



Company Bulletin

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The Hotel Vianen, Utrecht



John Hughes delivers his illustrated lecture at EMC-ESD 2023



The Accelonix exhibition stand at the EMC-ESD event

MPE delivers for Accelonix in Utrecht

On 21st November the Dutch EMC-ESD Association held its annual EMC-ESD Event at the Hotel Vianen in Utrecht, the fourth time it had taken place.

Since the European Programme for Critical Infrastructure Protection (EPCIP) led to the EU's Critical Entities Resilience (CER) Directive, all EU member states are required to adopt and publish the measures necessary to comply with the Directive by 17th October 2024. So this was the background to an expert presentation by MPE at the EMC-ESD Event on the technology to protect against the threat to national infrastructures posed by ElectroMagnetic Pulse (EMP).

The Engineering Director of MPE, John Hughes, delivered this illustrated lecture at Utrecht in support of MPE's Dutch distributors Accelonix, based less than 100km to the south at Eindhoven. Its title was: "HEMP Protection Design to Address Global HEMP/IEMI Market Requirements".

The presentation was to over 40 industry specialists and gave an overview of ElectroMagnetic Pulse (EMP), followed by an examination of the fundamental design principles of EMP filters and the market trends and drivers for EMP.

The presentation was extremely well received by the audience. John Hughes answered a series of informed questions on the specific parameters of the EMP pulses for which MPE design its solutions and on the materials best suited to the manufacture of inductor cores for EMP pulses, specifically how MPE selects these to prevent overheating in the course of normal operation.

In the main concourse, Matthijs Kronenburg and Luc de Bus of Accelonix were kept busy throughout the day with a steady stream of visitors to their exhibition stand, which displayed a broad selection of MPE power line filters, HEMP and IEMI filters, TEMPEST and control line filters, and feedthrough capacitors, alongside metrology equipment.

The download link is [here](#) to view the presentation on EMP by John Hughes on behalf of Accelonix at EMC-ESD 2023.

**EMC-ESD
Event 2023**

