

CASE STUDY



CUSTOMER

Wood plc

SECTOR

Oil & Gas

SERVICE

Generators

Equatorial Guinea Generator Inspection

Houghton International was asked to inspect three Kato generators on an offshore platform off the coast of Equatorial Guinea, following reports of low Polarisation Index (PI) figures. The work had to be completed in situ due to the size of the generators so members of the site services team travelled to the site to work offshore for four weeks.

WHY HOUGHTON INTERNATIONAL?

- An experienced site services team capable of working offshore
- A cost effective proposal was put forwards with a guaranteed quicker turnaround time than competing proposals
- Comprehensive project management



THE SOLUTION

After the necessary visas had been organised, two members of Houghton International's fully qualified offshore team travelled to Equatorial Guinea to carry out the job. Our engineers reviewed the work to be carried out and agreed safety procedures with the Wood plc staff on site.

The generators were then isolated in order for initial inspections to be conducted, including initial PI tests to establish a baseline figure for comparison. Low PI test results can suggest the presence of contaminants, so the generators were cleaned using specialist equipment to remove any debris and contaminants from the windings. Tests were then performed to establish any additional causes of the low PI test results.

THE RESULT

The work was completed within the agreed time frame, and regular updates provided to the customer meaning that Wood plc was kept informed throughout the process. We ensured the job was cost effective for the customer by agreeing the scope of work and project plan in advance.

Our offshore team were able to conduct all the inspections and testing necessary and provide recommendations for any further action needed for the repair or maintenance of each generator.



I can confirm that Houghton International carried out Motor/Generator repairs in their own workshop and offshore for Wood Group UK as part of an open contract that began in June 2017. I can confirm the work was carried out in a timely and professional manner."

Gillian Leith, Subcontracts Specialist, Wood plc

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