

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

KONECRANES[®]
Lifting Businesses[™]

STEEL STRUCTURE ANALYSIS





KNOW THE CONDITION OF YOUR CRANE STEEL STRUCTURES

The steel structures of your crane shoulder the weight of your lifting operations. Those structures are subjected to fatigue as loads are lifted, and as fatigue life ends, safety can be compromised.

The Konecranes Steel Structure Analysis can give you an accurate picture of the remaining fatigue life of the steel structure of your crane and help identify defects.

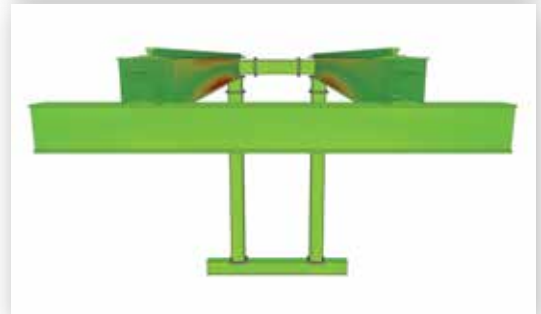
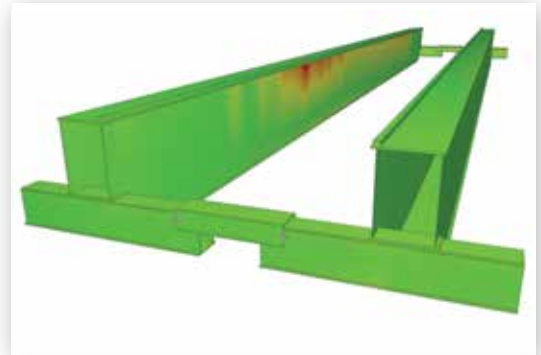
The analysis can help you decide between a modernization or new equipment purchase. It can also help determine if you can continue using your crane after the design working period (DWP) of the steel structure is exhausted.

A trained and qualified inspector will investigate the use history of the crane and perform a visual inspection of the whole steel structure, including the trolley structures and hook block. If needed, non-destructive testing (NDT) can be performed. A qualified engineer will use proprietary 3D modeling and calculation software to provide the steel structure fatigue calculation. Calculation of stresses and fatigue is conducted according to EN 13001-3-1 and ISO 12482 standards.

We will give you a list of recommendations for needed repairs or replacements. We'll also provide you with a detailed plan for future inspections.

BENEFITS

- Detailed information of the remaining fatigue life of the steel structure of your crane.
- Information to help you make a decision between a modernization or new equipment purchase.
- Inspection plan for the continued use of the steel structure of your crane.
- Easy-to-interpret graphical reports with expert recommendations.




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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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