

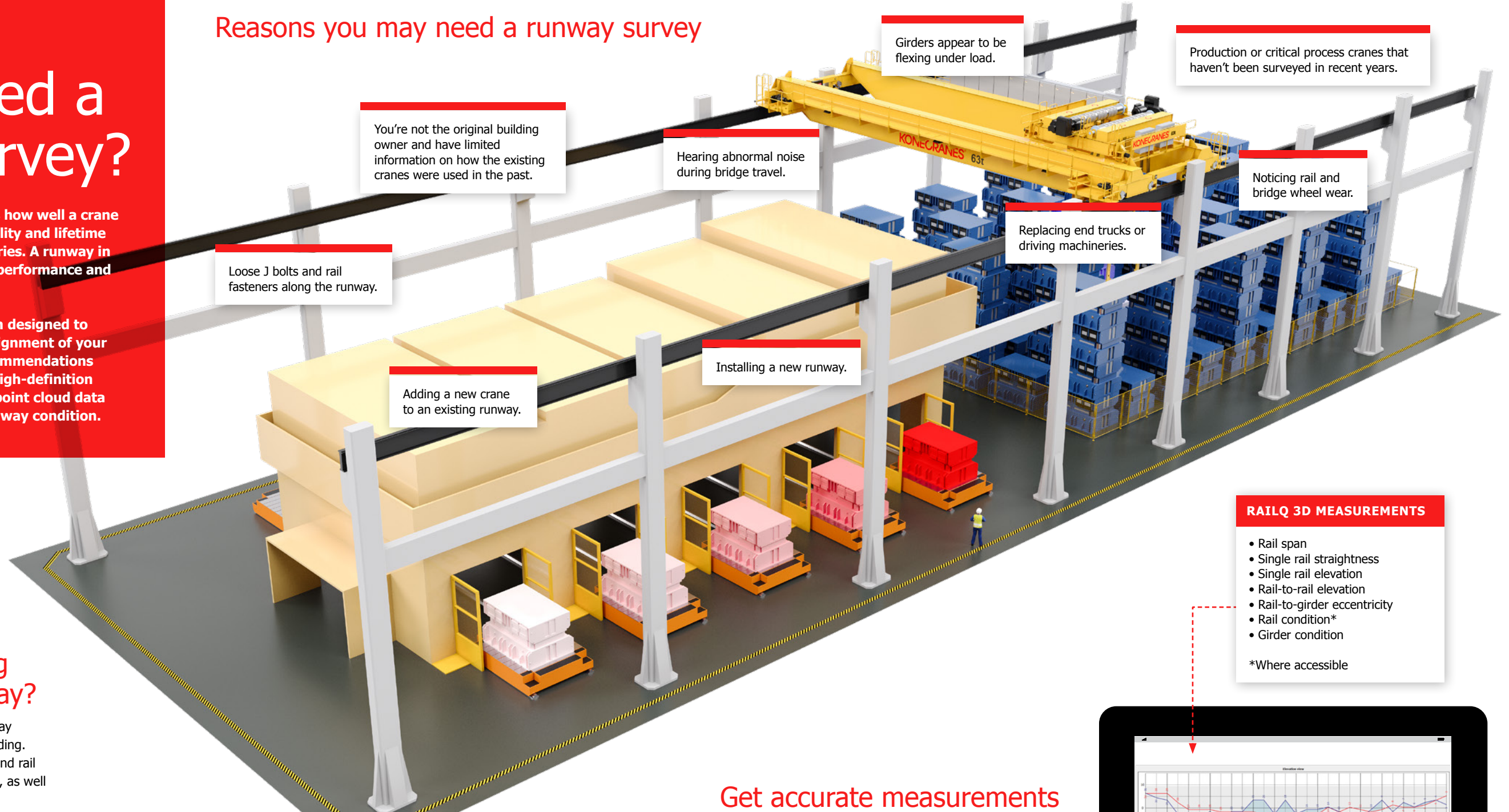
CONSULTATION SERVICES

Do you need a runway 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 travelling 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.

Reasons you may need a runway survey



Is your crane traveling correctly on the runway?

Cranes should travel or track along their runway rails with a minimum of skew and without binding. Improper tracking leads to premature wheel and rail wear, resulting in costly repairs and downtime, as well as inefficient and suboptimal crane operation.

There are many reasons why a crane does not travel correctly on the runway including:

- Misaligned or worn rail
- Missing clips
- Worn pads
- Corrosion
- Improper installation
- Runway structure is uneven, bent or twisted due to column settlement, overloads or impacts



Rail pad not properly installed.



Rail clamp welds starting to corrode.

RAILQ 3D MEASUREMENTS

- Rail span
- Single rail straightness
- Single rail elevation
- Rail-to-rail elevation
- Rail-to-girder eccentricity
- Rail condition*
- Girder condition

*Where accessible

Get accurate measurements and alignment strategy recommendations

RailQ 3D uses the latest high-definition surveying technology to measure the critical aspects of the runway system. Our proprietary analysis and visualization software produces reports that visualize the problem areas and Konecranes engineers review the data to recommend alignment strategies and highlight areas where critical safety issues are found.

