PORT SERVICE

LIGHT LIFTING SYSTEMS
GENERAL FABRICATION
PROCESS EQUIPMENT
CONTAINER HANDLING
BULK HANDLING
SHIPYARDS



Crane inspections SERVING YOU WITH TRUE CRANE KNOWLEDGE







WHY TO INSPECT YOUR CRANE REGULARLY?

You reduce the risk of costly production losses

You make Your operations safer:

> You reduce the risk of high consequential costs due to unsafe operations – monetary savings

More focus on predictive operations and scheduled actions:

- > You lower the risk of unexpected breakdowns
- Maintenance can be planned in the most effective way, during normal operating hours
- > You reduce emergency premiums
- > To get the best available persons to do the job

You have invested millions of dollars in cranes:

- It is imperative that cranes are in good and safe condition
- Inspections together with proper maintenance help to maintain the value of expensive equipment

The amount of money allocated to maintenance is usually not sufficient:

> An outsider can better evaluate the effectiviness of Your maintenance program

A pair of "new eyes" examines the crane and You get new ideas

Recommended in FEM / CMAA crane regulations









OUR INSPECTION PACKAGES

Statutory inspection

- Main purpose is to fulfill statutory requirements
- > Availability varies by country

One-Time inspection

- > Agreed to be done only once
- > Limited to certain design area only or
- > Covering the whole crane

Scheduled inspection

- > Done at regular, preagreed intervals
- > Scope alternatives:
- > Safety, Electrical, Mechanical, Structural or
 - > All inclusive

OUR TOOLS

Experienced inspectors:

> We share our global experience with You

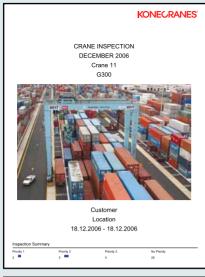
Tools to conduct a professional inspection:

- > Inspection Program
 - > Specific and detailed check-lists
 - > Inspection done systematically
 - > Findings are properly reported
 - > Recordings are stored
 - > Coding makes the data comparable

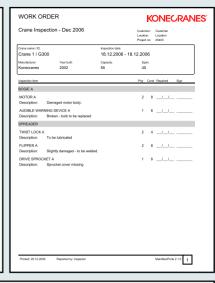


SERVICE

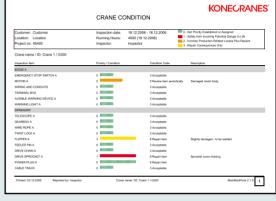
www.konecranes.com











PICTURE REPORT

KONECRANES'

MainManPorts 2.1.0 2



THERMOGRAPHIC SERVICES

Use of an infrared imaging and measurement camera to "see" and "measure" thermal energy emitted from an object

Benefits:

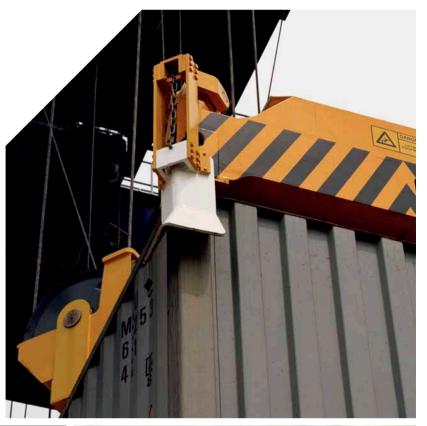
- > Measure the temperature & see heat produced
- > Identify and locate the problem fast
- > Clear reporting
- > Find problems before they stop the crane
- > Reduce down-time



MAKE YOUR OPERATIONS **SAFER**

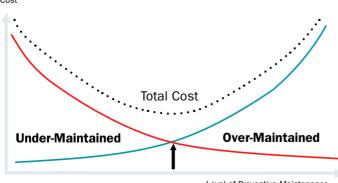
Inspections produce long-term savings:

- > Higher crane uptime
- > Increased safety
- > Expensive production losses minimised
- > Better productivity increased profitability
- > Reduced penalty costs
- > Store the right spare parts optimise Your
- > Professional report from experienced crane experts
- > Latest technology and standards
- > Possibility for global contracts with leading crane manufacturer









Cost of Preventive Maintenance

Cost of **Breakdowns** and Repairs

Level of Preventive Maintenance



















CRANES

CRANES

STACKERS

FORKLIFT TRUCKS

TRUCKS

CONTAINER

CARRIERS

UNLOADERS

SHIPYARD **CRANES**

SERVICE



Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity to a wide variety of industries. The company is listed on the OMX Helsinki Stock Exchange and in 2006, sales totalled EUR 1,483 million. With 8,000 employees at over 370 locations in 41 countries, we have the resources, technology, and determination to deliver on the promise of Lifting Businesses™.

The publication is for general informational purposes only and we reserve the right at any time to alter the product design and specifications. No statement of this publication shall be construed as a warranty or condition, express or implied, as to any product, its fitness for any particular purpose, merchantability, quality or representation of the terms of any sales agreement. © 2007. Konecranes Plc. All rights reserved.

Please contact your Konecranes regional office:

Konecranes Finland Port Service

P.O. Box 135 Koneenkatu 8 05801 Hyvinkää Tel: +358-20 427 11 Fax: +358-20 427 2593

Konecranes South East Asia

12 Benoi Crescent Singapore 629975 Tel: +65 6861 2233 Fax: +65 6861 2903 / 6861 6820

Konecranes Americas

4220 Steve Reynolds Blvd. Suite 1 Norcross GA 30093 USA Tel: +1-770-279-9936 Fax: +1-770-279-0177

Konecranes France

47 Boulevard de Graville B.P. 727 76060 Le Havre Cédex France Tél: +33 (0) 2.35.25.95.14 Fax: +33 (0) 2.35.25.95 82

Konecranes Germany

Mühlenfeld 20 D-30853 Langenhagen Germany Tel: +49 511 77040 Fax: +49 511 7704 477

Konecranes Spain

Avenida Del Palmar 9 Bajo Polígono Industrial L'alteró 46460 Silla (Valencia) Spain

Tel: +34 96 316 41 78 Fax: +64 96 367 00 57

Konecranes North East Asia

No.789 Suide Road Shanghai 200331 China Tel: +86-21-62848282 Fax: +86-21-52846084



Konecranes (Port Service) P.O. BOX 135 Koneenkatu 8 FI-05801 Hyvinkää Finland Tel +358-2042711 Fax +358-204272593 www.konecranes.com