

Lifting Solutions for Ports and Maritime Operations

Optimising Safety and Efficiency in Port Operations

At **Certex UK**, we provide industry-leading lifting solutions designed to enhance the efficiency, safety, and compliance of port and terminal operations. With decades of expertise, we help port authorities, terminal operators, and cargo handlers tackle the toughest lifting challenges with high-quality equipment, expert inspections, maintenance services and certified training.

Key Challenges in Port Operations and Our Solutions

1. Safety and Compliance

Challenge: Ports operate under strict safety regulations and lifting operations must comply with LOLER, PUWER and other industry standards to prevent accidents.

Certex Solution:

LOLER and PUWER Inspections – Ensure all lifting and safety equipment meets legal and operational safety standards.

Non-Destructive Testing (NDT) – Detect hidden defects in lifting gear, wire rope and structures before they become critical failures.

LEEA Accredited Training – Equip personnel with proper handling techniques and pre use inspection criteria adopting best practices to minimise risk.

Crane Emergency Evacuation Systems – We provide fire proof emergency evacuation systems, demo's can be organised at Certex Doncaster.

2. Heavy Lifting and Load Handling

Challenge: Ports require robust lifting solutions to handle containers, cargo, and heavy loads efficiently.

Certex Solution:

High-Performance Crane Rope – Engineered for superior strength, flexibility, and fatigue resistance in port cranes.

Spreader Beams and Lifting Frames – Custom-engineered for lifting oversized and irregular cargo.

High-Performance Lifting Slings – Chain, Steel Wire, Polyester, and Dyneema slings designed for extreme loads and harsh maritime conditions.

Load Monitoring Systems – Real-time weight monitoring to prevent overloading and ensure balanced lifting.

3. Equipment Wear and Tear in Harsh Environments

Challenge: Saltwater, wind, and heavy loads cause rapid deterioration of lifting gear.

Certex Solution:

Corrosion-Resistant Wire Ropes and Chains – Designed for marine environments to extend lifespan.

Routine Maintenance and Repair Services – On-site inspections, lubrication, and crane rope replacements.

Crane Rope Spooling and Lubrication – Prevents premature failure and enhances performance.

4. Cargo Securing and Load Restraint

Challenge: Securing cargo safely for transport is critical to prevent shifting, damage, and accidents.

Certex Solution:

Lashing Chains, Straps and Bindings – High-tensile strength solutions for cargo securing.

Twistlocks and Load Binders – Secure shipping containers and loads during transport.

Load Testing Services – Verify strength and stability of securing systems before use.

5. Minimising Downtime and Maximising Efficiency

Challenge: Unexpected equipment failures and delays in lifting operations lead to costly downtime.

Certex Solution:

Emergency Support and Repairs – Fast response times to keep operations running.

Predictive Maintenance Programs – Scheduled inspections to catch issues before they cause disruptions.

Smart Lifting Technology – Remote monitoring of steel wire rope and real-time diagnostics for proactive maintenance.

Our Products and Services

Lifting Equipment and Solutions

- High Performance Crane Rope
- Steel Wire and Textile Slings
- Chain Slings and Accessories
- Hoists, Winches and Cranes
- Load Restraint and Cargo Securing
- Spreader beams and frames
- Bespoke Designed and Engineered Lifting Solutions
- Magnetic Rope Testing Equipment (MRT)

Inspection and Certification

- Inspections of Lifting and Safety Equipment to LOLER and PUWER
- Non-Destructive Testing (NDT)
- Magnetic Rope Testing (MRT)
- Load Testing and Certification

Maintenance and Repairs

- On-Site Equipment Servicing
- Crane Rope Replacement and Lubrication
- Preventative Maintenance Programs

Training Courses and Consultancy

- Crane Steel Wire Rope Inspection
- Lifting Equipment Examination
- Cargo Carrying Unit (CCU) Container Pre-Trip Inspection
- Harness and Lanyard Inspection
- Appointed Person for Lifting Operations
- Crane Supervisor
- Lifting and Slings
- Introduction to LOLER and PUWER eLearning
- Wire Rope Socketing

Why Choose Certex UK?

- Industry Experts in Port Lifting Solutions
- Fully Certified and Accredited Services
- High-Quality, Reliable Products
- Emergency Coverage and Support

Ensure safety, efficiency and compliance in your port operations.

Get in touch with our expert team today.



CERTEX | **Lifting Solutions Group**
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