

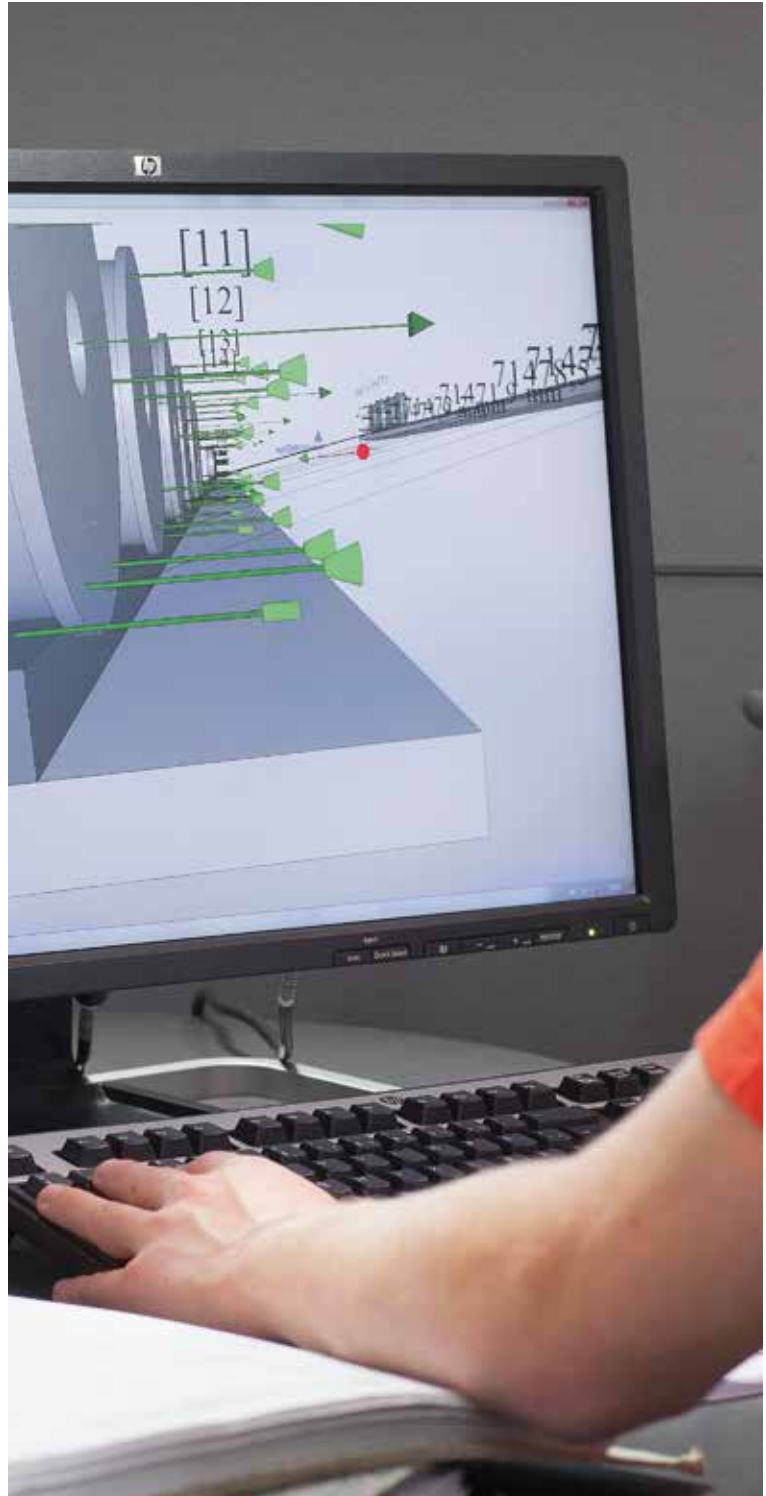
INDUSTRIAL CRANES  
NUCLEAR CRANES  
PORT CRANES  
HEAVY-DUTY LIFT TRUCKS  
**SERVICE**  
MACHINE TOOL SERVICE

**CONSULTATION SERVICES**

**KONECRANES**<sup>®</sup>  
Lifting Businesses<sup>™</sup>

CraneQ<sup>™</sup> CRANE GEOMETRIC SURVEY

# A GEOMETRIC INSIGHT INTO THE ALIGNMENT AND SQUARE OF YOUR CRANE



## A PRESCRIPTION FOR RECOGNIZING RUNNING PROBLEMS

Do your cranes suffer from premature wheel wear, rail wear, structural component failures, or drive faults? All of these are common results of incorrect crane geometry. Have your crane operators complained that a crane is moving and making strange noises or positioning incorrectly? CraneQ Crane Geometric Survey helps you to find the root cause of these symptoms to avoid more major problems and costly downtime.

## COMPREHENSIVE LOOK AT YOUR CRANE'S GEOMETRY

Cranes that are straight, square, and aligned experience less repair costs and are more reliable. Konecranes CraneQ Crane Geometric Survey provides accurate information detailing the alignment of wheels and the square of your crane. It measures dimensional tolerances of wheels, end trucks, girders, and other components of the crane.

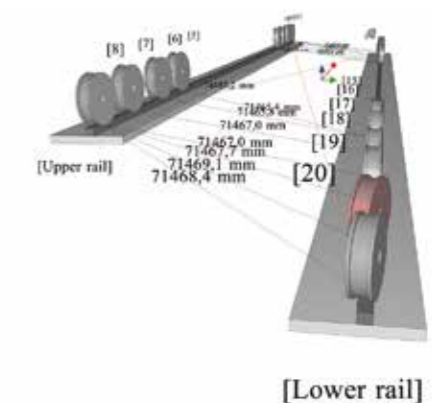
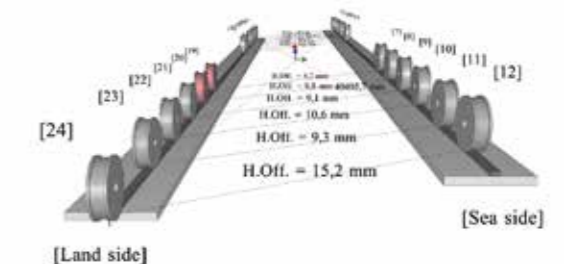
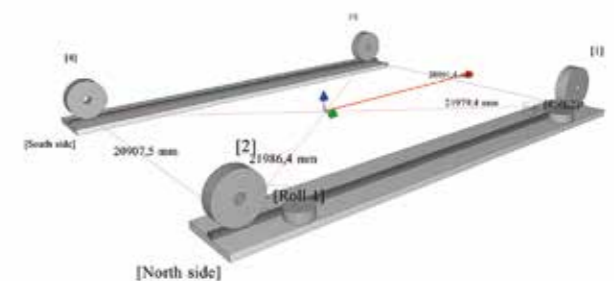
### Accurate geometric analysis guides corrective actions

CraneQ is based on advanced and traditional measurement methods. Proprietary software and skilled survey technicians provide an extremely accurate geometric analysis of your crane. In addition to the survey results, we share our expertise via suggestions for next steps to help you to plan corrective actions.

### CRANEQ DELIVERS:

- Accurate wheel and end truck alignment measurements
- Verification of the total square of the crane and its running components
- Analysis of crane girder camber
- Detailed accurate results with deeper analysis than available elsewhere
- Recommendations for aligning the wheels and to square the crane.

3D visualizations provide a unique way to analyze the possible defects in the geometry of wheels, end trucks, and girders.



**CraneQ™ and RailQ™ Runway Survey work together for a total look of crane and runway geometry.**



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Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity in a wide variety of industries. The company is listed on NASDAQ OMX Helsinki Ltd (symbol: KCR1V). With over 12,000 employees at more than 600 locations in almost 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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