



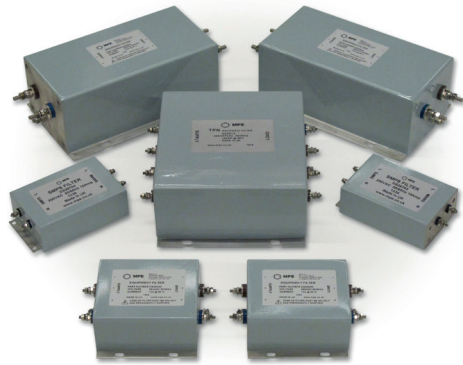
Company Bulletin

for EMC, EMP, HEMP & TEMPEST Protection

Issue 31



Prime contractor Kongsberg Defence & Aerospace's fully integrated FDC Command, Control, Communications and Computing (C4) system for air defence, shown here mounted on a transporter



MPE equipment filters filter incoming power and include AC and DC, single- and three-phase, and switched mode power supply (SMPS) variants

Protecting military shelters in Norway

Through Nordic Defence, its authorised distributor for Norway, MPE has been supplying quantities of equipment filters to protect shielded military shelters.

MPE has a long and proud history of supplying such high-performance equipment filters for applications around the world. These solutions for filtering incoming power span AC and DC, single- and three-phase, and switched mode power supply (SMPS) variants. Typical applications include equipment racks, vehicle platforms, and shielded rooms and shelters.

As well as its catalogue range of the more commonly requested equipment filter models, custom variants are routinely designed, manufactured and supplied. Along with Nordic Defence's well-established track record of supply and support, MPE's capability and appetite for customisation were the primary reasons why MPE was chosen as the provider for these mission-critical shelter applications for Norway.

Founded in 1976 and based at Nydalen in a borough of Oslo, Nordic Defence & Security A/S boasts more than 35 years' experience working with the armed forces and civilian authorities across Norway. Having both consultancy and solutions capabilities, the company offers the most advanced and cost-effective solutions for land, sea and air defence, fire and rescue, police, and civil aviation.

Dialogue with the prime contractor, Kongsberg Defence & Aerospace, was initiated in late 2018, with MPE completing presentations alongside Nordic Defence. Following a period of dialogue, MPE's equipment filter range was identified as a starting point for the development of a custom solution to meet the exacting requirements of Kongsberg's state-of-the-art Fire Distribution Centre (FDC) shelters.

Following development work at MPE and prototype testing, a custom low-leakage TEMPEST equipment filter was ultimately supplied. In addition to bespoke electrical performance, the end product included mechanical customisations such as integrated input and output connectors to meet Kongsberg's particular shelter design.

Production volumes of this high-performance TEMPEST protection solution have been supplied by MPE since 2020. The FDC, a fully integrated Command, Control, Communications and Computing (C4) system for managing air defence operations, is one of the most advanced integrated C4 systems ever delivered. It is now in service with, or under delivery to, 12 different countries.

For details of MPE's range of high-performance equipment filters, check out www.mpe.co.uk/category/equipment-filters. Alternatively, please contact the expert MPE technical team via +44 (0)151 632 9100 or sales@mpe.co.uk

Further information on Nordic Defence & Security A/S is available at www.nordicds.no or by emailing bhl@nordicds.no



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