

CORROCOAT NEWS

BREATHING NEW LIFE INTO OFFSHORE EQUIPMENT

Issue 110
September 2010









Here's proof that a combination of the world's best coating products, meticulous forward planning and teamwork can succeed in the most severe marine industrial environment despite arduous operating and climatic conditions.

When Corrocoat South Africa won a contract from HESS Equatorial Guinea Inc to refurbish five fine-filter vessels on Sendje-Ceiba FPSO (Floating Production Storage Offloading) Facility, they knew this was going to be a tough challenge. The facility is anchored 50km offshore in the South Atlantic where temperature, humidity, winds and rainfall can be unpredictable and excessive.

The contract involved making repairs to the vessel's internal lining then blast cleaning the externals to Sa 2½ before applying a coating system to an average dry film thickness of 700 µm. In order to guarantee the longest possible life expectancy in this highly corrosive environment, Plasmet ECP was first applied due to the high humidity conditions. This was followed by Corrocoat Zip-E for its long-term anti-corrosion performance and finally a polyurethane topcoat for aesthetic appeal and UV protection.

The work was completed ahead of schedule despite atrocious weather. Said Offshore Installation Manager Graham Collins: "Corrocoat did an excellent job in terms of product selection, application and performance. They finished four days ahead of schedule without compromising quality or safety. I would have no hesitation in using them again for our topside coating work."

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Exhibition Success for Corrocoat Technology

Corrocoat USA's Expertise Wins Prestigious Contracts

Corrocoat's ability to supply products and services which provide solutions for customers' water and waste water treatment applications has been demonstrated again by Corrocoat USA.





Clay County Utility Authority provides a water, wastewater, and reclaimed water utility service to customers in North East Florida. In an on-going tank refurbishment project, a 15,000 gallon wastewater tank, designed by BCR Environmental and manufactured by Miami Filter has been coated internally with 1000 microns of Polyglass VEF.

Previously, tanks coated with competitor's products had been subject to premature failures but the success of Polyglass VEF and Corrocoat USA's exceptional quality of work was recognised when BCR advised that Corrocoat will be specified for all future tank coating work.

Pump Project for Malta



One of the pump components before refurbishment

One of our latest licensees – XN-TEQ Company of Malta has just completed the refurbishment and recoating of two large pump components for a local power station.

The renovation process involved grit blasting to SA 2½, applying Corroglass 600 series to a minimum dft of 1.5 mm and then finally coating with Fluiglide to improve pump efficiency.

XN-TEQ is growing in its knowledge of Corrocoat products and their advantages and has quickly become a strong advocate for our technologies as we expand throughout Europe.



The components after refurbishment

CORROCOAT INDONESIA REINFORCES ITS POSITION

Over the last 25 years, Corrocoat Indonesia, has built up a reputation for providing a quality service for refurbishing pump housings and as a result they have been awarded two major new contracts.



Oil and gas specialist Total has just awarded them a two-year contract to refurbish multi-stage oil and sea water pumps at its refinery at Balikpapan, Borneo. In addition, Timah, the state-run tin mining company and operator of 20 seagoing dredgers has just extended its contract to recondition centrifugal sea water pumps by a further year.

Finally, the Corrocoat Indonesia team have just completed a contract to recoat the internals of five Nash vacuum filtration pumps for the paper industry, the largest being a 9-ton pump with a 1280mm diameter rotor. By using Plasmet HTE/EP1 and Fluiglide E, a long and trouble-free service life is guaranteed.

Polyglass VEF Achieves WRAS Recertification

WRAS®
Water Regulations Advisory Scheme

Polyglass VEF has passed a number of tests to receive the water supply industry's acclaimed WRAS (Water Regulatons Advisory Scheme) accreditation and is therefore now approved as being suitable for use in contact with potable water.

Graham Greenwood-Sole, Managing Director at Corrocoat said: "We are delighted to have secured this prestigious accreditation, which will promote and strengthen our relationships with the water supply industry. While we already conform to ISO9001 standards as well as holding product approvals from many other key industries, this endorsement is an added reassurance of the exceptional products we provide."

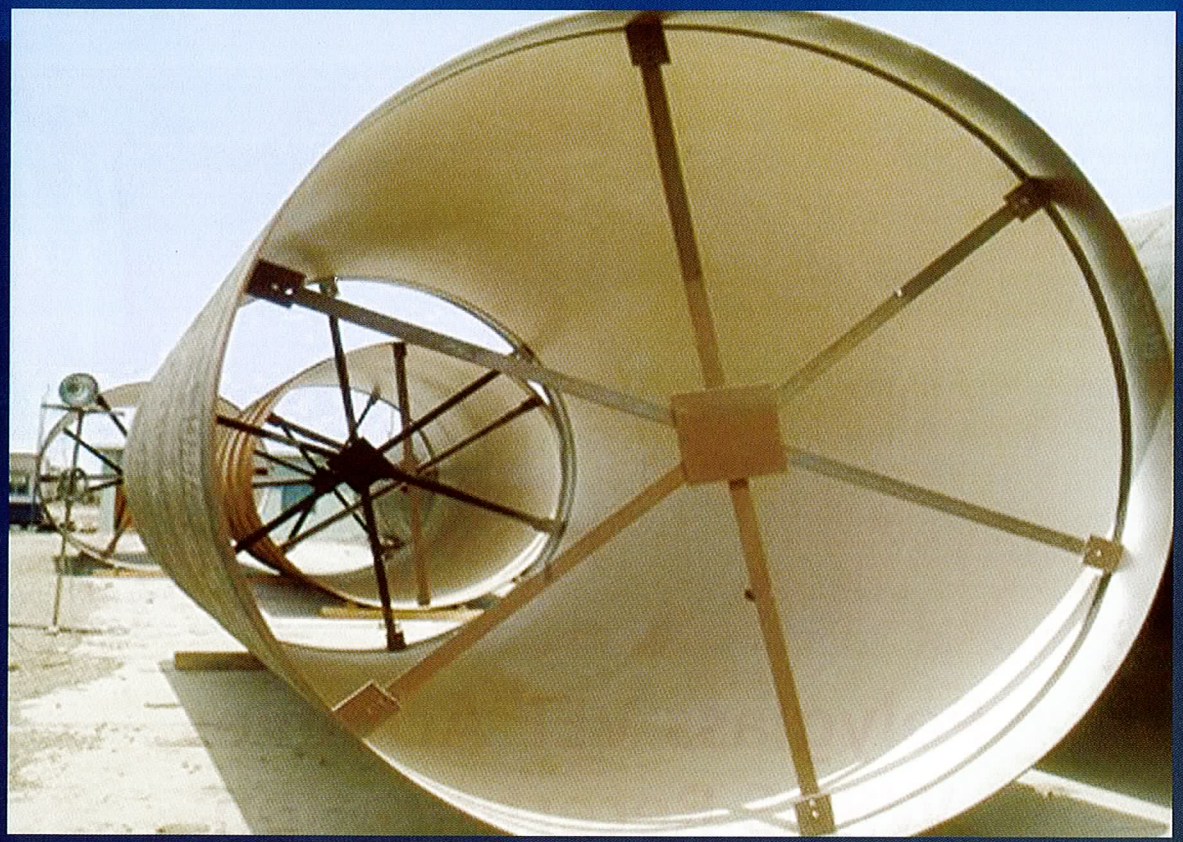
FIRST SHOWING FOR CORROCOAT SINGAPORE

One of our latest licensees, Corrocoat Singapore will be exhibiting for the first time at the OSEA 2010 exhibition to be held in Singapore between 30th November and 3rd December.

This exhibition is an important event for the oil & gas industry in South East Asia and will be an ideal opportunity to re introduce Corrocoat to this thriving market.

OSEA2010
The 18th International Oil & Gas Industry Exhibition & Conference
SINCE 1976

MAJOR CONTRACTS FOR KCPL



Kirloskar Corrocoat Private Ltd (KCPL) has just won a number of major new contracts; their expertise, infrastructure mobilization skills and proven Corrocoat products proving to be deciding factors in clinching these orders.

The ESSAR Group is one of India's largest businesses with interests in steel, power, shipping, construction, oil & gas and telecommunications. One of its companies, **Essar Power** is currently setting up a power plant at Gujarat.

Under a new £2.5 million contract the seawater cooling water pipeline is to be protected by Corrosion products and expertise. KCPL has successfully completed a first phase for the internal lining of 3.6m, 3.2m & 2m diameter pipes using our well proven Polyglass 100 glass flake filled coating system. The approximate area coated was 23,000 m^2.

Essar Construction has also entrusted KCPL with a larger order for coating, on site, the internals of 48,000 m^2. of 1.2m, 1.9m & 2m diameter seawater pipes.

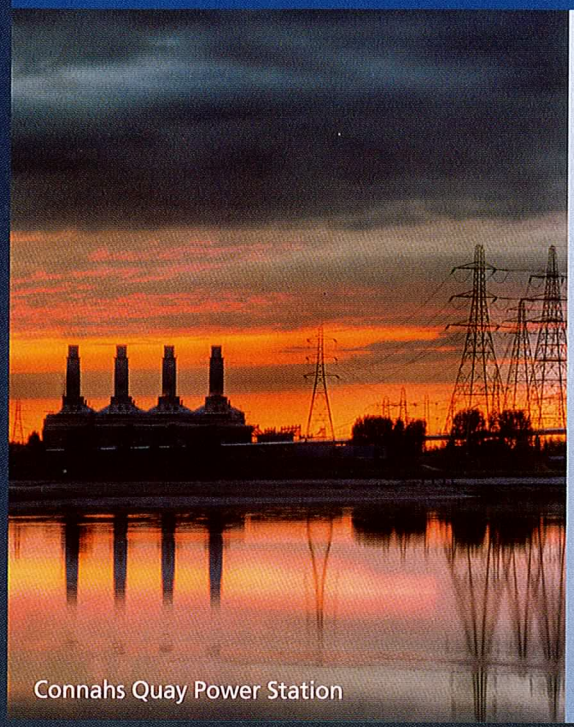
KCPL has also secured its first EPC contract for pipe internal and external Corrocoating from **Lanco Infratech** for its seawater intake pipeline. The project will be executed at Udipi Power Corporation's power plant site at Karnataka. The Project valued at £900k is for coating 5.7 km of 1.2m diameter pipe both internally and externally with Polyglass 100. KPCL was able to cite an 18-year proven track record of Polyglass 100 in seawater applications in India as a supporting factor in winning the contract.

KCPL is also providing the protection for the concrete surfaces of the forebay and channels to the CW pump house. Plasmet ECP will be used as a primer followed by one coat of Plasmet ZE.



THE GLOBAL VIEW

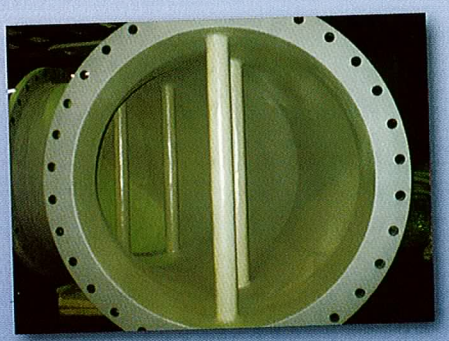
E.ON MAINTENANCE CONTRACT AWARDED


Connahs Quay Power Station

E.ON UK has awarded Corrocoat a 5-year contract for all coating related work at Connah's Quay Power Station. The facility is the UK's largest combined-cycle gas turbine power station, featuring four single shaft units, each with a 345MW capacity - enough to power half of the domestic power for Wales.

The scope of the contract includes the application of coatings on outages and refurbishment of valves, pipework and pumps. The work will be carried out on-site at Connah's Quay and in our Leeds facility. Corrocoat won the new contract in fierce competition, where price, experience, environmental matters and health and safety records were important factors.

"We are delighted to have won this contract says Rob Cole. The coating work we carry out for E.ON is challenging, and this contract demonstrates that our advanced anti-corrosion products and expertise is highly valued by leaders in the power generation industry".



Corrocoat Grows Its International Footprint



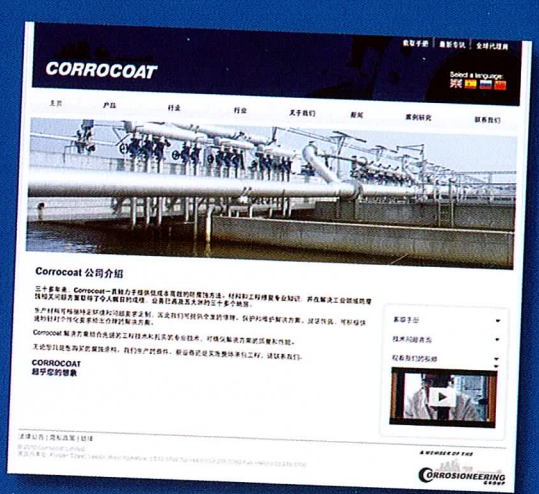
Building on our continuing success in international markets, our new offices in The Philipines, Oman and Kuwait are now fully open.

Said Sales & Business Development Director, Rob Cole : "With trained personnel, the backing of our UK based technical department, a comprehensive range of Corrocoat products in stock and a fully equipped workshop, we are committed to creating strong, sustainable businesses that will deliver exceptional solutions and services to our global clients and compete more effectively for business in these thriving economies."

Website now in Russian, Spanish & Chinese.

We have now updated our website to include three additional languages- Russian, Spanish and Mandarin.

This will help us to raise our profile through more meaningful engagement with customers and potential customers in these countries where language can be a problem and further demonstrates our commitment to bringing the world's best anti-corrosion technology to a global audience. We encourage all of our customers and friends to check the site frequently for updated information.



CORROCOAT NEWS

We are pleased to announce the launch of a number of specially developed products designed to deliver high performance in critical conditions.

Flarestack Nano

This single pack, aluminium flake-filled silicon coating provides excellent corrosion protection to non-immersed metal surfaces from ambient temperature up to 600°C and in thermal cycling conditions. Primarily designed for corrosion protection on flare stacks and other high temperature atmospheric service applications, it can also be used as an under-insulation corrosion barrier, to prevent problems associated with CUI.

Polyglass WCP

Designed for use as a primer on concrete surfaces where moisture levels are approaching the saturation point of concrete.

Plasmet Masonry Guard

Colourless waterproofing and protection of stone, brick, cementitious, wood and other porous substrates. Protection from external water ingress and frost protection on the outside of buildings and similar structures.

For information on these new products please contact our Sales Department.

SLUG CATCHERS

'International Cooperation'



Clients
Cimtas - Turkey, Petrofac - Sharjah, BG Group - Tunisia

Application Date
2008 -2009

International Project
Corrocoat were specified by Petrofac in Sharjah, to apply Corrocoat's Polyglass system to 6 vessels with a total surface area of 2500 m², 4 large slug cathcher vessels (580 m² each) and 2 smaller surge vessels. The vessels were destined for instalation at the BG Group Hasdrabul site in Tunisia.The fabrication was carried out in Turkey by Cimtas, Corrocoat mobilised it's crew to the Cimtas yard in Turkey to carry out the coating application works.



Client : Coating Selection Criteria
The client was confident that the coating selected would stand up to the aggressive environment, after careful evaluation of the process conditions and consultation with Corrocoat's technical team. Corrocoat's Polyglass VEF, vinyl ester /acrylic glassflake coating system was selected for the best long term resistance to a mixed phase flow of Oil, gas, condensate with carbon dioxide and hydrogen sulphide.

Challenges
The project was carried out from January to May this gave application temperatures from freezing temperatures in January to 33°C in May, Polyglass VEF can be applied over a wide variation in temperatures this meant there was no distruption to the tight time frames in terms of application rates or cure times. Multiple mobilisations were required as each vessel neared completion of it's fabrication.



Certified Inspection
With the number of companies involved with the project from start up to finish and the strict quality control requirements, there were a lot of Coating and engineering Inspectors involved. Although Corrocoat has it's own NACE and ICORR certified coating inspectors any third party inspection is always welcome. Charles Burns, Corrocoat Project Manager commented, "with every one keen to start the project in the best possible way, and with this type of collaboration being a first for Cimtas and Corrocoat, plus the interests from Petrofac and BG Group it was truly an international management success and the confidence shown between the interested parties and Corrocoat allowed Corrocoat to to deliver its usual high quality job, finishing the project on time and to the customers satisfaction".

Conclusion
Corrocoat's Site team are available to mobilise anywhere in the world at short notice for individual projects or to assist the local Corrocoat operation. All project management, logistics, documentation and planning can be arranged from our Leeds office. Corrocoat certified inspectors are also available for third party inspection duties and surveys.

Exhibition Success for Corrocoat Technology

With the support of our partners and distributors, we have attended several major exhibitions around the world during the last few months.

Posidonia 2010
Corrocoat Hellas was pleased to host a stand at this, the world's largest shipping trade exhibition. (Pireaus, Greece 7-11 June) We saw great interest in our services and products from the 17,000+ trade visitors.

All Energy 2010
Aberdeen - May 19–20th 2010
UK's largest renewable energy exhibition and conference, and proved to be a true record-breaker. There was a great deal of interest in our products and we were able to establish important business connections.

Cippe
is held every March in Beijing and is the premier exhibition for petroleum and petrochemical industries in China. Corrocoat glass flake materials offer excellent chemical, temperature and erosion resistance, and are ideally suited for service in petrochemical and chemical plants. Our leadership in this market resulted in a very successful exhibition and we will exploit the interest generated to further expand our growth in the Chinese market.

Corrocoat – Leading the Field

Established in 1975, Corrocoat is one of the world's leading names in anti-corrosion technology, with over thirty years of experience in the development, manufacture and application of high performance corrosion-resistant coatings.

Based in the UK, Corrocoat operates across five continents from more than thirty locations worldwide. In addition, the company exports its coatings to users across the globe, offering long term solutions to corrosion problems.

Corrocoat's propriety high technology coating systems are backed up by advanced levels of technical expertise and proven performance attainments. Sustained investment in R&D and the design and testing of new methods and materials keeps Corrocoat at the leading edge, and gives the company the necessary flexibility of approach to combat the many different corrosion problems faced by modern industry.

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