

High Frequency Diagnostics & Engineering (HFDE) Ltd is a contracting and consultancy business that works in partnership with companies and universities to maximise the impact of R&D outputs by utilising them in new technologies and applications. HFDE has particular expertise in high frequency sensing and diagnosis of partial discharge (PD) activity in high voltage (HV) equipment.

HFDE's founder, Dr Martin Judd, is a Chartered Electrical & Electronic Engineer with 30 years' experience in both industry (R&D, production) and academia (research, teaching, management). Martin was previously Professor of High Voltage Technologies at the University of Strathclyde in Glasgow, where he managed the David Tedford High Voltage Laboratory.

Services that HFDE can provide to electrical utility companies, manufacturers and industrial owner/operators of HV electrical plant include:

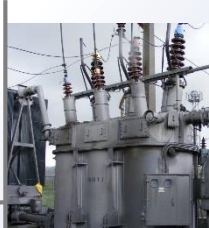
- Technical consultancy on PD diagnostics & measurement
- On-site transformer testing using UHF partial discharge detection & monitoring technology
- Locating & diagnosing PD in power transformers
- Evaluation and optimisation of HV partial discharge test & measurement installations
- Diagnosis of insulation failure incidents
- Independent evaluation of third-party PD test results
- Provision of specialist training on PD phenomena and measurement practice

HFDE Ltd maintains high levels of professional integrity and aims to build open and effective working relationships with its clients. Confidentiality is assured through the founder's previous experience of working with commercially sensitive information and managing intellectual property (IP).

To discuss potential projects without obligation, please email Martin Judd at the address below.

Testimonials can be provided on request.

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