


Portfolio

CLIENT	SMITHS DETECTION
PROJECT	Design/Development
PRODUCT	Audio Alarm Module
	ENGINEERING
	DESIGN
	DEVELOPMENT
	CONSULTANCY
	MANUFACTURE

Smiths Detection heritage in the military sector goes back to World War II. Their long-term partnership with the military has provided leading edge insight into the requirements of military personnel and the application of smart science on the battlefield.

AN ALARMING INDICATION OF CHEMICAL ATTACK!

The threat posed by chemical weapons radically affects operations on land, sea and air. The ability to detect and monitor chemical (CW) agents in the event of an attack is vital for the efficient use of military and civil defence resources.

Systems offering such detection capabilities need to be reliable, accurate and easy to use.

The Smiths Detection CAM™ Chemical Agent Monitor was the first mass produced, reliable hand-held instrument capable of detecting nerve or blister agents or liquid agent contamination.

It is now deployed in over 28 Armed Forces around the world.

The AAM Audio Alarm Module has been designed by PJB on behalf of Smiths Detection. Specifically for use with the CAM™ Chemical Agent Monitor it will give an indication, audible from more than 20m in high winds, of chemical detection by the CAM unit or if the CAM battery is low.

In designing the AAM, PJB used the latest CAD technology for the electronics, housing and connector seal. The AAM has been designed for use in arduous battlefield conditions and to comply with EMC requirements, but allowing batteries to be easily replaced in the field.



CONCEPTION TO PRODUCTION

