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Inside of the Armag modular A.R.C. vault shelter with its MPE Extended Performance TEMPEST power line filter installed on the back wall

External view of the Armag A.R.C. vault shelter

The Armag headquarters facility in Bardstown, Kentucky

Extended Performance filters for spy-proof shelters

In 2022 Armag Corporation of Bardstown, Kentucky, supplied multiple hardened modular shelters incorporating custom MPE Extended Performance TEMPEST power line filters for a major US Department of Defense (DoD) program.

Since 1969 Armag Corporation have manufactured and delivered thousands of such secure multipurpose modular units up to 5,000 sq ft floor area. They are utilised for wide-ranging defence, armoury, security and commercial applications across the USA and some 23 overseas territories.

Armag's flagship product is their spy-proof A.R.C. (Armored Rapid-Deployment Compartmented) vault, a Sensitive Compartmented Information Facility (SCIF) designed to meet or exceed ICD 705 and SAPF (Special Access Program Facility) specifications.

Material of construction of the A.R.C. vault is a continuously welded 1/4in steel that gives a significant level of TEMPEST, ballistic and forced entry protection. These highly versatile modular shelters are tailorable to a project's needs, offering external building space or an internal secure room within an existing building. The modular design facilitates rapid deployment and relocation, as well as reconfiguration for new missions.

For the project, MPE supplied custom 400A Extended Performance three-phase and neutral power line filters. These provide TEMPEST protection to NATO SDIP 29/1 and compliance to MIL-STD 461 & DEF STAN 59 411. With a proven record of excellence in safeguarding shielded rooms, IT hubs, datacentres and EMC test chambers, MPE's high-reliability Extended Performance filters were the clear choice for Armag's A.R.C. vaults, giving them optimum acoustic protection against espionage.

Then, above and beyond this, MPE's experienced design engineering team in Liverpool undertook all the customisation necessary to suit the particular operating conditions and constraints of these shelters. The filters needed, for example, to operate at 270/440V AC to maximise flexibility of operation in different locations.

So, following the successful completion of this contract, Armag and MPE are continuing to work together on several exciting new transportable shelter projects. For more information on Armag Corporation's A.R.C. vaults and their new patented modular shelter, email info@armagcorp.com or call +1 877 510 0087.

For details of MPE's world-leading TEMPEST filter products, check out https://www.mpe.co.uk/category/tempest/ or send an email to MPE's expert technical team at sales@mpe.co.uk

ARMAG A.R.C. VAULT®