



### Summary



<b>Industry:</b>	Marine
<b>Application:</b>	HV motor/generator inspection, protection testing
<b>Actual Saving:</b>	£
<b>Payback Period:</b>	



## Marine know-how secures health care maintenance work

### ISSUE

ERIKS Aberdeen Field Services were requested to mobilise a nine man team to carry out a three week "Health Care" maintenance task aboard an Oil & Gas Well Intervention vessel during a scheduled dry docking in The Netherlands.

### SOLUTION

The work which had previously been identified during a set of inspections while the vessel was in operation, consisted of HV Motor and Generator inspections and remedial work resulting from Partial Discharge Testing. Also, removal of one of the main generators and replacing with an ERIKS rewind spare.

In conjunction with the above, there was a need to carry out testing to all of the protection relays including those of the motors and generators. All relays were tested to ensure settings and operational parameters were within specification and adjusted as and if required. Air circuit breakers (ACB's) were removed and bench tested after being stripped, cleaned, electrically tested and function tested before being re-installed and final tests carried out.

All of the power transformers were tested for signs of discharge activity before being isolated to allow insulation resistance testing to commence. The earthing transformers were also rigorously tested, vacuum contactors were tested to ensure operational integrity as was all of the associated protection.

### OTHER BENEFITS

- Planned outage resulting from Electrical Condition Monitoring

### FURTHER COMMENTS...

All of the scheduled work was completed on time within budget and to the customers satisfaction.

### MORE INFORMATION

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