

CASE STUDY

SHOT BLASTING



DESTROYER MANUFACTURER DEFEATS BLASTING AND PAINT DUST WITH FARR GOLD SERIES®

Product Information

Product	Farr Gold Series® Dust and Fume Collector
Model	Four Model GS36 Units
Application	Shot Blasting
Customer	ASC Pty Ltd — Osborne, South Australia
Date of Installation	April 2012

Challenge

ASC (formerly the Australian Submarine Corporation) was awarded a contract to build three Air Warfare Destroyers at their Osborne SA location. The manufacturing process of the ships consisted of individual sections called blocks. Each block can be up to 15 m long, 15 m wide, 10 m high and weigh up to 400 tons. Each block requires blasting, painting and paint curing.

The project presented several challenges as it is a new and unique innovation requiring design and engineering experience across all three facets of the project. With two buildings constructed within a close radius of each other, the requirement of a dust collection system needed to be installed within the expedited deadline of the contract.



An Air Warfare Destroyer in its final stage.



Each ship is manufactured in single “blocks” before completion.

Solution

Oliver Technologies was awarded the contract to install the ventilation system that included a dust collection system that was capable of accommodating all three combined processes.

Oliver Technologies began installation of a ventilation system that could operate in various modes and cycles to accommodate the abrasive blasting, spray painting and paint curing operation located in each building. Working with Camfil APC Australia to address dust collection, it was decided that the exhaust fans would recirculate the air and utilize two Farr Gold Series GS36 dust collectors per building to remove the dust particulate. The GS36 dust collectors, equipped with explosion vents, were expedited to arrive within the narrow time frame of the contract.

Oliver Technologies completed and commissioned the project to the standards and specification required by ASC within the required time frame and budgetary requirements.



Four Farr Gold Series dust collectors with explosion vents are located between the two temporary buildings with no interference with surrounding equipment.

For further information regarding this application, contact Camfil APC Australia at +612-9648-5800.