

# Case study 723

## Andrews provide ventilation hire to assist with ship renovation

When one of the most famous names in British shipbuilding during the nineteenth and twentieth centuries had plans of renovating an old navy ship, Andrews Ventilation Hire were drafted in to provide them with specialist equipment.

The company in question were in the process of renovating an old marine vessel into a large container ship, which involved taking out a majority of the ship's steel and welding the structure back together to ensure it was watertight.

As a result of the specialist welding equipment being used in the confined space, various toxic fumes were being produced with no point of exit. Failure to address this issue would have led to those on site being exposed to the hazardous working conditions. An effective ventilation hire package was therefore necessary to remove contaminated air from the application and instil a safe working environment.

Following a site survey conducted by our experts, ten FV900 S2 ventilation fans were recommended and deployed, along with additional ducting for each fan. These units were used to take the polluted air out of the hull and push the fumes over the edge of the ship into open air and away from workers.

By supplying our temporary extraction equipment, all harmful fumes were successfully removed and replaced with fresh clean air which guaranteed much safer surroundings for those operating on site.



Air flow (max) 19,000 m<sup>3</sup>/h  
Power supply 415 V 3 ph 50 Hz  
Plug type BS4343 3 ph 5 pin 16 A  
Generator size 35 kVA  
Duct length (max) 40 metres  
Duct size Inlet 600mm Outlet 450mm  
Noise level (max) 74 dBA @ 1m  
Weight 465kg  
Dimensions (mm) 1,552 x 1,152 x 1,965  
Control Manual  
Average power consumption 7.1 kW/h



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