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

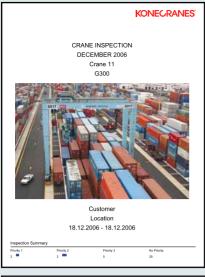
#### **Tools to conduct a professional inspection:**

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

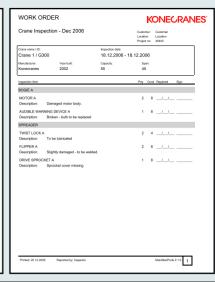


### SERVICE

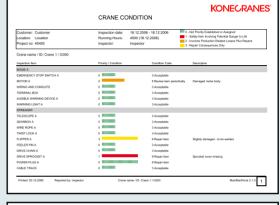
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#### **REPORTING**

#### Inspection reporting is understandable:

- Detailed reporting for Your maintenance specialists
- > Separate Safety Report
- > Summarizing Executive Report



#### THERMOGRAPHIC SERVICES

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

#### **Benefits:**

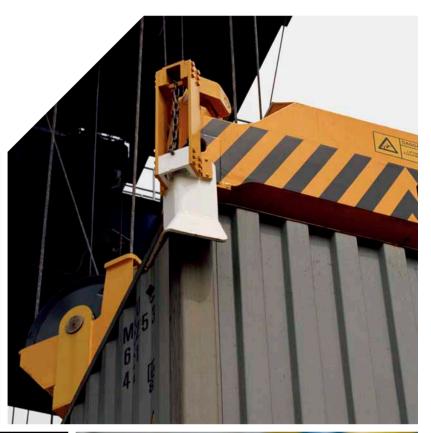
- > Measure the temperature & see heat produced
- > Identify and locate the problem fast
- > Clear reporting
- > Find problems before they stop the crane
- > Reduce down-time



## MAKE YOUR OPERATIONS SAFER

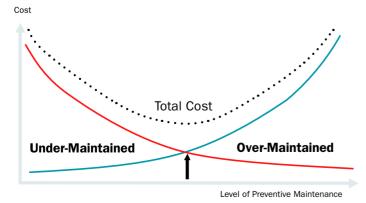
#### Inspections produce long-term savings:

- > Higher crane uptime
- > Increased safety
- > Expensive production losses minimised
- > Better productivity increased profitability
- > Reduced penalty costs
- Store the right spare parts optimise Your capital
- > 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



CRANES



CRANES









**FORKLIFT** CONTAINER TRUCKS TRUCKS



**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™.

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