

Australian Marine Technologies



TEMPEST/ Emanations Security (EMSEC)

AMT has a well established niche design capability in the Naval Ship design domain in full compliance with the requirements of the Australian EMSEC Authority. AMT can provide TEMPEST Control Officer services to naval projects.



TEMPEST is an unclassified codeword for the study and exploitation of compromising emanations or signals which could act as carriers for classified information. EMSEC is the title for such activity, but it is more broadly known as TEMPEST.

AMT has provided EMSEC design services into Defence for a number of projects in the Communications, Electronic Warfare (EW) and Intelligence domains.

This includes the integration of systems and protection of 'sensitive' compartments of warships from potential EMSEC exploitation.



AMT's domain expertise in EMSEC enables it to define the EMSEC specific requirements at the earliest design stages so that their impacts can be scheduled into the project timeline and any risks minimised, addressing these EMSEC requirements from the beginning of the project. If a project does not consider EMSEC issues from the start, it is forced to retrofit work-a-rounds when the system fails its EMSEC testing.

AMT's knowledge and expertise has consistently led to its projects passing EMSEC testing at first attempt and ships being issued with their operating certificate for early availability of the capability to the Fleet.

AMT provides its services as EMSEC Control Officer (ECO) and our past submissions of EMSEC Control Plans (ECP) for EW projects have been acknowledged and well received by the National EMSEC authority. Mitigations included in AMT designs facilitate a more streamlined EMSEC test & trials process, saving the project time and money

.AMT has a demonstrated capability to produce EMSEC compliant designs from a staff of naval designers with the full range of technical disciplines. With a thorough awareness of EMSEC design requirements, AMT can not only produce effective compliant designs, but can also detail and document the requirements and impacts during the system definition phase of its System Engineering process.

AMT will help your project take the risk and complexity out of providing an EMSEC compliant solution.