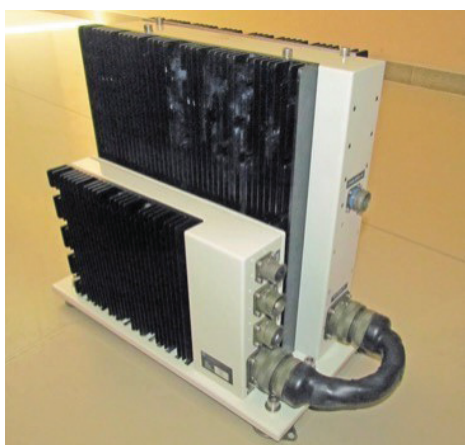


The anechoic EMC test chamber at Radiotechnika, Wrocław, Poland



Radiotechnika's high-reliability, stabilised power supply unit

Gold Partner

 **Radiotechnika**
marketing sp. z o.o.

Advanced EMC test chamber in Poland for vehicles

Operating in the city of Wrocław since 1947, MPE's Gold Partner for Poland, Radiotechnika Marketing, is one of Poland's oldest and most famous electronics manufacturers and distributors. Specialising in power supply and distribution systems for military vehicles, Radiotechnika is also Poland's no.1 military-grade cable harness and fibre optics supplier.

With a working relationship first established well over 15 years ago, Radiotechnika has grown into one of MPE's most established and knowledgeable territory distribution partners. This has resulted in many years of successful sales of MPE's extensive product portfolio, with sales volumes continuing to increase.

Alongside its niche defence products and distribution of MPE's EMC, EMP, HEMP and TEMPEST filters, Radiotechnika also offers a cutting-edge EMC testing capability to the Polish market. As on-vehicle systems become ever more sophisticated and complex in operation, demand has never been greater for totally dependable electromagnetic compatibility to ensure the immunity of equipment to electromagnetic interference and random spikes.

Opened in 2010 and validated by one of the leading laboratories in Europe – Seibersdorf Laboratories of Austria, Radiotechnika's facility boasts an impressive anechoic EMC test chamber measuring approximately 6m x 9m x 5.5m (20ft x 30ft x 18ft). The chamber's unique double screening system enables measurements of extremely high electromagnetic field energy levels across a frequency range from 10kHz to 40GHz, enabling radiated emission and susceptibility tests for civilian devices with a 3m test range and military devices with a 1m test range.

Incorporating a movable entry ramp, turntable and pneumatic antenna, the laboratory serves as a perfect facility for testing vehicles up to a maximum size of 2m (6.5ft) in height and diameter and 500kg (1100lb) in weight. Testing is completed to a wide range of military standards including MIL STD-461F, NO-06-A200, NO-06-A500 and civilian standards such as EN 55013, EN 55014, EN 55022, EN 55024 and EN 61000-6.

With MPE's world-leading EMC filters and feedthrough capacitors being integral to many solutions provided by Radiotechnika, this testing resource has been hugely important in validating performance levels and ensuring that MPE products have been built into numerous high-profile projects.

For example, the EMC test facility at Wrocław has been key to the selection of MPE feedthrough capacitors for use on Radiotechnika's high-reliability, stabilised power supply unit pictured on the left. This PSU was used for the thermal balancing of equipment on in-vehicle systems such as heating, ventilating and air conditioning (HVAC). In this case MPE's specialised filters needed to be tested and validated for their compliance with the emissions criteria laid down in MIL-STD-461F.

You can find comprehensive information about Radiotechnika Marketing and EMC at <http://radiotechnika.com.pl/en/emc-and-filters> and download a leaflet describing the company's EMC and environmental testing laboratory from [here](#).