

In this Issue

Cragside bridge
Rope access
surveys

Tersan shipyard
Tank painting and
inspections

**Universal
Engineering**
Working to
NORSOK M501

Our services

- **Paint inspection**
- **Coating condition surveys**
- **Paint sample testing**
- **Failure analysis**
- **Quality control and document review**

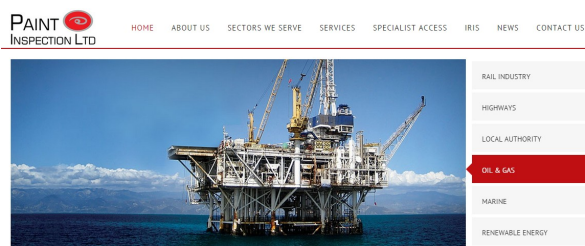


Well as the first half of 2015 comes to a close it seems prudent to reflect on the sea change that Paint Inspection Ltd have seen this year. Last year saw growth not only in terms of team size but also our geographical working.

The beginning of this year saw the senior team welcome product innovation and quality control managers from Dulux protective coatings Australia to the UK, and gave them not only a tour of sites but also an overview of how the inspection and software reporting businesses are structured. A visit is now planned to Australia in July to develop the relationship with training and field support for their technical field teams on the utilisation of the IRIS software. This type of work will see a new era of international growth and development as well as an opportunity to see potential future open points.

Our new look website went live in February and we believe that it provides a much needed update to go with an ever expanding business. It clearly defines all the sectors we work in, from private yachts to bridges. With news feeds and our social media connections growing it seems that Paint Inspection Ltd is the go to company for all your protective coating needs.

Andrew Patterson
Director



IMPROVING QUALITY REDUCING COSTS

Latest News

Visit our new home page at <http://paint-inspection.co.uk/>

Cragside Bridge

"Thank you for the work you carried out, The national trust have confirmed they were extremely pleased with the way in which we all approached the work. Please thank your team for me"

DAVID GAMBLE, Balfour Beatty Construction Services UK



Cragside bridge is a grade 2 listed structure, situated in the National Trust Cragside Estate. Formally the home of the Great Industrialist Engineer Lord William Armstrong.

The footbridge spans Debdon Burn on the Cragside Estate. Known as the Iron Bridge it was built in 1870-1875 and thus one of the first of its kind in the country.

The main span measures 64ft, flanked by half-spans, and its arch is echoed by curved bracing in the wide open spandrels. The bridge was re-opened, following restoration in 2009, after being closed to public access for 30 years.

Paint inspection Ltd were employed to carry out a coating condition survey, however the environmentally sensitive nature of the area, meant it was a job for one of our rope access teams.

Paint inspection Ltd used Rope Access techniques to access the steelwork. The specialist access methods allowed a full survey to be carried out without disturbing the sensitive Fauna and Flora underneath the bridge.

"Most of our work is carried out on large road and rail bridges and industrial sites, this survey was definitely a nice change of scenery"

Carl Jonson ICorr level 2 IRATA level 1



Two of our senior NACE Level 3 inspectors, John Elder and Ray Peters have recently returned from the Tersan shipyard in Turkey. Their recent trip was part of a tank refurbishment on the Swan Baltic and Swan Biscay, NKK class ships, used for transporting Oil and Chemicals. John and Ray reflect on their trip and the difficulties faced when carrying out this type of work.



"John and Ray were outstanding in their support and guidance during the project and didn't give an inch when it came to getting the quality finish we expected, in my opinion it was an excellent decision to employ independent paint inspectors to protect our interests. We were very lucky to have such a hard working dedicated team assigned to this project. Andrew Russ. Superintendent"

"The location, shapes and sizes of the tanks along with other fitted elements, can make work particular difficult. The right standard of surface cleanliness and surface profile has to be achieved by blasting, followed by the removal of all spent blast media before coating"



"Cargo tanks are used for carrying anything from animal feed to chemicals, with an increasing number of vessels carrying liquid cargoes that can be highly chemically aggressive. The most important part is making sure the coating is compatible with the cargo that is going to be transported. Failure to get this fundamental part right can lead to complete coating breakdown"

"Inspection works in tanks can be very physical, there is a lot of climbing up and down ladders, there can be multiple tanks at different stages of the preparation and coating process which all have to be checked for conformity with the standards and specification"



Paint Inspection Ltd are currently working on a number of sub sea oil and gas projects for Universal engineering in Wales.

Universal Engineering are responsible for building large sub-sea machinery for the oil and gas sector, there facilities include a 250,000 square foot warehouse where Engineering, Non destructive testing, fabrication, shot blasting and painting are carried out.



The works involve carrying out quality assurance, coating procedure trials as well as blasting and painting supervision to ensure all works are carried out in-line with NORSOK standards. The works start with Paint Inspection Ltd's NACE or ICORR level 3 overseeing a Coating procedure trial. This is carried out on a test panel following the same procedures which will be used for painting the sub-sea units. The CPT is then tested and signed off by a level 3.

The preparation process is then replicated on the subsea units with Paint Inspection Ltd checking the salt levels, surface preparation standards, cleanliness and blast profile. Once the preparation standards are passed universal engineering painters then start the painting process on each unit. Paint Inspection Ltd witness airless paint spraying and stripe coating, then check for defects and dry film thickness once the coating has cured.



We hope you have found something of interest in this months news letter, should you have and questions or require Paint Inspection Ltd's services, please do not hesitate to contact one of our 4 regional offices

Head office 0845 463 8680
North west office 0845 467 8684
North East office 0845 463 8687
South West office 0845 463 8994

Paint Inspection Ltd office locations

