

EX-HMAS SYDNEY DEPARTMENT OF DEFENCE

OVERVIEW

In June of 2017, the Department of Defence awarded Birdon the contract to disassemble and recycle ex-HMAS Sydney. The work included removal of dangerous goods and waste materials, removal of valuable materials for recycling, dismantling and secure deconstruction.

KEY POINTS

The project required careful planning with consideration for ITAR regulations as well as relevant state, federal and international. The work was undertaken in the following key phases:

Phase 1: Receipt of Ex HMAS Sydney at Common User Facility, Western Australia

- Prepare facility including buildings, equipment, tools, insurances for ship arrival.
- Take delivery of the vessel at Common User Facility, Western Australia and remove the vessel from the water before transporting to Birdon's disposal location at the CUF

Division	Disposals
Scope	Disassemble and Recycle Ex-HMAS Sydney
Client	Department of Defence
Location	Australian Marine Complex (AMC), Henderson, WA
Contract Value	\$5M
Project Duration	Jun 2017 - May 2018
Key equipment used	Excavator Mounted Hydraulic Shear, Skid Steer Loader

Phase 2: Preparation for Dismantling and Destruction

- Set up the work location for efficient sorting and storage of materials.
- Prepare disposal chutes within the ship.



KEY POINTS



Phase 3: Dangerous Goods and Waste Materials Removal

- Dangerous Goods are identified and removed. This includes waste items that require special handling.
- Non-metallic materials that are removed and recycled where possible. Items that are unable to be recycled are disposed of through licenced landfill facilities.

Phase 4: Valuable Metals Removal

- Recyclable non-ferrous metals will be removed and segregated for recycling.
- These are transported to Birdon's Australian recycling partners for destruction and recycling into new products.

Phase 5: Final Dismantling & Destruction

- The hull and superstructure will be broken down by cutting using excavator-mounted hydraulic shears.

Phase 6: Finalise Project

- Physical making good of the ship dismantling location.
- Finalisation of all documentation and reporting.
- Issue of the Certificate of Destruction to the Commonwealth



CONCLUSION

Birdon towed the 3000 tonne, guided missile frigate from Sydney's Harbour to Henderson, Western Australia to complete the disassembly and recycling process.

Completion of work in Henderson saw employment opportunities offered to twenty locals as well as additional subcontractors utilised throughout the project.

The success of this project is magnified because of Birdon's dedication to environmental protection and sustainability. The experienced management team worked closely with Australian recycling companies to ensure that 95% of metals from the ex-HMAS Sydney were recycled and reused in Australia.

Birdon ensured metals were recycled in Australia and used to manufacture new products in Australia. This approach ensured Birdon was able to accurately report the impact that the project has had on the Australian economy.