



PDMS-S

Partial Discharge Monitoring System
- Switchgear



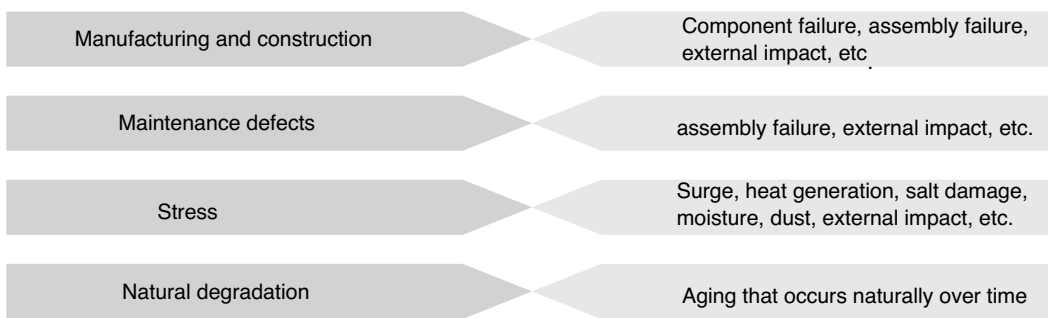
Power Diagnosis Solution

Partial Discharge Monitoring System PDMS-S

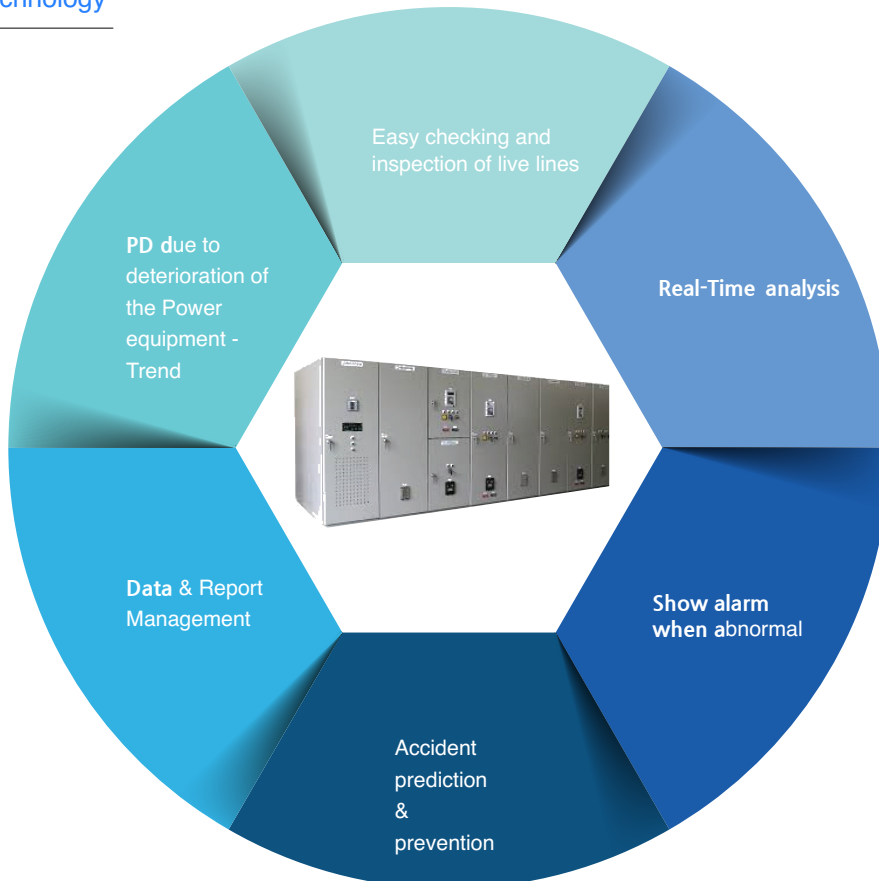
Partial Discharge Monitoring System - Switchgear

It is installed on the switchboard and used to detect and measure the electromagnetic waves radiated during partial discharge due to deterioration of the internal power equipment (TR, MOF, Cable, etc.) of the switchboard and poor contact. The purpose of this system is to prevent accidents by monitoring online while electricity is alive.

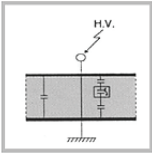
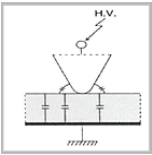
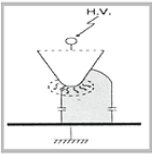
Major Cause



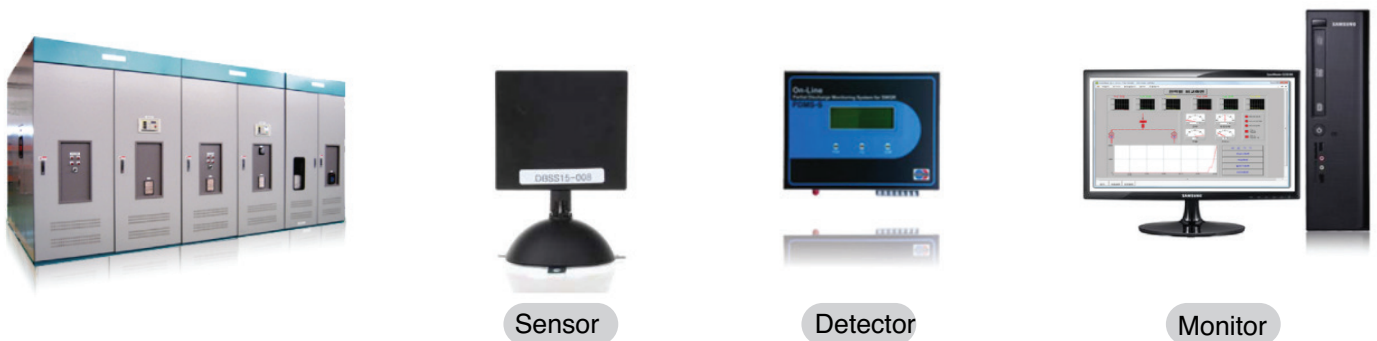
New Conceptual Technology



Partial Discharge?

Type	Form	Applicable equipment
Internal discharge		<ul style="list-style-type: none"> • Mold(TR, CT, PT) • Cable termination • Mold Interlayer short circuit
Surface discharge		<ul style="list-style-type: none"> • BUS , Insulator • LA, SA Insulator • Mold Surface
Corona Arc		<ul style="list-style-type: none"> • BUS, Cable termination • CB, DS • Mold TR TAP, DS, COS

PDMS-S System configuration



Specifications

Name	Category	Specification
Sensor	<ul style="list-style-type: none"> - Frequency Range - Type - Impedance 	<ul style="list-style-type: none"> - 500~1500 Mhz - Stand Alone - 50 Ω
Local Unit	<ul style="list-style-type: none"> - RF Bandwidth - Impedanc - Protocol - Communication - Operating power 	<ul style="list-style-type: none"> - 500~1500 Mhz - 50 Ω - ModBus - RS-485 and TCP/IP - AC 110~220V (10W)
	<ul style="list-style-type: none"> - Display 	<ul style="list-style-type: none"> - Text LCD (20×4) Green - LED 3 EA (PW:Green, PD:Yellow, COM:Green)



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