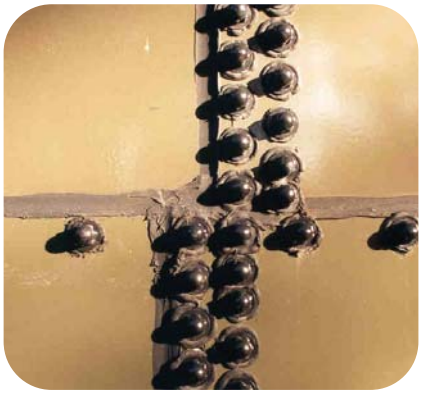
CST VULCAN



TANK INSPECTION, MAINTENANCE AND REFURBISHMENT SERVICES

CST Vulcan is the UK subsidiary of CST Industries Inc, who specialise in the design, manufacture and erection of bolted sectional steel storage tanks and silos for a wide variety of above ground liquid and dry bulk storage applications. These include municipal, industrial, agricultural and fire sprinkler markets. CST specialises in developing the latest technology for factory applied steel coatings and are specially formulated for exceptional corrosion and abrasion resistance. Tanks are manufactured from glass-fused-to-steel, steel coated with high performance Kuo-Lon™ thermosetting epoxy powder or galvanised steel. CST also manufactures a range of tank roofs from simple debris covers to our aluminium geodesic self supporting dome roof, Geodome™ that is an ideal and cost effective roof for large diameter steel or concrete tanks.

Our experience gained from the supply of over 250,000 tanks throughout the world is put to good use when it comes to determining the condition of older bolted storage tanks and carrying out any reconstruction or maintenance that may be required.

Tank Life

Storage tanks degrade over time and eventually require maintenance and repair.

To maximise the life of your tank and prevent service failures, regular professional tank inspections (dry or scuba) are essential to determine the tank's condition and possible maintenance requirements. Inspections can detect signs of corrosion and potential component failure together with any non-compliance to current legislation. Vulcan's inspectors and experienced workforce is qualified to perform tank inspections and maintenance that can be performed while the tanks are either in or out of service to suit your operational needs.

Construction Expertise

CST Vulcan provides single-source construction services capable of conducting off or on-line inspection services. We only use our own construction personnel or authorised subcontractors who are supervised on-site by fully trained full-time Vulcan personnel. Your refurbishment work is entrusted only to experienced crews who are completely familiar with bolted storage tank construction and know how to safely manage the job site.

Inspection

A small investment in an inspection will help make informed maintenance decisions and saves costs in the long run. After the inspections are completed a written inspection report is produced which includes:

- A summary of tank condition
- Any non-compliance with current Health & Safety legislation
- Photographs as necessary
- Recommendations and cost estimates

Repair and Maintenance

The extent of maintenance and repair resulting from the inspections could include:

- Shell and roof repairs or replacements
- Roof structural repairs or replacements
- Nozzle and manway repairs, relocations or replacements
- Repair or replacement of ladders or other access equipment
- Repair or replacement of rubber liner if fitted
- Repair or replacement of bottom annular rings
- Addition or maintenance of cathodic protection
- Dismantling, moving and re-erection
- Foundation repairs and modifications
- Cleaning and painting
- Testing

Safety

CST Vulcan is proud of its safety record and all site employees are fully trained and certified to meet site safety requirements for most site situations and includes:

- National CSCS & Passport to Safety accreditation
- Confined space and working at height training and certification
- Relevant machinery operator training and certification
- Storage tank specific safety orientation and training
- Professional safety management program
- Job site safety audits

Water Tank Inspection without draining

Using a Remotely Controlled Camera (RCC) makes internal water tank inspections without draining a reality.

The RCC includes a small remotely controlled vehicle that swims through the tank to survey the roof, walls, seams, standpipes and other internals. The high resolution camera captures digital colour footage for video/DVD reports.

The RCC is very effective for inspecting water tanks and will video record and survey the interior condition of the tank without the need for equipment such as, scaffold, external NDT inspection etc. as the RCC goes to where the possible damage is.

By using an underwater thickness gauge attachment for the RCC, wall and other thickness readings can be taken from inside the tank while recording to video thus saving considerable time and expense compared to traditional water tank inspection methods.

CST Vulcan has the experienced staff, engineering, fabrication and erection capabilities to handle most repair and maintenance requirements on bolted sectional tanks so contact us now to discuss your requirements.

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