



Company Bulletin

for EMC, EMP, HEMP & TEMPEST Protection

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MPE is proud to attain UL certifications

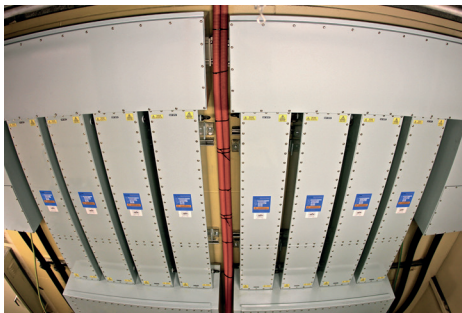
Recognised globally and trusted by clients in more than 100 countries, Underwriters Laboratories (UL), now UL Solutions, are leaders in applied safety science and security. Their product testing and certification to world standards are globally recognised indicators of product compliance, safety and quality assurance.



The world headquarters in Northbrook, Illinois, of the global safety science company UL

Most applicable for many of MPE's high-performance EMC and EMP filter products – particularly for clients based in the USA and Canada – are the UL 1283 and CSA C22.2 no.8 standards for EMI filters. Whilst MPE has always ensured that its filter designs are tested using the test methods defined in these standards and meet or exceed the relevant performance and/or safety criteria stipulated in them, prior to 2022 MPE had not sought independent certification to corroborate this.

Following its very significant business growth in the USA and as part of its continuous product development program, in the summer of 2022 MPE contracted with UL to undertake testing of its proprietary capacitors and EMP filter designs.



An array of high-current MPE HEMP filters with custom mountings incorporated into the RAF Fylingdales ballistic missile early warning system (BMEWS) in North Yorkshire

Work commenced with UL conducting a full review of MPE's bills-of-materials, drawings, relevant documentation and processes. On successful completion of this initial stage, capacitor samples were manufactured and submitted to UL's testing facility in Taiwan, whilst filter samples were manufactured and submitted to UL's testing facility in New Jersey, USA.

In Taiwan MPE capacitors underwent an extensive and rigorous testing program over a 12-week period. In New Jersey the experienced UL team fulfilled all necessary testing of filter samples, completed immediately before the 2022 Christmas break.

The successful conclusion of this testing now sees the proprietary capacitors manufactured by MPE certified as compliant with UL requirements and EMP filters produced by MPE certified as compliant with both UL 1283 and CSA C22.2 no.8 standards. Where required, the official UL certificates will be supplied by MPE.



Development testing underway within the laboratory facilities at MPE in Liverpool

Accordingly MPE's UL certifications are seals of approval universally recognised around the globe, reflecting the company's unwavering commitment to product safety and quality assurance.

In the coming months MPE plans to expand UL certification to its recently developed Mil-Std-188-125-1A filter ranges and also to its world-leading EMC filter ranges. So please watch this space!