AMEA Services UK Completes Fire Damper System Repairs and System Upgrade

FULL CONDITIONAL SURVEY CARRIED OUT

Issues and plan for remedial works highlighted and forwarded to client.

NEW CONTROLS FITTED

Control for one damper could not be found so complete new controls were installed.

ADDITIONAL INDICATION INSTALLED

New indicators fitted within engine control room.

FAULTY INDICATION ON BRIDGE REPAIRED

Faults located to failed diodes within lamptest module.

FULL QA PACKAGE HANDED OVER ON COMPLETION

Drawings and cable test sheets provided.

Introduction

A client had an issue with their fire damper operation within their engine room and lazarette areas.

A number of intake and extract variable speed drive driven fans were not operating the dampers when instructed to do so. There was also no remote indication of damper position within the ECR.

Bridge indication had failed showing continually that dampers were permanently open, regardless of position.

Solution

- Full survey conducted into damper operational issues.
- Some were replaced with replacements sourced and delivered to site. One damper required a replacement thermal fuse only.
- Replacement controls fitted for one damper where it could not be ascertained where control was derived from.
- Additional damper indication fitted within ECR. This involved new cabling being installed and the use of MCT Bratttberg class approved penetrations.
- Bridge indication repaired. With fault located to short circuited diode within lamp test circuit.

AMEA
ADVANCE MARINE ELECTRICAL AND AUTOMATION SERVICES

Unit 107 Summers Road,
Brunswick Business Park,
Liverpool,
United Kingdom,
L3 4BL