. Here, our experienced training instructors train crane operators in their home terminal and enhance their individual skills. The training conducted under operational conditions also frequently includes opportunities to optimize work processes.



- 1 Acquiring and building on knowledge: evaluating your crane operator's skills by means of our mobile simulator
- 2 Ready for any everyday situation: our License Training allows your staff to gain knowledge and acquire skills to operate your mobile harbor crane safely
- 3 Ready for teamwork: thanks to 3D simulation via Oculus Rift headsets, your staff practices teamwork via radio remote control during Performance Training
- 4 Staying on the safe side: Safety Training prepares your crane operators how to act under poor weather conditions and in hazardous situations
- 5 Fine tuning in a familiar environment: your staff's skills and knowledge are developed further in our On-Site Training

## OUR TRAINING EQUIPMENT FOR YOU TAKE A SEAT

To avoid costly interference in the operation of your business, we conduct most of our training modules with the help of simulators. Thanks to a number of different scenarios, even situations that occur only rarely in day-to-day operation, such as extreme weather conditions and hazardous or emergency situations, can be simulated. Take a seat quickly in one of our simulators and enhance your handling performance.

### MOBILE SIMULATOR

We come to you direct – with our mobile simulator. This is ideally suited to the Operator Assessment and Operator License Training modules and also provides a cost-effective solution; as you do not have to send your employees to us, you save on travel and non-availability costs.

Many skills can be acquired by training on our mobile simulator – even at your location

### TRAINING CENTER DÜSSELDORF, GERMANY

Our simulator at our training center in Düsseldorf combines innovative simulation technology with genuine crane components. Particularly for the Performance Training and Safety Training modules, we can thus offer training courses that have an even greater practical orientation and are individually tailored to your requirements. The simulator offers:

- OEM crane operator seat on motion base
- OEM joystick and Visumatic® monitor
- Realistic simulation graphics on 8 large screens
- Simulations of hook, spreader and grab handling
- Simulations customized based on types and terminal layout
- Student Management System for documenting training achievements
- Use of Oculus Rift headsets for providing training on interaction with banksmen and operators

Combining innovative simulation technology with real crane components: our stationary simulator at our training center in Düsseldorf, Germany

## OUR EXPERIENCED TEAM OF TRAINING INSTRUCTORS WE MAKE YOU STRONGER

Our highly qualified team has many years of experience in dealing with man and machine. Our training instructors show your staff in theory and practice how to utilize the full potential of your crane. Our training courses can be held worldwide and in several languages.

### TECHNICAL EXPERTISE COMBINED WITH TEACHING ABILITY

Our training instructors are pleased to come to you with the mobile simulator and to provide technical and professional expertise along with excellent teaching skills based on years of experience. Our instructors are experienced in teaching groups and promoting individual development, keeping in mind the essential intercultural aspects of our business.

Our highly qualified training instructors look forward to working with you

### ALWAYS STATE OF THE ART

Our advanced training courses are developed in the team by our training instructors. Here, we always have an eye on the market and are able to offer you state-of-the-art modules. We integrate your individual wishes and requirements into the respective training course. Implementation is from a single source, from consultation through to realization.

### CONTACT US FOR A PERSONAL CONSULTATION

Do you want to use the skills of your employees even more successfully? Then contact our training team without delay! Our experts will advise you and work together with you to devise the training program that best meets your needs.

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Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. The Group has 18,000 employees at 600 locations in 50 countries. Konecranes is listed on Nasdaq Helsinki (symbol: KCR).

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