

CONSULTATION SERVICES

RailQ 3D Runway Survey





Fast, comprehensive, safe rail survey

The condition of the runway influences how well a crane moves on its rails and affects the usability and lifetime of the crane and its traveling machineries. A runway in poor condition leads to reduced crane performance and reliability, and possibly to safety risks.

The RailQ 3D Runway Survey has been designed to deliver accurate information on the alignment of your crane runway and provide expert recommendations for corrective actions. RailQ 3D uses high-definition surveying techniques combined with point cloud data analysis to provide information on runway condition.

RailQ 3D takes you beyond guesswork with a proven, accurate and reliable system to help you find answers and make decisions.

BENEFITS

- Provides accurate data on the condition and alignment of the runway through high-definition surveying by trained specialists.
- Is safer to perform than a traditional runway survey because it uses a remotely operated data collection instrument.
- Gathers more data in less time than a traditional survey delivering the same information.
- Condition data and recommendations are easy to interpret and share. Field adjustment and repairs can be easily made with the information in the engineering survey drawings.

Accurate measurements with less downtime

RailQ 3D uses the latest high-definition surveying technology to measure and analyze the critical aspects of the runway system including: the runway rails alignment to one another, the alignment of each rail to its corresponding runway girder, and rail and girder condition.

The survey data is accurate and repeatable. Our proprietary analysis and 3D visualization software produces reports that visualize the problem areas. Konecranes engineers review the data to recommend alignment strategies and highlight areas where critical safety and production issues are found.

RailQ 3D can help you plan maintenance in advance

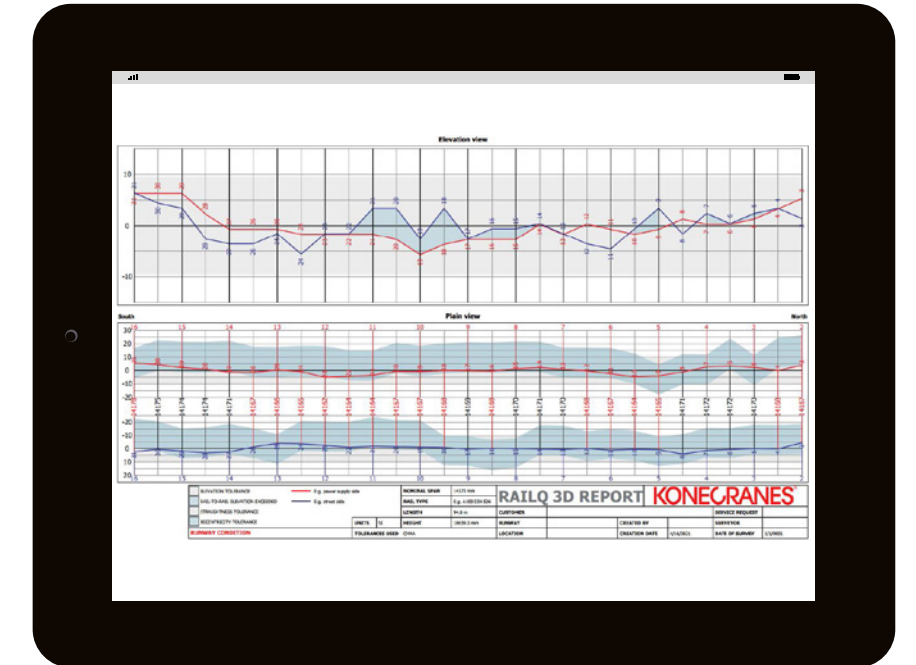
Performing RailQ 3D as part of a periodic inspection program on your critical production crane runways can identify chronic issues signaling the need for a long term engineered solution.

This approach allows you to plan maintenance far in advance and implement corrective actions during planned outages and production stoppages to limit the effects of lost production.

Get a complete view of crane and rail geometry

Konecranes RailQ 3D Runway Survey and CraneQ Crane Geometric Survey work together for a complete view of crane and rail geometry.

The CraneQ Crane Geometric Survey provides accurate information detailing the alignment and the square of a crane. The scope of the survey includes wheels, guide rollers, end trucks, girders, and other components of the crane.



RailQ 3D reports available on yourKONECRANES.com

Your RailQ 3D report and recommendations are made available on the yourKONECRANES customer portal. The portal gives you quick and easy access to your crane maintenance information, asset condition and usage data, and agreement details. You get a transparent view of all maintenance activities, TRUCONNECT alerts if applicable, and even spend over any selected time interval. Aggregated data can be viewed, analyzed and shared quickly, for a single asset or an entire fleet.



Learn more about yourKONECRANES

The portal provides the information you need to help make informed maintenance decisions. During a service visit, our mobile-enabled technicians can quickly and efficiently input information so you have quick access to your service data including findings and recommendations and your service report can be easily downloaded or shared.

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. In 2020, Group sales totaled EUR 3.2 billion. The Group has around 16,600 employees in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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