

Shining a light on your systems and platforms

Malvern Optical is an independent research and development provider and test house in the electro-optic and electro-magnetic domains providing laboratory to platform scale assessments, and professional collaboration. We have many years of expertise in research and assessment activities, offering impartial technical intelligence, and advice to world-renowned clients in many sectors.

Our first-class facilities in Pershore, UK provide laboratory and outdoor range capabilities to enable a wide range of experimentation and field trials.

- ✓ **Testing and evaluation**
- ✓ **Research and development**
- ✓ **Consultancy and technical advice**

Get in touch

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Malvern Optical

Independent research and development provider and test house in electro-optic and electro-magnetic applications.





Independent providers of

Electro-Optics and Electro-Magnetics



Building the picture

Testing and evaluation

Malvern Optical has a wide range of on-site facilities to support test and evaluation activities on materials, systems and platforms in both the electro-optic and electromagnetic domains. As a UKAS accredited laboratory, Malvern Optical is well placed to offer impartial assessments to meet our customers' needs.

We are able to assist many clients with their system requirements and developing relevant test methodologies. Our capability can also be extended off-site, offering a truly flexible approach.



Engineering the solution

Research and development

Our team of scientists and engineers are involved in the development of novel materials and systems. We undertake contract research and prototype development, conducted over the whole of the electromagnetic spectrum, from the ultraviolet to radio frequency wavelengths, covering applications in both the civil and defence markets.



Sharing our expertise

Consultancy and technical advice

Malvern Optical's team of scientists and engineers are highly skilled specialists with many years of experience. We can provide professional support on an ad-hoc basis or fully integrated with the Customer team. We also have several associates who provide subject matter expert advice in related technical areas who we can work with to further enhance our capability.

Our services include



Testing and evaluation

Electro-optic materials and systems characterisation, electromagnetic environment testing (performance and safety), TEMPEST assessment, power quality, field trials including active/passive EO/IR, signature assessment and electromagnetic propagation.

Research and development

Electro-optic and RF devices, novel materials development, optical coatings, and advanced signature control techniques.

Consultancy and technical advice

EME platform and communications design, EO systems and materials, technology watch and horizon scanning, systems engineering, system requirements, test methodologies, detailed trials specifications.