



## PD Shielding

### Faraday Cage for Partial Discharge (PD) Testing



Albatross Projects Faraday Cages provide a controlled, electromagnetically shielded environment for accurate Partial Discharge (PD) testing in high-voltage applications. Designed to block external interference from EMI, radio frequencies, switching activity, and grounding disturbances, they ensure ultra-low-level PD signals are captured with precision. By improving signal clarity and measurement reliability, our shielding systems support advanced diagnostics for transformers, bushings, CTs, PTs, GIS, cables, and rotating machines. Engineered for modern HV and EHV laboratories, Albatross Projects solutions help meet IEC 60270 requirements while delivering consistent, repeatable testing performance.

Backed by Albatross Projects' expertise in large-scale shielding systems, each solution is tailored to meet project-specific testing and facility requirements.

### Key features

- High-performance EMI/RFI shielding to eliminate external interference
- Engineered for ultra-low-level PD signal detection
- Enhanced signal-to-noise ratio (SNR) for improved measurement clarity
- Modular and customizable design for various test object sizes
- Integrated solution including shielding, doors, and penetrations
- Designed for large-scale industrial PD testing environments
- Supports integration with cranes and heavy equipment handling

### Performance Characteristics

- High attenuation of ambient electromagnetic noise
- Stable, ultra-low noise testing environment
- Accurate low-level PD signal detection
- Repeatable and reliable test conditions
- Supports defect localization and trend analysis
- Suitable for HV and EHV applications
- Optimized grounding design to minimize noise coupling
- Compatible with all standard PD measurement systems
- Designed to meet IEC 60270 testing requirements