

Ultra Early Partial Discharge Diagnostic System



www.harbortech.com.tw



Industry-leading AI Technology:

· Dynamic AI background noise reduction

 $\cdot\,$ Dynamic AI PRPD Recognition and Analysis

Introducing the Power Guard - an advanced system for ultra-early detection and monitoring of partial discharge. This innovative system incorporates digital broadband electromagnetic wave sensors, setting a new standard in early detection technology. Paired with cutting-edge AI dynamic noise reduction and real-time AI-based PRPD (Phase Resolved Partial Discharge) feature recognition, it minimizes false alarms and swiftly identifies partial discharge in its infancy. Not only does it pinpoint the type and severity of the discharge, but it also empowers operators to take immediate action, ensuring the prolonged and stable operation of high-voltage electrical equipment.



🕜 Harbor

Harbor Technology Solutions Co., Ltd.

皓博科技股份有限公司

System Architecture:

The "Digital broadband electromagnetic wave sensors" are connected to the high performance host with up to 100 meters network cable. This setup efficiently minimizes noise signals through Al background noise reduction technology and offers real-time Al-based PRPD (Phase Resolved Partial Discharge) feature recognition. Furthermore, the PRPD status and warning messages can be seamlessly transmitted to the Central Control Room via networking.

T: +886-2-25183375 M: sales@harbortech.com.tw

Headquarters: 20F.-3, No. 508, Sec. 5, Zhongxiao E. Rd., Xinyi Dist., Taipei City , Taiwan Factory: 3F.-8, No. 14, Xiwei St., Sanchong Dist., New Taipei City , Taiwan