



WCS

WORLD CRANE SERVICES

Your Preferred Solutions Partner

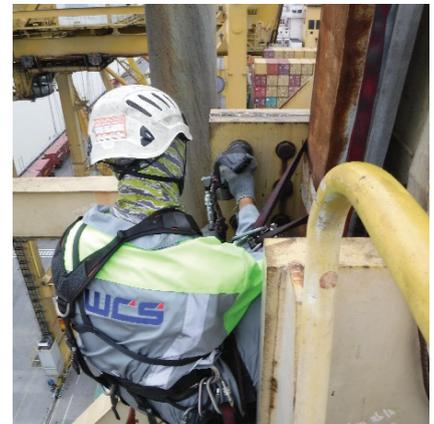
World Crane Services

- Our aim is to find the right engineering solutions for your equipment.
- From inspections to turnkey engineering project management, we assist you in completing your project.
- Located in the Jebel Ali Free Zone in Dubai, WCS' portfolio continues to expand since its establishment in 2002.
- Whatever support you need, and wherever you need it, our expert knowledge is on hand to guide your project safely home.



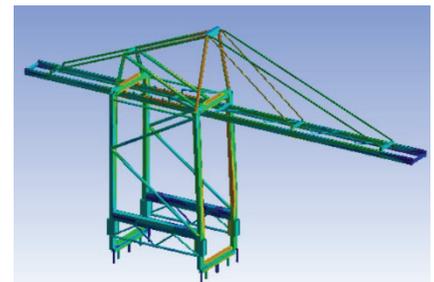
We Specialize in

- Third Party Inspections of new and in-service equipment
- Accident recovery including consulting & evaluation
- Manufacturing safety cages, work baskets, tyre blast shields and terminal trailers
- Condition Assessment & Structural Inspections
- Brokering of used equipment
- Crane relocations & modifications
- Turnkey refurbishment solutions
- Control & power system upgrades
- 'Know Your Crane' training



Third Party Inspections Services (TPI)

- **We maximize your crane design**
Our Design Review identifies gaps with specification and industry best-practices in all engineering fields: Safety, Maintainability, Structure, Mechanisms and Electrical-Control-Instrumentation. We then bring in our expertise and experience to optimize the design and maximize the overall performance and reliability of your crane over the lifetime. We save your Finite Elements model for future reworks and lifetime extension checks.
- **We maximize your crane manufacturing quality**
Our Inspections of OEM and subcontractor facilities, quality plan, internal protocols, staff documentation, FAT and commissioning procedures ensure that the best conditions are setup for your crane to be built as per planning. We then inspect steel, machinery and ECI works and supplies from individual part to the entire crane assembly, erection, integration, FAT, preliminary tests, punch list, punch list resolution shipment to your terminal.
- **We maximize your crane commissioning experience**
We supervise the crane arrival to your terminal for the final commissioning and testing to ensure that safety, functions, operations, overload and endurance tests are faultless with agreed performances, documentation, training and a clear residual punch list agenda for resolution. We ensure the crane is in her maximum working capacities when handed over to you. We keep all contact channels open with you for the current and future equipment.



WCS INSPECTION REPORT		WCS INSPECTION REPORT	
FABRICATION PROGRESS AND QUALITY STATUS		FABRICATION PROGRESS AND QUALITY STATUS	
Item	EQI	EQI	Remarks
Design Review	100	100	
Material Inspection	100	100	
Welding Inspection	100	100	
Paint Inspection	100	100	
Final Inspection	100	100	
Commissioning	100	100	
Documentation	100	100	
Training	100	100	
Handover	100	100	
Post-Handover	100	100	
Warranty	100	100	
Overall	100	100	



PRODUCTS

Safety Cages

Universally compatible with ISO-standard twistlock centers and S.O.C terminals worldwide, our Container Top Safety Work Cages (CTS-WC) are based on a modular concept enabling users to serve both 20 ft. and 40 ft. bays interchangeably.



Man Baskets and Rescue Baskets

Our working aloft man and rescue baskets are available in standard models and customizable options for unique applications. Compliant with “BS EN 14502-1: Cranes. Equipment for the lifting of persons. Suspended baskets”.

Pinning Stations

For the safety housing of personnel while removing twistlocks from trucks and ITVs, our model comes standard with an enclosed cabin, seating, tool boxes and twistlock boxes. Solar power equipped stations are also available



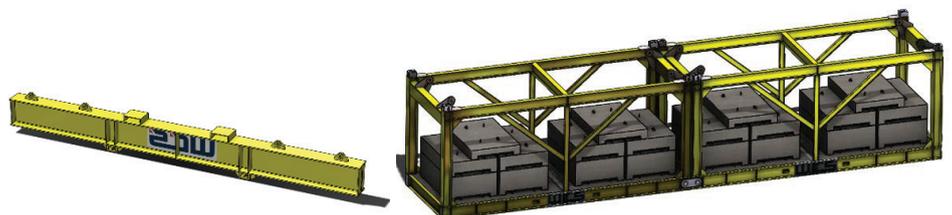
Trolley rail maintenance Platform

Suitable for rail maintenance activities on STS cranes, adjustable to fit rail gauges of 5.7 - 8.7m. The 14m platform allows lifting of 12m rail sections, tools and equipment up to 2.5 tons. Independent drive systems allow the maintenance team to travel the full length of the rail. The platform comes with wheels and can fit inside a 40' container.

Tyre Blast Cages & Screens



Lifting Beams / Test weights



We Upgrade

The refurbishment market segment is showing strong growth and WCS can assist you in finding engineering solutions to challenges with the aim of generating economic value for you.

- Our specialist engineers can provide on-site assistance and support in the recovery of damaged equipment. After a detailed inspection – if feasible - our personnel will work efficiently to return key assets to serviceable condition by providing comprehensive services such as drive upgrades, span changes, relocations, and major structural refurbishments.
- As a SIEMENS Solution Partner, We upgrade your cranes control & power systems to the newest generated of SIEMENS products.

Solution
Partner

Automation
Drives

SIEMENS

Spare Parts



- WCS offers genuine high quality spare parts for your equipment in the terminal, meeting your standard and quality requirements.
 - **Spare parts for all brands**
 - ▶ Engines
 - ▶ Axle & Differential
 - ▶ Transmissions.
 - ▶ Hydraulic
 - ▶ PLC, Electrical and electronics
 - ▶ Spreaders
 - ▶ Brakes & Thrusters
 - ▶ Tires
 - ▶ Consumables

As agents for RAM, MAFI, CONDUCTIX-WAMPFLER, EMG-ELDRO, WOELFER Motor & CAMCO Technologies & Solution partner for Siemens – the world’s leading component suppliers to container terminals - we are well-positioned to supply parts direct to your container terminal.

Distribution: Need a local distribution center in the Middle East region as part of your global network?

**For all your inquiries contact:
spareparts@wcs-grp.com**

We Train

Our comprehensive “Know Your Crane” training program, delivered by certified trainers at your site, is suitable for all skills levels – from basic to advanced.

The classroom and hands-on training will give your team an in-depth awareness on:

- Fault finding and failure analysis
- Working with drives and PLCs, Programming

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