APPLICATION
The aging of stator windings in generators and electric motors are resulting in an increase in partial discharge (Particle discharge) by a deterioration of the insulating process. If there is no maintenance or repair performed on time it can result in damage or failure of the generator or electric motor.

University studies illustrate the relationship between the partial discharge and the development of ozone. It turns out there is a clear correlation in partial discharge and concentrations of ozone. With a partial discharge, a concentration of ozone was measured. The ozone was the cause of the damage to the motor or generator as a result of accelerated corrosion.

CONSISTENCY OF PARTIAL DISCHARGE AND OZONE

COST EFFECTIVE MONITORING OF PARTIAL DISCHARGE (PD)

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SAVE COSTS WITH AN OZONE MONITOR
In general, partial discharge monitoring is used. Because these monitors are expensive to purchase and in use, only the most expensive generators will be equipped with these monitors. Still keeping the risk of damage on the less expensive generators. The ozone monitor detects partial discharges real-time in a cost effective manner. By measuring ozone timely, actions can be taken to avoid failure and downtime. By reading and following the trend of these monitoring, maintenance can be planned before it results in damage due to high partial discharge.

BENEFITS OF THE SERIES 930 OZONE MONITOR

Flexible
Flexible use through various settings and different outputs digital and/or analog. Sampling by hose supply with integrated pump on the Series 930

Real-time data & alarms
Real-time measurement data and easy to configure alarm and control outputs via PC software for your PC, tablet and mobile phone.

Configurable alerts
(Trend watching, limit exceedance)

Multiple generators equipped
Ozone monitors are cost effective compared to PD monitors allowing multiple generators to be equipped within the same budget.

Quality monitor
Sensor built-in a water-resistant and tamper proof housing with ease of installation.

Multiple generators secured within the same budget as one PD monitor